May 2025

DRAFT SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT

Río Puerto Nuevo Flood Control Project
San Juan, Puerto Rico

APPENDIX D:
FIELD REPORTS

U.S. Army Corps
of Engineers
Caribbean District

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Field Reports
Río Puerto Nuevo Flood Control Project
San Juan, Puerto Rico
April 2025

Wetland Jurisdictional Determination Delineation	**4**
Final Phase I Environmental Site Assessment	**118**
Final Phase II Baseline Environmental Assessment Report	**322**
Sediment Characterization, Testing and Analysis of the Rio Piedras River Channel- MPRSA Section 103 Testing	**1462**

Wetland Jurisdictional Determination Delineation and Flora and Fauna Report for Two Material Re-Handling/Placement Areas- Bechara Industrial Area and Luis Munoz Marin Park Rio Puerto Nuevo, Puerto Rico BPA W912EP21A0004, BPA Call W912EP23F0096

Prepared for:

William (Shane) Smith/Biologist & COR
United States Army Corps of Engineers, SAJ
Environmental Branch
Water Quality & Compliance Section
William.S.Smith@usace.army.mil

Prepared by:
Jim Surdick/Senior Scientist
Water & Air Research, Inc.
and
BJ Bukata/Senior Scientist
Jones Edmunds

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TABLE OF CONTENTS

Section		Page
1.0	INTRODUCTION	1
2.0	STUDY SITES	1
	2.1 LAND ENCUMBERANCES	1
3.0	METHODS	2
4.0	RESULTS AND DISCUSSION	2
	4.1 FLORA AND FAUNA	2
	4.1.1 RARE LISTED SPECIES	5
	4.2 WETLAND DELINEATIONS	14
	4.2.1 BECHARA WETLANDS	14
	4.2.2 LMMP WETLANDS	18
5.0	REFERENCES	20

LIST OF TABLES

Table		Page
1	The plant species documented at two material re-handling/placement areas- Bechara Industrial Area and Luis Munoz Marin Park, Rio Puerto Nuevo, Puerto Rico, June 1 through June 9, 2023.	8
2	The animal species documented at two material re-handling/placement areas- Bechara Industrial Area and Luis Munoz Marin Park, Rio Puerto Nuevo, Puerto Rico, June 1 through June 9, 2023.	12

LIST OF PHOTOGRAPHS

Photo		Page
1	An example of fill debris observed on the Bechara project site (6/2/23)	3
2	An example of one of approximately 14 recently bulldozed lines through the upland forest at the Bechara project site (6/2/23)	4
3	The freshwater marsh on the LMMP project site (6/8/23)	4
4	An adult Puerto Rican slider (*Trachemys stejnegeri*) observed in a wetland at the LMMP project site (6/8/23)	7
5	Photo of Bechara Wetland 1 taken in the northeast portion of the wetland	15
6	Debris fill deposited along the south edge of Bechara Wetland 1	15
7	A wetland soil profile in Bechara Wetland 1	16
8	A representative view of the vegetation and conditions within Bechara Wetland 2	17
9	A wetland soil profile from within Bechara Wetland 2	17
10	A representative view of LMMP Wetland 1	18
11	A wetland soil profile from within Bechara LMMP Wetland 1	18
12	The drop inlet drainage structure in the northwest portion of LMMP Wetland 1	19

1.0 INTRODUCTION

The U.S. Army Corps of Engineers, Jacksonville District (Jacksonville District) contracted Water & Air to provide 1) Wetland Jurisdictional Determination (JD) and Delineation Report 2) Flora and Fauna Survey 3) identify and determine if the proposed sites include jurisdictional wetland areas as defined under Section 404 of the Clean Water Act (CWA) at two material re-handling/placement areas- Bechara Industrial Area (Bechara) and Luis Munoz Marin Park (LMMP), Rio Puerto Nuevo, Puerto Rico. These two project sites may be used as part of a larger project to help alleviate flooding adjacent to Rio Puerto Neuvo and tributaries, Rio Piedras, several basins, and the Quebrada Dona Ana Channel.

2.0 STUDY SITES

The Bechara (Site A) project site is approximately 52.7 acres or 69.7 acres with the 100' buffer included (Figure 1). The northern portion of the site is bound by roadways including John Fitzgerald Kennedy Expressway and Marginal Kennedy, an industrial park with storage buildings, car dealership parking lot, and a water treatment plant. The southern portion of Bechara is adjacent to disturbed non-forested undeveloped land including a closed landfill. The southwestern portion of Bechara abuts a small portion of the Rio Puerto Nuevo (aka Canal Bechara). There is a gravel road that dissects the site from the northeast to the southwest that ends in an automobile junkyard/used car parts dealer Taller y Piezas Rosaly. There is a single-family residence within the project site boundary.

The LMMP (Site B) project site is approximately 12.4 acres or 20.1 acres with the 100' buffer included (Figure 1). The north and east portion of the site is bounded by large parking lots. There is a sports complex adjacent to the east project boundary and a music amphitheater to the west. A large, mowed area bounds the southeastern portion, and the Rio Piedras flows along the southwestern boundary. Within the LMMP project boundary are the remains of an amusement park including several small buildings, picnic pavilions, a defunct aerial cable-car ride, and fiberglass rock formation replicas.

Both sites are within the subtropical moist forest life zone portion of Puerto Rico (Brandeis et. al. 2007). They have very little topographic relief, and the elevation is less than 8m above sea-level. Although both sites contain "green space" within the greater San Juan metropolitan area neither is considered a Critical Wildlife Area identified by the Department of Natural and Environmental Resources Bureau of Fish and Wildlife Terrestrial Resources Division or identified as a protected area by the USGS (Figure 2).

2.1 LAND ENCUMBERANCES

The Water and Air Team was unable to find any regulatory permits, water quality certificates, conservation easements, evidence of prior mitigation or similar encumbrances on either project site property. The Team performed a desktop assessment to identify any known encumbrances on the two project parcels. The following databases were reviewed:

- REGRID – Property data and location intelligence company.
- Government of Puerto Rico Geodata Clearinghouse Home-Portal gis.pr.gov-Home
- Puerto Rico Department of Agriculture websites
- Centro de Recaudacion de Ingresos Municpales (CRIM) website. https://portal.crim360.com/crimpr/index.htm

The REGRID website does not perform or contain data that allows users to perform title searches or search for public records based on parcel ID#. The Government of Puerto Rico Geodata Clearinghouse website contains parcel data but does not have a database that can be queried for public records. A review of the Department of Agriculture websites found no indication that the agency was involved with property records. Lastly, CRIM is the department for which title records can be reviewed but they do not have records to query electronically. CRIM has an office for each municipality and after a phone conversation with representatives from the San Juan office it appears the Bechara property is currently owned by the Puerto Rico government. However, based on discussions with staff at the Puerto Rico Land Administration Office, any effort to document encumbrances is best handled by a title company or an attorney as it is a challenging (lack of digital archives) and lengthy process. Thus, based on a review of these websites, corresponding databases, and conversations with government representatives it could not be confirmed that the two government owned parcels (Bechara and LMMP) are free of encumbrances.

3.0 METHODS

From June 1 to June 9, 2023, two senior ecologists conducted pedestrian field surveys to delineate wetlands and document the flora and fauna present on the two project sites. Wetland flag points and other locations of interest (e.g., bird nests, invasive exotic infestations, etc.) were recorded using a global positioning system connected to an iPad operating the ESRI Field Maps app with the project area boundary overlaying recent aerial photography. The flora and fauna surveys were generally conducted during daylight hours. However, a nighttime wildlife survey was conducted during the evening (after sunset) on June 6, 2023, at Bechara. During the evening survey a Wildlife Acoustics Echo Meter Touch 2 Pro for iOS was used to help detect bat species. There was restricted gate access at LMMP, and this site could only be surveyed during the hours the park was open to the public (9am to 5pm Wednesday through Sunday). Weather during the field surveys was sunny and humid with temperatures in the low-90s°F with no rainfall during the entire survey period.

Prior to the field site visits a review of the existing natural resource data related to the proposed project was conducted. The desktop review included a review of National Wetland Inventory Maps, USGS Topographic Quadrangles, NRCS Soil Maps, Puerto Rico Natural Inventory lists, aerial photographs, post Hurricane Maria LIDAR, and the Information for Planning and Consultation (IPaC) of the United States Fish and Wildlife Service (USFWS). Figures 1 through 10 show some of the results from this effort.

4.0 RESULTS AND DISCUSSION

4.1 FLORA AND FAUNA

There were 85 plant species documented at the Bechara site of which 49 percent are native to Puerto Rico (Table 1). Approximately 32 percent of the plant species identified on the site are considered invasive exotic species (Rojas-Sandoval and Acevedo-Rodríguez 2014). The species documented along with the scientific name, common names in Spanish and English, and native status (Gann and Trejo-Torres 2023) can be found in Table 1. The upland habitat at Bechara is successional forest with many areas having received fill debris in the past (Photo 1). There is a series of 14 approximately 300m long recently bulldozed lines where the forest had been cleared, originating perpendicular to the gravel road that dissects the property and running southeast to

the project boundary (Photo 2). Typical upland plant species (see Table 1 for common names) at Bechara included the trees *Albizia procera*, *Leucaena leucocephala*, *Pithecellobium dulce*, *Roystonea borinquena*, *Senna siamea*, *Spathodea campanulata*, and *Terminalia catappa*, common sapling and shrub species included the dominant tree species along with *Ardisia elliptica*, *Guazuma ulmifolia, Mimosa pigra*, and *Muntingia calabura*. The groundcover layer consisted of mainly weedy species including *Commelina erecta*, *Pennisetum* (*Cenchrus*) *purpureum*, *Physalis angulata*, *Ricinus communis*, *Solanum torvum*, and *Sporobolus domingensis*. Vines in the upland habitat of Bechara were very abundant and some of the more common species included *Cissus verticillata*, *Epipremnum pinnatum*, *Momordica charantia*, *Passiflora foetida*, *Paullinia pinnata*, *Syngonium podophyllum*, *Trichostigma octandrum*, and *Vigna luteola*. Dominant plant species within the saltwater swamp wetlands located on Bechara included *Avicennia germinans*, *Laguncularia racemosa*, *Thespesia populnea*, and *Acrostichum danaeifolium*.

Photo 1. An example of fill debris observed on the Bechara project site (6/2/23).

Photo 2. An example of one of approximately 14 recently bulldozed lines through the upland forest at the Bechara project site (6/2/23).

Photo 3. The freshwater marsh on the LMMP project site (6/8/23).

There were 66 plant species documented at the LMMP site of which 35 percent are native to Puerto Rico (Table 1). Approximately 30 percent of the plant species identified on the site are considered invasive exotic species (Rojas-Sandoval and Acevedo-Rodríguez 2014). It was evident that many of the species identified in the uplands had originally been planted as ornamental species. Some of the more common species in the uplands at LMMP included *Albizia procera*, *Bambusa vulgaris*, *Pritchardia pacifica*, *Tabebuia heterophylla*, *Terminalia catappa*, *Heliconia psittacorum*, *Panicum* (*Megathyrsus) maximum*, and mowed grasses. The freshwater marsh wetland on LMMP contained few woody species (Photo 3) and dominant plants included *Acrostichum danaeifolium*, *Pennisetum* (*Cenchrus*) *purpureum, Salvinia auriculata*, *Thelypteris* (*Cyclosorus*) *interrupta*, and *Typha domingensis*.

Eight amphibian species were documented, seven within Bechara and four at LMMP (Table 2). At Bechara 57 percent of the documented amphibians are native to Puerto Rico and two of the four at LMMP are native. Among the two nonnative Ranids that were documented, bullfrogs (*Rana catesbeiana*) were only heard at LMMP, and pig frogs (*R. grylio*) were only heard at Bechara. It should be noted that one brief nighttime survey was conducted only at the Bechara site, and it did not rain during the survey period. Nighttime surveys during rain events would likely increase the number of amphibian species detected at the two project sites.

A total of 39 bird species were documented at the two project sites (Table 2). Of the 35 species identified at Bechara 86 percent are native, with five endemics. At LMMP 90 percent of the 21 bird species are native with two endemics. There was evidence (e.g., nest, adult carrying nesting material, adults feeding young, fledglings, etc.) that at least eight bird species were breeding at Bechara and four at LMMP (Table 2). Birds breeding on these sites may be protected under the Migratory Bird Treaty Act (MBTA). These flora and fauna surveys took place in June; thus, the utilization of these sites by temperate migrant bird species which would be present from approximately September to May, is largely unknown. If construction activities occur at these sites migratory bird monitoring may be required.

Only three mammal species were observed at the project sites (Table 2). A comprehensive survey for bat species would likely increase the number of mammals detected at the two sites.

Eight reptile species were documented, seven within Bechara and seven at LMMP (Table 2). The nonnative reptile species observed at both sites were the green iguana (*Iguana iguana*) and red-eared slider (*Trachemys scripta elegans*). Residents at Bechara and a groundskeeper at LMMP stated encountering the nonnative spectacled caiman (*Caiman crocodilus*) within or near the on-site wetlands, however no caimans were observed during the surveys. There is a documented sighting of a spectacled caiman on the Rio Piedras (iNaturalist 2022) which is hydrologically connected to both sites.

4.1.1 RARE LISTED SPECIES

No animal or plant species listed as threatened or endangered by the USFWS were observed within the project sites (Appendix A). The Puerto Rican Boa (*Chilabothrus inornatus*) a federally endangered reptile species, and Palo De Rosa (*Ottoschulzia rhodoxylon*) a federally threatened plant species, were identified in the USFWS IPAC report as potentially occurring within the study areas (Appendices B and C). The Puerto Rican Boa is a somewhat sedentary nocturnal species that can be difficult to detect during short duration surveys and there may be suitable

habitat remaining on the Bechara project site. Adult Puerto Rican boas are reported to eat primarily rats (USFWS 2021), which were abundant at Bechara. Additionally, residents reported seeing snakes on the Bechara project site, but it is not clear if the observations were Puerto Rican Boas. In northern Puerto Rico, Palo De Rosa is confined to conical limestone hills (aka "haystack hills" or mogotes) of the karst area from Aguadilla to Fajardo, and neither project site appeared to contain suitable habitat for this late successional species (USFWS 2007).

There were no plant species listed by the USFWS observed on the sites. There was one species listed by the Puerto Rico Department of Natural and Environmental Resources (PRDNER) as Endangered and that is also listed as Vulnerable on the IUCN Red List (Barrios and Hamilton 2018) observed on the Bechara site. Three low stature (approximately 3m high) *Sabal causiarum* were documented within the upland forest on the Bechara site (Figure 11). No other PRDNER listed plant species were observed on either site.

There were nine bird species documented within the project sites that are listed as Species of Greatest Conservation Need (SGCN) by the PRDNER with seven of these species with the sub listing of Data Deficient where the available information is inadequate to make a direct or indirect evaluation about the risk of extinction on the base of the species distribution and/or population condition (PRDNER 2015). The remaining two SGCN listed bird species observed were in the Low-Risk category. The SGCN listed bird species observed on the project sites included Antillean nighthawk, green-throated Carib, Puerto Rican oriole, Puerto Rican woodpecker, Puerto Rican flycatcher, white-crowned pigeon, cave swallow, Puerto Rican spindalis, and Puerto Rican kingbird (see Table 2 for scientific names). During the surveys among the SGCN listed birds, Puerto Rican oriole and Puerto Rican woodpecker were documented nesting at the Bechara site (Figure 11), and white-crowned pigeon were nesting at the LMMP site (Figure 12). Two bird species documented on the project sites are also listed on the Birds of Conservation Concern list, white-crowned pigeon and Puerto Rican oriole (USFWS 2021b).

The velvety free-tailed bat (*Molossus molossus*) was documented at the Bechara site and was the only mammal observed listed on the SGCN list (PRDNER 2015).

Puerto Rican slider (*Trachemys stejnegeri stejnegeri*) is the only SGCN listed reptile species that was observed (PRDNER 2015). This species is listed based on the hybridization potential with the introduced red-eared slider.

Photo 4. An adult Puerto Rican slider (*Trachemys stejnegeri*) observed in a wetland at the LMMP project site (6/8/23).

Table 1. The plant species documented at two material re-handling/placement areas- Bechara Industrial Area (Bechara) and Luis Munoz Marin Park (LMMP), Rio Puerto Nuevo, Puerto Rico, June 1 through June 9, 2023.

Bechara	LMMP			
X		*Abrus precatorius*	Ojo de cangrejo, Peronía / Crab's eyes, Jumbee bead, Wild licorice	Not Native, Invasive
X		*Acalypha indica*	Poiret's copperleaf	Not Native
X	X	*Acrostichum danaeifolium*	Helecho de pantano / Giant fern, Swamp fern	Native
	X	*Adiantum latifolium*	Broadleaf maidenhair	Native
	X	*Adonidia merrillii*	Manila palm	Not Native
X	X	*Albizia procera*	Albizia / Tall albizia, White siris	Not Native, Invasive
X		*Alocasia macrorrhizos*	Panamá / Giant alocasia	Not Native, Invasive
	X	*Alpinia purpurata*	Red ginger	Not Native, Invasive
	X	*Alpinia zerumbet*	Boca de dragón, Pimienta Angola / Shellflower, Shellplant	Not Native, Invasive
X		*Annona glabra*	Cayur, Corazón cimarrón, Corcho / Alligator-apple, Bunta dog-apple, Bunya, Corkwood, etc	Native
X		*Antigonon leptopus*	Bellísima, Bellosinia, Coral, Coralilo, Coralina / Lovechain	Not Native, Invasive
X	X	*Ardisia elliptica*	Shoebutton	Not Native, Invasive
	X	*Asparagus aethiopicus*	Cabellera de la Reina, Canastillo, Espárrago de jardín / Garden asparagus	Not Native, Naturalized
X		*Avicennia germinans*	Chifle de vaca, Mangle negro, Prieto, Salado, Siete cueros / Black mangrove etc	Native
	X	*Bambusa vulgaris*	Bambú, Bambúa, Mambúa / Bamboo	Not Native, Invasive
X		*Bidens alba var. radiata*	Margarita, Romerillo / Sheperd's needle	Native
X	X	*Bursera simaruba*	Almácigo / Gum tree, Gumbo limbo, Turpentine tree, West Indian birch	Native
X		Casearia guianensis	Cafeillo / Guyanese wild coffee, Wild coffee	Native
	X	*Calliandra surinamensis*	Caliandra de Surinam / Surinam caliandra, Surinamese stickpea	Not Native, Naturalized
	X	*Caryota mitis*	Burmese fishtail palm	Not Native
	X	*Cassia grandis*	Cañafistula cimarrona / Pinkshower	Not Native, Naturalized
	X	*Casuarina equisetifolia*	Casuarina, Pino, Pino australiano / Australian pine, Beefwood	Not Native, Invasive
	X	*Cecropia schreberiana*	Grayumo hembra, Guarumbo hembra, Yagrumo hembra / Trumpet tree, Trumpet wood	Native
X		*Cestrum diurnum*	Dama de día, Galán de día / Day cestrum	Native
	X	*Cheilocostus speciosus*	Canereed	Not Native, Naturalized
X		*Chloris barbata*	Horquetilla morada, Paraqüita / Mexican blue grass	Native
X		*Chloris sp.*		
X		*Cissus verticillata var. verticillata*	Bejuco de caro, Caro / Lambrali, Pinakoop, Pudding vine	Native
X		*Citharexylum spinosum*	Péndula colorada, Bálsamo, Palo de guitarra, Péndula, Susana / Fiddlewood, Susanna	Native
X		*Cleoserrata speciosa*	Volantines preciosos	Not Native, Naturalized
X		*Cocos nucifera*	Coco, Cocotero, Palma de coco / Coconut, Coconut palm	Not Native, Naturalized
X		*Colubrina arborescens*	Abejuelo, Aguaitarán, Catire, Guitarán, Mabí, Ratón, Sanguinaria / Coffee colubrina, etc	Native
	X	*Colubrina glandulosa var. antillana*	Glandular nakedwood	Native
X	X	*Colubrina sp.*		
X	X	*Commelina erecta*	Cohitre azul / Blue dayflower, Blue Frenchweed	Native
X		*Conocarpus erectus*	Botoncillo, Mangle bobo, Mangle botón / Buttonwood, Button tree, Button mangrove	Native
X		*Corchorus hirsutus*	Jack-switch, Malvavisco	Native

Table 1. The plant species documented at two material re-handling/placement areas- Bechara Industrial Area (Bechara) and Luis Munoz Marin Park (LMMP), Rio Puerto Nuevo, Puerto Rico, June 1 through June 9, 2023.

Bechara	LMMP			
	X	*Costus scaber*	Camarón	Not Native, Naturalized
X		*Cryptostegia madagascariensis*	Alamanda morada falsa, Bejuco de cuernos / Purple allamanda, Rubber vine etc	Not Native, Invasive
X		*Cuphea strigulosa*	Stiffhair waxweed	Native
X	X	*Cyperus involucratus*	Paragüita / Umbrella sedge	Not Native, Naturalized
	X	*Cyperus papyrus*	Papiro, Papyrus	Not Native, Cultivated Only
X	X	*Dactyloctenium aegyptium*	Yerba egipcia / Crowfoot grass, Goosefoot grass, Egyptian grass	Not Native, Invasive
X	X	*Delonix regia*	Flamboyán / Flamboyant, Flame tree, Royal poinciana	Not Native, Naturalized
X		*Digitaria sp.*		
X		*Dracaena fragrans*	Cocomacaco, Dracaena, Drecina / Dracena, Indian cane, Indian palm	Not Native, Cultivated Only
X		*Eleusine indica*	Grama de caballo, Matojo dulce, Pata de gallina, Piepul, Yerba dulce / Goose grass, etc	Not Native, Invasive
X		*Enterolobium cyclocarpum*	Dormilón, Guanacaste, Oreja de mono / Earpod tree, Monkey tree	Not Native, Naturalized
X		*Epipremnum pinnatum*	Centipede tonga vine	Not Native, Invasive
X		*Eugenia axillaris*	Grajo, Eugenia, Murta / Krumberry, Wattle, White stopper	Native
	X	Guarea guidonia	Guaraguao / Musk-wood	Native
X		*Guazuma ulmifolia*	Guácima / Bastard cedar, Jococalalu, West Indian elm	Native
X	X	*Gynerium sagittatum*	Caña brava, Caña cimarrona, Caña india / Uba grass, Wild cane	Native
	X	*Heliconia psittacorum*	Parakeetflower	Not Native, Naturalized
X		*Imperata cylindrica*	Cogon grass	Not Native
X	X	*Ixora coccinea*	jungle geranium	Not Native, Naturalized
	X	*Jasminum fluminense*	Jazmín de canario, Jazmín de trapo, Jazmín oloroso	Not Native, Invasive
	X	*Kalanchoe delagoensis*	Brujilla de jardín, Malá falsa / Chandelier plant	Not Native, Naturalized
X		*Laguncularia racemosa*	Mangle blanco, Mangle bobo / White mangrove	Native
	X	*Leea rubra*	West Indian holly	Not Native
X		*Leucaena leucocephala*	Acacia, Acacia pálida, Campeche, Hediondilla, Zarcilla / Tantan, Wild tamarind	Not Native, Invasive
X		*Ludwigia octovalvis*	Cangá, Yerba cangá, Yerba de clavo / Primrose yellow, Primrose willow	Native
X		*Luffa aegyptiaca*	Esponja, Estropajo, Pepinillo de esponja / Sponge cucumber, Vegetable sponge	Not Native, Naturalized
X	X	*Lygodium japonicum*	Japanese climbing fern	Not Native, Naturalized
X		*Macroptilium lathyroides*	Habichuela parada, Látiros de pasto / Wildbush bean	Native
X		*Malachra alceifolia*	Malva de caballo / Bastard okra	Native
	X	*Mangifera indica*	Mangó / Mango, Mango tree	Not Native, Invasive
	X	*Manilkara zapota*	Níspero, Sapodilla, Sapodillo	Not Native, Cultivated Only
X		*Melanthera nivea*	Salaíllo, Cariaquillo blanco, Yerba de cabra	Native
X		*Melinis minutiflora*	Yaraguá, Yerba melado / Molasses grass	Not Native, Invasive
X		*Melothria pendula*	Pepinito	Native
X		*Merremia umbellata*	Aguinaldo amarillo / Yellow morning-glory	Native
	X	*Microgramma lycopodioides*	Clubmoss snakefern	Native
X		*Mikania micrantha*	Guaco falso	Native

Table 1. The plant species documented at two material re-handling/placement areas- Bechara Industrial Area (Bechara) and Luis Munoz Marin Park (LMMP), Rio Puerto Nuevo, Puerto Rico, June 1 through June 9, 2023.

Bechara	LMMP			
X	X	*Mikania sp.*		
X	X	*Mimosa pigra*	Lollipop mimosa	Not Native, Invasive
X		*Momordica charantia*	Cundeamor / Wild balsam apple	Not Native, Invasive
X		*Monstera adansonii*	Adanson's monstera	Not Native, Cultivated Only
X		*Muntingia calabura*	Capulín / Panama berry	Not Native, Invasive
X	X	*Musa x paradisiaca*	Banana	Not Native
	X	*Nephrolepis biserrata*	Helecho de cola de pescado / Fishtail fern, Giant sword fern	Native
X		*Neptunia plena*	Desmanto amarillo / Water neptunia	Native
X	X	*Panicum (Megathyrsus) maximum*	Yerba de Guinea / Guinea grass	Not Native, Invasive
X		*Passiflora foetida var. foetida*	Flor de pasión silvestre, Taguatagua / Love-in-a-mist	Native
X	X	*Paullinia pinnata*	Bejuco de costilla, Bejuco de guajanilla, Bejuco de paloma, Juanillo	Native
X		*Peltophorum pterocarpum*	Flamboyán amarillo / Yellow flamboyant, Yellow poinciana	Not Native, Naturalized
X	X	*Pennisetum (Cenchrus) purpureum*	Elephant grass, Napier grass / Yerba elefante	Not Native, Invasive
	X	*Petiveria alliacea*	Anamú / Congo root, Garlic weed, Guinea hen weed, Gully root	Native
X		*Phyllanthus urinaria*	Chamber bitter	Not Native, Invasive
	X	*Phymatosorus grossus*	Monarch fern	Not Native, Naturalized
X		*Physalis angulata*	Alquequenje, Sacabuche / Groundcherry	Native
X		*Pisonia aculeata*	Escambrón, Uña de gato / Prickly mampoo	Native
X	X	*Pithecellobium dulce*	Guamá americano / Madras thorn, Manila tamarind	Not Native, Invasive
	X	*Pritchardia pacifica*	Fiji fan palm	Not Native
	X	*Pterocarpus indicus*	Terocarpo / Indian padauk / Burmese rosewood	Not Native, Naturalized
X		*Quisqualis indica*	Rangoon creeper	Not Native
X		*Rhizophora mangle*	Mangle, Mangle colorado, Mangle de chifle, Mangle zapatero / Mangrove, Red Mangrove	Native
X		*Ricinus communis*	Higuereta, Ricino / Castorbean, Castor-oil plant	Not Native, Invasive
X	X	*Roystonea borinquena*	Palma real, Palma real puertorriqueña / Puerto Rico royal palm	Native
X		*Sabal causiarum*	Palma de sombrero, Yarey / Hat palm, Hat palmetto, Straw-hat palm	Native, PR Endangered
	X	*Salvinia auriculata*	Eared watermoss	Not Native, Naturalized
X	X	*Sansevieria hyacinthoides*	Lengua de chucho, Lengua de vaca, Sansevieria, Sansiviera / Sweet sansevieria	Not Native, Invasive
X	X	*Schefflera actinophylla*	Umbrella tree	Not Native, Invasive
	X	*Scleria havanensis*	Whip nutrush	Native
X		*Senna siamea*	Casia amarilla, Casia siamea / Bombay blackwood, Siamese cassia, Siamese senna	Not Native, Invasive
X		*Solanum americanum*	Mata-gallina, Yerba mora / Black nightshade, Pop-bush	Native
X	X	*Solanum torvum*	Berenjena cimarrona / Turkey berry	Native
X	X	*Spathodea campanulata*	Meaíto, Tulipán africano / African tulip tree	Not Native, Invasive
X		*Sphagneticola trilobata*	Manzanilla, Manzanilla de playa, Margarita amarilla, Margarita de pasto, Romerillo	Not Native, Invasive
X	X	*Sporobolus domingensis*	Coral dropseed	Native
X		*Symphyotrichum subulatum*	annual saltmarsh aster	Native

Table 1. The plant species documented at two material re-handling/placement areas- Bechara Industrial Area (Bechara) and Luis Munoz Marin Park (LMMP), Rio Puerto Nuevo, Puerto Rico, June 1 through June 9, 2023.

Bechara	LMMP			
X		*Syngonium podophyllum*	Malanga trepadora / African evergreen, Arrow-head vine, Nephthytis	Not Native, Invasive
	X	*Tabebuia aurea*	Tree of gold	Not Native
X	X	*Tabebuia heterophylla*	Prieto, Roble, Roble blanco, Roble de costa, Roble prieto, Roble de yugo / White cedar	Native
	X	*Terminalia buceras*	Búcaro, Úcar / Black olive, Gre-gre, Gregory wood, Oxhorn bucida, Water gregre	Native
X	X	*Terminalia catappa*	Almendra, Almendro / Indian almond, Malabar almond, Tropical almond	Not Native, Invasive
	X	*Thelypteris (Cyclosorus) interrupta*	Willdenow's maiden fern	Native
	X	*Thespesia grandiflora*	Maga, Maga colorada / Maga wood	Native
X		*Thespesia populnea*	Caraña, Clamor, Frescura, Jaqueca, Majagüilla / Cork tree, Portiatree, Spanish cork	Not Native, Naturalized
	X	*Thunbergia grandiflora*	Fausto, Pompeya	Not Native, Invasive
	X	*Tillandsia recurvata*	Nidos de gungulén / Bunch moss	Native
	X	*Tradescantia zebrina*	Cohitre morado, Judío errante / Wandering jew	Not Native, Invasive
X		*Trichostigma octandrum*	Bejuco de nasa, Bejuco de palma, Bejuco de paloma / Basket wiss, Hoop vine	Native
	X	*Trimezia steyermarkii*	Martinique trimezia	Not Native, Naturalized
X	X	*Typha domingensis*	Aneas, Eneas, Yerba de Eneas / Cattail	Native
X	X	*Urochloa mutica*	Malojillo / Para grass	Not Native, Invasive
X	X	*Vigna luteola*	Frijol silvestre	Native

Common and Spanish names, and native status from Gann and Trejo-Torres 2023.

Invasive (An organism that grows or spreads aggressively in its new environment and causes environmental and/or economic harm) status from Rojas-Sandoval and Acevedo-Rodríguez 2014.

Table 2. The animal species documented at two material re-handling/placement areas- Bechara Industrial Area (Bechara) and Luis Munoz Marin Park (LMMP), Rio Puerto Nuevo, Puerto Rico, June 1 through June 9, 2023.

Bechara	LMMP			
X	X	*Bufo marinus*	marine toad	Introduced
X		*Eleutherodactylus antillensis*	Antillean coquí (red-eyed coquí)	Endemic
X	X	*Eleutherodactylus cochranae*	whistling coquí	Endemic
X	X	*Eleutherodactylus coqui*	common coquí	Endemic
X		*Leptodactylus albilabris*	Caribbean white-lipped frog	Endemic
X		*Osteopilus septentrionalis*	Cuban tree frog	Introduced
	X	*Rana catesbeiana*	bullfrog	Introduced
X		*Rana grylio*	pig frog	Introduced
		Birds		
X		*Ardea alba*	great egret	Native
	X	*Brotogeris versicolorus*	white-winged parakeet	Introduced
X[N]	X	*Buteo jamaicensis*	red-tailed hawk	Native
X	X	*Butorides virescens*	green heron	Native
X[N]		*Charadrius vociferus*	killdeer	Native
X		*Chordeiles gundlachii*	Antillean nighthawk	SGCN-DD
X	X	*Coccyzus minor*	mangrove cuckoo	Native
X[N]	X[N]	*Coereba flaveola*	bananaquit	Native
X		*Columba livia*	rock pigeon	Introduced
X		*Columbina passerina*	common ground dove	Native
X		*Crotophaga ani*	smooth-billed ani	Native
X		*Egretta caerulea*	little blue heron	Native
X		*Egretta tricolor*	tricolored heron	Native
X		*Estrilda melpoda*	orange-cheeked waxbill	Introduced
X	X	*Eulampis holosericeus*	green-throated carib	SGCN-DD
	X[N]	*Falco sparverius*	American kestrel	Native
X[N]		*Icterus portoricensis*	Puerto Rican oriole	Endemic, SGCN-DD, BCC
	X	*Margarops fuscatus*	pearly-eyed thrasher	Native
X[N]	X	*Melanerpes portoricensis*	Puerto Rican woodpecker	Endemic, SGCN-LR
X[N]	X[N]	*Melanospiza bicolor*	black-faced grassquit	Native
X	X	*Mimus polyglottos*	northern mockingbird	Native
X		*Molothrus bonariensis*	shiny cowbird	Native
X	X	*Myiarchus antillarum*	Puerto Rican flycatcher	Endemic, SGCN-DD
X	X	*Myiopsitta monachus*	monk parakeet	Introduced
X	X	*Nyctanassa violacea*	yellow-crowned night-heron	Native
X		*Passer domesticus*	house sparrow	Introduced
	X[N]	*Patagioenas leucocephala*	white-crowned pigeon	SGCN-DD, BCC
X	X	*Patagioenas squamosa*	scaly-naped pigeon	Native
X		*Petrochelidon fulva*	cave swallow	SGCN-DD
X	X	*Progne dominicensis*	Caribbean martin	Native
X	X	*Quiscalus niger*	greater Antillean grackle	Native
X[N]		*Spermestes cucullata*	bronze mannikin	Introduced
X		*Spindalis portoricensis*	Puerto Rican spindalis	Endemic, SGCN-LR
X		*Streptopelia decaocto*	Eurasian collared-dove	Introduced
X	X	*Turdus plumbeus*	red-legged thrush	Native
X		*Tyrannus caudifasciatus taylori*	loggerhead kingbird (Puerto Rican kingbird)	Endemic, SGCN-DD
X	X	*Tyrannus dominicensis*	gray kingbird	Native
X	X	*Zenaida asiatica*	white-winged dove	Native
X[N]		*Zenaida aurita*	Zenaida dove	Native

Table 2. The animal species documented at two material re-handling/placement areas- Bechara Industrial Area (Bechara) and Luis Munoz Marin Park (LMMP), Rio Puerto Nuevo, Puerto Rico, June 1 through June 9, 2023.

Bechara	LMMP			
		Mammals		
X		*Canis lupus familiaris*	feral dog	Introduced
X		*Molossus molossus*	velvety free-tailed bat	SGCN-DD
X	**X**	*Rattus norvegicus*	brown rat	Introduced
		Reptiles		
X	**X**	*Anolis cristatellus*	crested anole	Endemic
X	**X**	*Anolis krugi*	olive bush anole	Endemic
X		*Anolis pulchellus*	Puerto Rican bush anole	Endemic
X	**X**	*Iguana iguana*	green iguana	Introduced
X	**X**	*Pholidoscelis exsul*	greater Puerto Rican ameiva	Endemic
	X	*Sphaerodactylus grandisquamis*	big-scaled dwarf gecko	Endemic
X[1]	**X**	*Trachemys scripta elegans*	red-eared slider	Introduced
X[1]	**X**	*Trachemys stejnegeri stejnegeri*	Puerto Rican slider	Endemic, SGCN-DD

(X^N)=evidence of nesting/breeding onsite

(X^1)=Documented by US ACOE Biologist Danielle D'Amato

SGCN-DD= Species of Greatest Conservation Need that is Data Deficient

SGCN-LR= Species of Greatest Conservation Need that is Low-Risk

BCC= Bird of Conservation Concern

4.2 WETLAND DELINEATIONS

4.2.1 BECHARA WETLANDS

There were four wetland areas delineated on the Bechara project site (Figure 11). The Water & Air Team reviewed and compiled historical aerial imagery from the USGS EarthExplorer (https://earthexplorer.usgs.gov/) for the Bechara site. Figure 13 provides historic aerials of the site from 1962, 1977, 1983, and 2004. The Bechara project site was primarily forested in 1962, however, there is a northwest to southeast cleared strip, where currently there is upland fill, that almost divides Bechara Wetland 1 into two wetlands. In the 1977 aerial, it is apparent that the cleared strip that currently almost dissects Bechara Wetland 1 with debris fill was used as an access road to residences that were in the southwestern portion of the present-day project site. Also, apparent in the 1977 aerial photograph, is the forest south of the current northeast to southwest gravel road that dissects the site had been cleared. In the 1983 aerial photograph, it appears fill or a roadway has separated any connection Bechara Wetland 2 has with the present day Bechara Canal. There does not appear to be a unique wetland signature in the historic aerial imagery to aid in determining the extent of the onsite wetlands.

Bechara Wetland 1 comprises 11.4 acres and occurs in the northern third of the site (Photo 5). Common plant species included white mangrove (*Laguncularia racemosa*), leather fern (*Acrostichum danaeifolium*), and arrowhead plant (*Syngonium podophyllum*). Other species observed include Indian almond (*Terminalia catappa*) near the edges, queen palm (*Roystonea borinquena*), black mangrove (*Avicennia germinans*), red mangrove (*Rhizophora mangle*), pond apple (*Annona glabra*), primrose willow (*Ludwigia octovalvis*), cattail (*Typha domingensis*), and pothos (*Epipremnum pinnatum*). This wetland is characterized as an Estuarine Forested Wetland according to the National Wetland Inventory (Figure 11). Debris fill composed of soil, concrete rubble, rocks, tires, home demolition debris and other materials was deposited around much of the edge of this wetland (Photo 6). Soils in Bechara Wetland 1 consisted of muck to depths of 10 to 12” underlaid by dark loamy clay (Photo 7). Bechara Wetland 1 is hydrologically connected to the Bechara Canal to the west and thus would be considered jurisdictional as it is connected/adjacent to traditional navigable water. A USACE Wetland and Upland Data Sheet at flag A1 was completed and is provided in Appendix D and a completed USACE JD form is provided in Appendix E.

Photo 5. Photo of Bechara Wetland 1 taken in the northeast portion of the wetland.

Photo 6. Debris fill deposited along the south edge of Bechara Wetland 1.

Photo 7. A wetland soil profile in Bechara Wetland 1.

The onsite portions of the Bechara Wetlands 2, 3, and 4 total 0.88 acres and occur south of the existing northeast/southwest oriented access road dissecting the site (Figure 11). These wetlands are characterized as Estuarine Forested Wetlands according to the National Wetland Inventory. Dominant vegetation includes black mangrove, white mangrove, and near the wetland edge Indian almond, and shoebutton (*Ardisia elliptica*) (Photo 8). Fill composed of concrete rubble, rocks, soil, home demolition debris and other materials was pushed to the wetland edge around a majority of the onsite portion of Bechara Wetland 2 and portions of Bechara Wetlands 3 and 4. Soils in Bechara Wetlands 2, 3, and 4 were loamy clay with redoximorphic depressions throughout the matrix. A very thin layer of muck occurred at the surface, but the soil was extremely dry with the water table 12 inches below the ground surface at the time of the delineation. Soils sampled in Bechara Wetlands 2, 3, and 4 appeared substantially different than Bechara Wetland 1 (Photo 9). USACE Wetland and Upland Data Sheets were completed and provided in Appendix D. Bechara Wetlands 2, 3, and 4 are isolated wetlands with no hydrologic connection to any other water body or wetland. These wetlands rely on runoff from adjacent uplands and rainfall. Due to Bechara Wetlands 2, 3, and 4 being isolated, they are not considered federally jurisdictional. A USACE JD form for these wetlands is provided in Appendix E.

Photo 8. A representative view of the vegetation and conditions within Bechara Wetland 2.

Photo 9. A wetland soil profile from within Bechara Wetland 2.

4.2.2 LMMP WETLANDS

LMMP Wetland 1 (Figure 12) appears to be a man-made feature as a result of the excavation of uplands and possibly a portion of what was floodplain formerly connected to the Rio Piedras that occurred between 1983 and 2004 (Figure 14). In the aerial imagery from 1983 what is currently LMMP Wetland 1 appears to be possibly upland due to the bright red signature that is consistent across the entire project site area. Aerial imagery from 1962 also indicates that what is currently LMMP Wetland 1 was likely upland (or shallow floodplain) at that time.

LMMP Wetland 1 is dominated by herbaceous wetland plant species such as leather fern, elephant grass (*Cenchrus purperius*), swamp shield fern (*Cyclocorus interruptus*), cattail, and eared watermoss (*Salvinia auriculata*). There are deep areas that are dominated by floating aquatic plants (Photo 10). The edges of what appears to be a partially excavated wetland are comprised of fill and steep banks. Soils in LMMP Wetland 1 consisted of deep loamy clay with a thin layer of flocculent plant material on top (Photo 11). LMMP Wetland 1 had water depths of 15" or greater at the time of the delineation. Hydrologic inputs are rainfall and runoff from adjacent uplands. There is a large drop inlet box structure in the northwest corner of the wetland that contains two large approximately 36" pipes that connect to Rio Piedras to the west via a ditch (Photo 12). This artificial hydrologic connection allows water to exit LMMP Wetland 1 during high stages and likely keeps the water level at a relatively constant elevation during the wet season. Due to LMMP Wetland 1 being excavated from likely former uplands as documented by historic aerial imagery, and only connected to Rio Piedras during high stages via a concrete pipe structure and man-made ditch constructed through uplands, this wetland is not federally jurisdictional. A USACE JD form for LMMP Wetland 1 is provided in Appendix E.

Photo 10. A representative view of LMMP Wetland 1.

Photo 11. A wetland soil profile from within Bechara LMMP Wetland 1.

Photo 12. The drop inlet drainage structure in the northwest portion of LMMP Wetland 1.

5.0 REFERENCES

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FIGURES

Figure 1.
The Location of the Project Sites for the Wetland Jurisdictional Determination and Delineation and Flora and Fauna Surveys, Rio Puerto Nuevo Flood Damage Reduction Project, Site A (Bechara Industrial Park) and Site B (Luis Munoz Marin Park Ampitheater).

Source: Esri, DigitalGlobe Imagery, 2022; Water & Air Research, Inc., 2023.

water & air RESEARCH, INC.

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Figure 2.
The Critical Wildlife Areas Identified by the Department of Natural and Environmental Resources Bureau of Fish and Wildlife Terrestrial Resources Division and the Protected Areas Identified by the U.S.G.S. within the Vicinity of Project Sites.

Source: Esri, DigitalGlobe Imagery, 2022; Water & Air Research, Inc., 2023.

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Figure 3.
The U.S. Fish and Wildlife Service, National Wetlands Inventory Wetlands Depicted on Site A.

Source: Esri, DigitalGlobe Imagery, 2022; Water & Air Research, Inc., 2023.

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Figure 4.
The U.S. Fish and Wildlife Services, National Wetlands Inventory Wetlands Depicted on Site B.

Source: Esri, DigitalGlobe Imagery, 2022; Water & Air Research, Inc., 2023.

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Figure 5.
The U.S. Department of Agriculture Natural Resources, Conservation Service Soil Types Depicted on Site A.

Source: Esri, DigitalGlobe Imagery, 2022; Water & Air Research, Inc., 2023.

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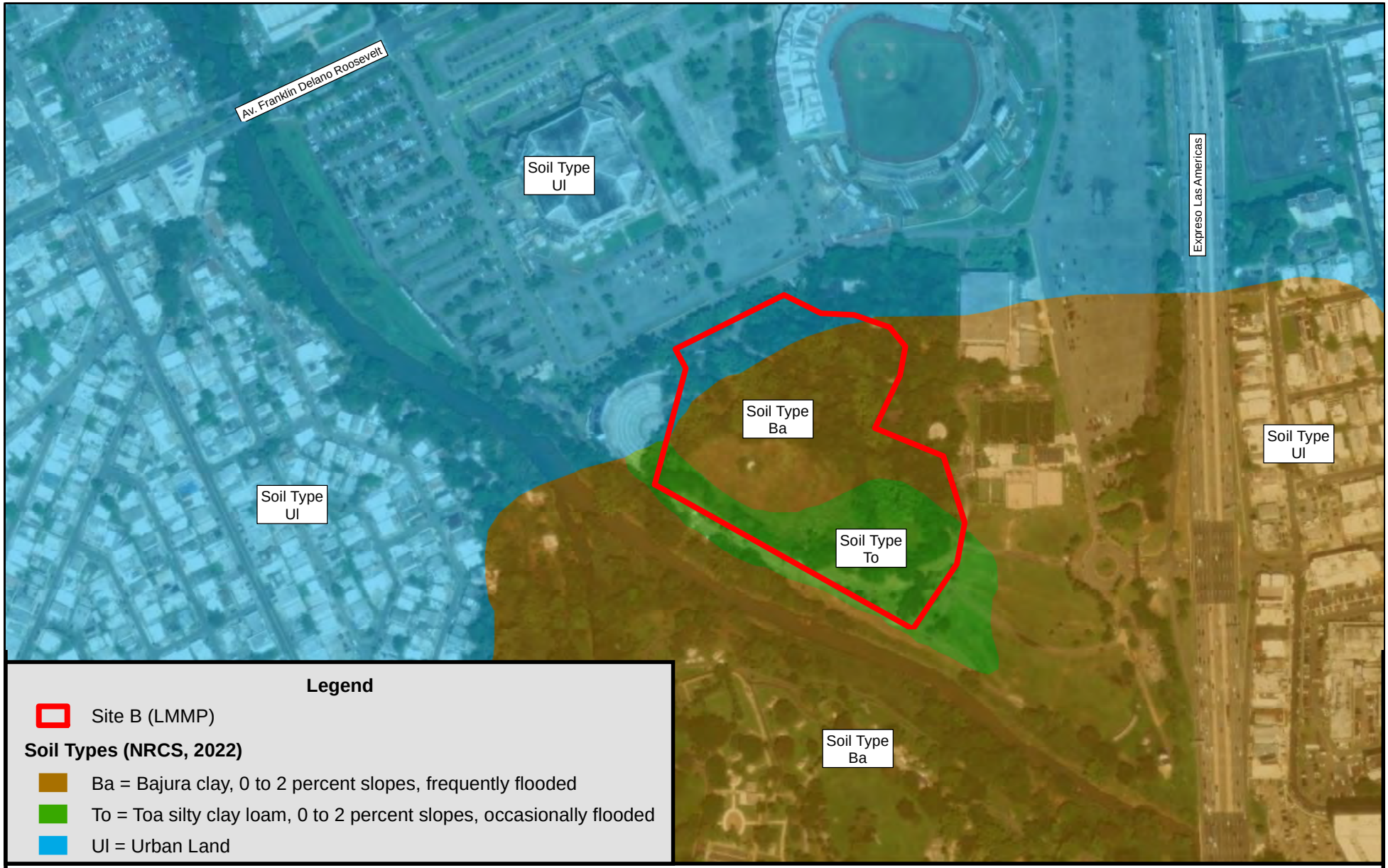

Figure 6.
The U.S. Department of Agriculture Natural Resources, Conservation Service Soil Types Depicted on Site B.

Source: Esri, DigitalGlobe Imagery, 2022; Water & Air Research, Inc., 2023.

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Figure 7.
The U.S. Geological Survey Topographic Map of Site A.

Source: Esri, DigitalGlobe Imagery, 2022; Water & Air Research, Inc., 2023.

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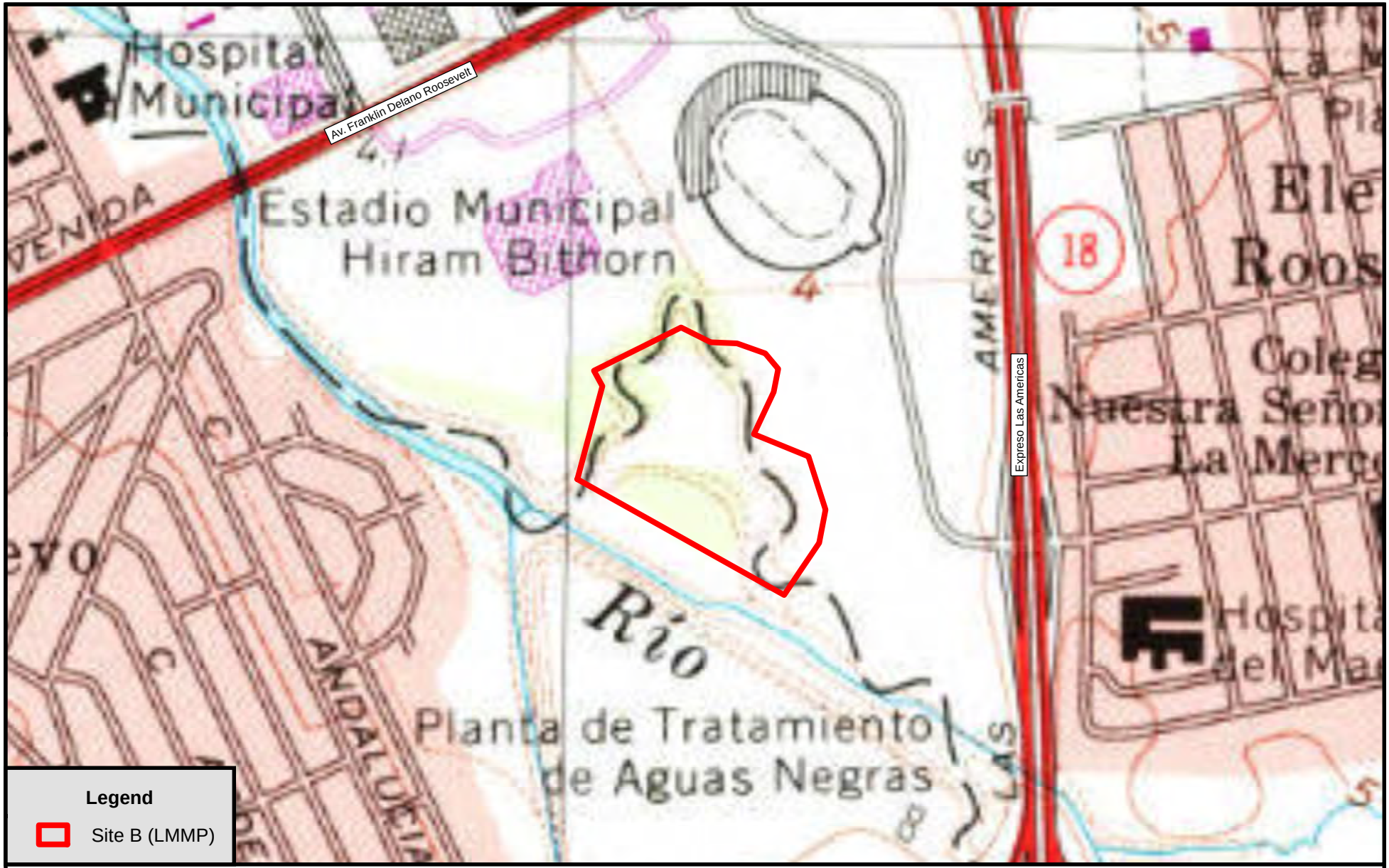

Figure 8.
The U.S. Geological Survey Topographic Map of Site B.

Source: Esri, DigitalGlobe Imagery, 2022; Water & Air Research, Inc., 2023.

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Figure 9.
The U.S. Geological Survey, Digital Elevation Model (Post Hurricane Maria) of Site A.

Source: Esri, DigitalGlobe Imagery, 2022; Water & Air Research, Inc., 2023.

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Figure 10.
The U.S. Geological Survey, Digital Elevation Model (Post Hurricane Maria) of Site B.

Source: Esri, DigitalGlobe Imagery, 2022; Water & Air Research, Inc., 2023.

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Figure 11.
The Wetlands Delineated at Site A (Bechara Industrial Park) with the Wetland Flag Points, the Data Sheet Collection Locations, the Species of Greatest Conservation Need Listed Bird Species Nest, and Listed Endangered Plant Species for the Rio Puerto Nuevo Flood Damage Reduction Project
Source: Esri, DigitalGlobe Imagery, 2022; Water & Air Research, Inc., 2023.

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Figure 12.
The Wetlands Delineated at Site B (Luis Munoz Marin Park) with the Wetland Flag Points, the Data Sheet Collection Locations, and the Species of Greatest Conservation Need Listed Bird Species Nest for the Rio Puerto Nuevo Flood Damage Reduction Project

Source: Esri, DigitalGlobe Imagery, 2022; Water & Air Research, Inc., 2023.

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1962

1977

1983

2004

Figure 13.
The Historic Aerial Images Reviewed for the Bechara Site,
Rio Puerto Nuevo Flood Damage Reduction Project

Source: Water & Air Research, Inc., 2023.

water & air RESEARCH, INC.

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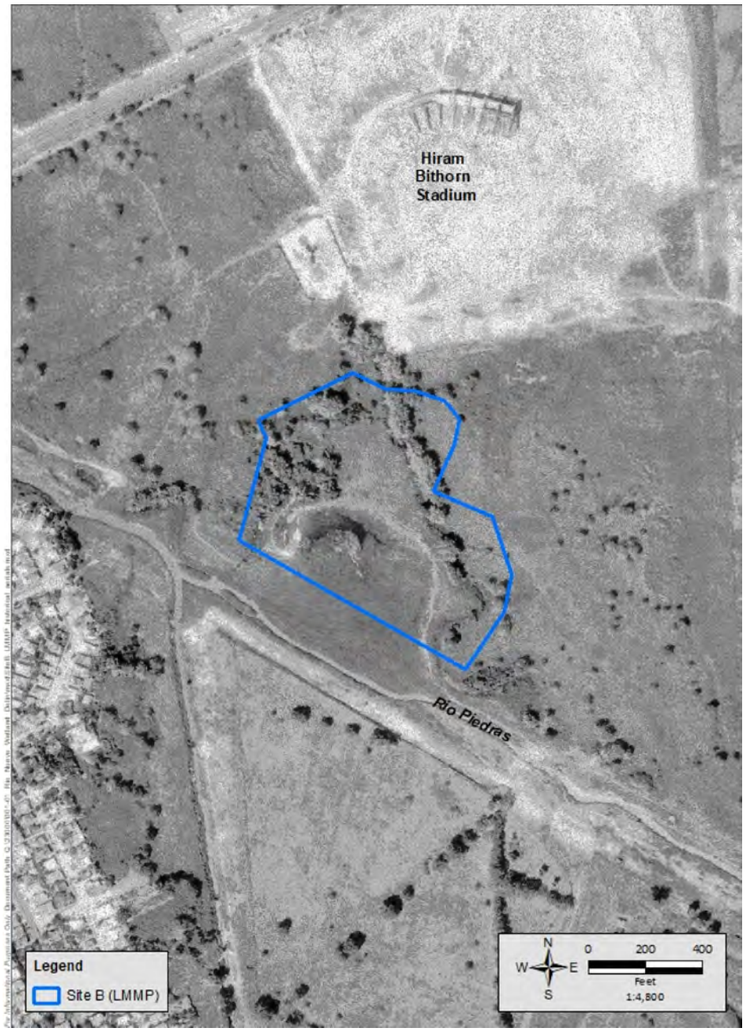

1962

1983

2004

Figure 14.
The Historic Aerial Images Reviewed for the LMMP Site,
Rio Puerto Nuevo Flood Damage Reduction Project

Source: Water & Air Research, Inc., 2023.

water & air RESEARCH, INC.

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APPENDIX A

CARIBBEAN LISTED SPECIES 2017

US Fish and Wildlife Service

Caribbean Ecological Services Field Office

Threatened and endangered species and critical habitats under the jurisdiction of the U. S. Fish and Wildlife Service

Puerto Rico and U. S. Virgin Islands

Animals

Scientific Name	Common Name	Status	Date Listed	Reference
Amphibians				
Eleutherodactylus cooki	Puerto Rican rock frog	Threatened	6/11/1997	62 FR 31757
Eleutherodactylus jasperi	Golden coquí	Threatened	11/11/1977	42 FR 58756
Eleutherodactylus juanariveroi	Coquí llanero	Endangered	10/04/2012	77 FR 60778
Peltophryne lemur	Puerto Rican crested toad	Threatened	8/4/1987	52 FR 28828
Reptiles				
Ameiva polops	St. Croix ground lizard	Endangered	6/3/1977	42 FR 28543
Anolis roosevelti	Culebra giant anole	Endangered	7/21/1977	42 FR 37371
Caretta caretta	Loggerhead sea turtle	Threatened	7/28/1978	43 FR32800
Chelonia mydas	Green sea turtle	Threatened	7/28/1978	43 FR 32800
Cyclura cornuta stejnegeri	Mona ground iguana	Threatened	2/3/1978	43 FR 4618
Dermochelys coriacea	Leatherback sea turtle	Endangered	6/2/1970	35 FR 8491
Epicrates inornatus	Puerto Rican boa	Endangered	10/13/1970	35 FR 16047
Epicrates monensis granti	Virgin Islands tree boa	Endangered	10/13/1970	35 FR 16047
Epicrates monensis monensis	Mona boa	Threatened	2/3/1978	43 FR 4618
Eretmochelys imbricata	Hawksbill sea turtle	Endangered	6/2/1970	35 FR 8491
Sphaerodactylus micropithecus	Monito gecko	Endangered	10/15/1982	47 FR 46090
Birds				
Accipiter striatus venator	Puerto Rican sharp-shinned hawk	Endangered	9/9/1994	59 FR 46710
Agelaius xanthomus	Yellow-shouldered blackbird	Endangered	11/19/1976	41 FR 51019
Amazona vittata vittata	Puerto Rican parrot	Endangered	3/11/1967	32 FR 4001
Buteo platypterus brunnescens	Puerto Rican Broad-winged hawk	Endangered	9/9/1994	59 FR 46710
Caprimulgus noctitherus	Puerto Rican nightjar	Endangered	6/4/1973	38 FR 14678
Calidris canutus rufa	Rufa Red Knot	Threatened	12/11/2014	79 FR 73706
Charadrius melodus	Piping plover	Threatened	12/11/1985	50 FR 50726
Corvus leucognaphalus	White-necked crow	Extirpated	4/3/1991	56 FR 13598
Patagioenas inornata wetmorei[1]	Puerto Rican plain pigeon	Endangered	10/13/1970	35 FR 16047
Setophaga angelae	Elfin-woods warbler	Threatened	6/22/2016	81 FR 40534

Sterna dougallii dougallii	Roseate tern	Threatened	11/2/1987	52 FR 42064
Mammals				
Trichechus manatus	Antillean manatee	Threatened	3/11/1967 12/02/1970 **04/05/2017**	32 FR 4001[2] 35 FR 18319[3] **82 FR 16668**

[1] Listed as *Columba inornata wetmorei,* [2]*Listed only for Florida manatees,* [3]*Includes Caribbean and South America's manatees*

Plants

Scientific Name	Common Name	Status	Listed Date	Reference
Trees and Shrubs				
Auerodendron pauciflorum		Endangered	3/2/1994	59 FR 9935
Banara vanderbiltii		Endangered	1/14/1987	52 FR 1459
Buxus vahlii	Vahl's boxwood	Endangered	8/13/1985	50 FR 32572
Callicarpa ampla		Endangered	4/22/1992	57 FR 14782
Calyptranthes thomasiana		Endangered	2/18/1994	59 FR 8138
Calyptronoma rivalis		Threatened	2/6/1990	55 FR 4157
Catesbaea melanocarpa		Endangered	3/17/1999	64 FR 13116
Chamaecrista glandulosa var. mirabilis		Endangered	4/5/1990	55 FR 12788
Cordia bellonis		Endangered	1/10/1997	62 FR 1644
Cornutia obovata		Endangered	4/7/1988	53 FR 11610
Crescentia portoricensis		Endangered	12/4/1987	52 FR 46085
Daphnopsis helleriana		Endangered	6/23/1988	53 FR 23740
Eugenia haematocarpa		Endangered	11/25/1994	59 FR 60565
Eugenia woodburyana		Endangered	9/9/1994	59 FR 46715
Goetzea elegans	Beautiful goetzea	Endangered	4/19/1985	50 FR 15564
Gonocalyx concolor		Endangered	9/9/2014	79 FR 53303
Ilex cookii	Cook's holly	Endangered	6/16/1987	52 FR 22936
Ilex sintenisii		Endangered	4/22/1992	57 FR 14782
Juglans jamaicensis	West Indian walnut	Endangered	1/13/1997	62 FR 1691
Lyonia truncata var. proctorii		Endangered	4/27/1993	58 FR 25755
Mitracarpus polycladus		Endangered	9/9/1994	59 FR 46715
Mitracarpus maxwelliae		Endangered	9/9/1994	59 FR 46715
Myrcia paganii		Endangered	2/18/1994	59 FR 8128
Ottoschulzia rhodoxylon		Endangered	4/10/1990	55 FR 13488
Pleodendron macranthum		Endangered	11/25/1994	59 FR 60565
Schoepfia arenaria		Threatened	4/19/1991	56 FR 16021
Solanum drymophilum		Endangered	8/26/1988	53 FR 32827
Stahlia monosperma		Threatened	4/5/1990	55 FR 12790

Styrax portoricensis		Endangered	4/22/1992	57 FR 14782
Ternstroemia luquillensis		Endangered	4/22/1992	57 FR 14782
Ternstroemia subsessilis		Endangered	4/22/1992	57 FR 14782
Trichilia triacantha		Endangered	2/5/1988	53 FR 3565
Varonia rupicola		Threatened	9/9/2014	79 FR 53303
Vernonia proctorii		Endangered	4/27/1993	58 FR 25755
Zanthoxylum thomasianum	St. Thomas prickly ash	Endangered	12/20/1985	50 FR 51867
Ferns				
Adiantum vivesii		Endangered	6/9/1993	58 FR 32308
Cyathea dryopteroides	Elfin tree fern	Endangered	6/16/1987	52 FR 22936
Elaphoglossum serpens		Endangered	6/9/1993	58 FR 32308
Polystichum calderonense		Endangered	6/9/1993	58 FR 32308
Tectaria estremerana		Endangered	6/9/1993	58 FR 32308
Thelypteris inabonensis		Endangered	7/2/1993	58 FR 35887
Thelypteris verecunda		Endangered	7/2/1993	58 FR 35887
Thelypteris yaucoensis		Endangered	7/2/1993	58 FR 35887
Cacti				
Harrisia portoricensis		Threatened	8/8/1990	55 FR 32252
Leptocereus grantianus		Endangered	2/26/1993	58 FR 11550
Orchids				
Cranichis ricartii		Endangered	11/29/1991	56 FR 60933
Lepanthes eltoroensis		Endangered	11/29/1991	56 FR 60933
Herbaceous plants and Herbs				
Agave eggersiana		Endangered	9/9/2014	79 FR 53303
Aristida chaseae		Endangered	4/27/1993	58 FR 25755
Aristida portoricensis		Endangered	8/8/1990	55 FR 32255
Gesneria pauciflora		Threatened	3/7/1995	60 FR 12483
Peperomia wheeleri	Wheeler's peperomia	Endangered	1/14/1987	52 FR 1459

Species with Designated Critical Habitat

Scientific Name/ Common Name	Publication Date	Reference
Agave eggersiana (No common name)	09/09/2014	79 FR 53315
Agelaius xanthomus (Yellow-shouldered blackbird)	09/22/1977	42 FR 47840
Ameiva polops (St. Croix ground lizard)	09/22/1977	42 FR 47840
Anolis roosevelti (Culebra giant anole)	09/22/1977	42 FR 47840
Catesbaea melanocarpa (No common name)	08/28/2007	72 FR 49212
Chelonia mydas (Green sea turtle)[2]	09/02/1998	63 FR 46693
Cyclura cornuta stejnegeri (Mona ground iguana)	02/03/1978	43 FR 4618
Dermochelys coriacea (Leatherback sea turtle)	09/26/1978	43 FR 43688
Eleutherodactylus cooki (Puerto Rican rock frog)	10/23/2007	72 FR 60068

Eleutherodactylus jasperi (Golden coqui)	11/11/1977	42 FR 58756
Eleutherodactylus juanariveroi (Coquí llanero)	10/04/2012	77 FR 60778
Epicrates monensis monensis (Mona boa)	02/03/1978	43 FR 4618
Eretmochelys imbricata (Hawksbill sea turtle)	06/24/1982	47 FR 27295
Gonocalyx concolor	9/9/2014	79 FR 53315
Sphaerodactylus micropithecus (Monito gecko)	10/15/1982	47 FR 46090
Varronia rupicola	9/9/2014	79 FR 533015

[2] Designation of critical habitat by NOAA, it only includes aquatic habitat

For further information visit our website at:

http://www.fws.gov

http://www.fws.gov/caribbean/es

http://ecos.fws.gov

Updated:July 2017

P. O. Box 491 * Boquerón, PR 00622 * Tel: 787 851 7297 * Fax: 787 851 7440

APPENDIX B

IPAC BECHARA

IPaC **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly a ected by activities in the project area. However, determining the likelihood and extent of e ects a project may have on trust resources typically requires gathering additional site-speci c (e.g., vegetation/species surveys) and project-speci c (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS o ce(s) with jurisdiction in the de ned project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

NOT FOR CONSULTATION

Location

San Juan County, Puerto Rico

Local office

Caribbean Ecological Services Field O ce

(787) 834-1600
(787) 851-7440
CARIBBEAN_ES@FWS.GOV

MAILING ADDRESS

Post O ce Box 491
Boqueron, PR 00622-0491

PHYSICAL ADDRESS

O ce Park I
State Road #2 Km 156.5, Suite 303}
Mayaguez, PR 00680

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of in uence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly a ected by activities in that area (e.g., placing a dam upstream of a sh population even if that sh does not occur at the dam site, may indirectly impact the species by reducing or eliminating water ow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential e ects to species, additional site-speci c and project-speci c information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local o ce and a species list which ful lls this requirement can **only** be obtained by requesting an o cial species list from either the Regulatory Review section in IPaC (see directions below) or from the local eld o ce directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an o cial species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the sheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

---

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).

NOT FOR CONSULTATION

2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an o ce of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially a ected by activities in this location:

Mammals

NAME	STATUS
West Indian Manatee Trichechus manatus Wherever found There is **nal** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/4469	Threatened Marine mammal

Reptiles

NAME	STATUS
Puerto Rican Boa Chilabothrus inornatus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6628	Endangered

Flowering Plants

NAME	STATUS
Palo De Rosa Ottoschulzia rhodoxylon Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/5741	Threatened

NOT FOR CONSULTATION

Critical habitats

Potential e ects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern https://www.fws.gov/program/migratory-birds/species
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/ les/documents/nationwide-standard-conservation-measures.pdf

NOT FOR CONSULTATION

There are no migratory birds of conservation concern expected to occur at this location.

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my speci ed location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and ltered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identi ed as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to o shore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my speci ed location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the pro les provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe speci ed. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Paci c Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in o shore areas from certain types of development or activities (e.g. o shore energy development or longline shing).

Although it is important to try to avoid and minimize impacts to all birds, e orts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially a ected by o shore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area o the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also o ers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results les underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

NOT FOR CONSULTATION

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my speci ed location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey e ort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey e ort is the key component. If the survey e ort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey e ort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to con rm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be con rmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

NOT FOR CONSULTATION

Marine mammals

Marine mammals are protected under the Marine Mammal Protection Act. Some are also protected under the Endangered Species Act[1] and the Convention on International Trade in Endangered Species of Wild Fauna and Flora[2].

The responsibilities for the protection, conservation, and management of marine mammals are shared by the U.S. Fish and Wildlife Service [responsible for otters, walruses, polar bears, manatees, and dugongs] and NOAA Fisheries[3] [responsible for seals, sea lions, whales, dolphins, and porpoises]. Marine mammals under the responsibility of NOAA Fisheries are **not** shown on this list; for additional information on those species please visit the Marine Mammals page of the NOAA Fisheries website.

The Marine Mammal Protection Act prohibits the take (to harass, hunt, capture, kill, or attempt to harass, hunt, capture or kill) of marine mammals and further coordination may be necessary for project evaluation. Please contact the U.S. Fish and Wildlife Service Field O ce shown.

1. The Endangered Species Act (ESA) of 1973.
2. The Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) is a treaty to ensure that international trade in plants and animals does not threaten their survival in the wild.
3. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an o ce of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following marine mammals under the responsibility of the U.S. Fish and Wildlife Service are potentially a ected by activities in this location:

NAME

West Indian Manatee *Trichechus manatus*
https://ecos.fws.gov/ecp/species/4469

NOT FOR CONSULTATION

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

ESTUARINE AND MARINE DEEPWATER

- E1UBL
- E1AB4L

ESTUARINE AND MARINE WETLAND

- E2EM1N
- E2FO3P
- E2EM1P

NOT FOR CONSULTATION

A full description for each wetland code can be found at the National Wetlands Inventory website

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identi ed based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classi cation established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth veri cation work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or eld work. There may be occasional di erences in polygon boundaries or classi cations between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuber cid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may de ne and describe wetlands in a di erent manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to de ne the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modi cations within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning speci ed agency regulatory programs and proprietary jurisdictions that may a ect such activities.

NOT FOR CONSULTATION

APPENDIX C

IPAC MARIN

IPaC **U.S. Fish & Wildlife Service**

IPaC resource list

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Below is a summary of the project information you provided and contact information for the USFWS o ce(s) with jurisdiction in the de ned project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

NOT FOR CONSULTATION

Location

San Juan County, Puerto Rico

Local office

Caribbean Ecological Services Field O ce

(787) 834-1600
(787) 851-7440
CARIBBEAN_ES@FWS.GOV

MAILING ADDRESS

Post O ce Box 491
Boqueron, PR 00622-0491

PHYSICAL ADDRESS

O ce Park I
State Road #2 Km 156.5, Suite 303}
Mayaguez, PR 00680

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of in uence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly a ected by activities in that area (e.g., placing a dam upstream of a sh population even if that sh does not occur at the dam site, may indirectly impact the species by reducing or eliminating water ow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential e ects to species, additional site-speci c and project-speci c information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local o ce and a species list which ful lls this requirement can **only** be obtained by requesting an o cial species list from either the Regulatory Review section in IPaC (see directions below) or from the local eld o ce directly.

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1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
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Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the sheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

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NOT FOR CONSULTATION

2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an o ce of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially a ected by activities in this location:

Reptiles

NAME	STATUS
Puerto Rican Boa Chilabothrus inornatus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6628	Endangered

Critical habitats

Potential e ects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern https://www.fws.gov/program/migratory-birds/species
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/ les/documents/nationwide-standard-conservation-measures.pdf

NOT FOR CONSULTATION

There are no migratory birds of conservation concern expected to occur at this location.

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my speci ed location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and ltered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identi ed as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to o shore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my speci ed location?

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Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the pro les provided for each bird in your results. If a bird

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on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area offthe Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is

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the key component. If the survey e ort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey e ort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to con rm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be con rmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

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Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

FRESHWATER EMERGENT WETLAND

PEM1C

FRESHWATER FORESTED/SHRUB WETLAND

PFO3C

A full description for each wetland code can be found at the National Wetlands Inventory website

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identi ed based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classi cation established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth veri cation work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or eld work. There may be occasional di erences in polygon boundaries or classi cations between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuber cid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may de ne and describe wetlands in a di erent manner than that used in this inventory. There is no attempt, in either the design or

NOT FOR CONSULTATION

products of this inventory, to de ne the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modi cations within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning speci ed agency regulatory programs and proprietary jurisdictions that may a ect such activities.

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APPENDIX D
WETLAND FORMS

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Caribbean Islands Region
See ERDC/EL TR-11-4; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Site A (Bechara) Municipality/Town: San Juan Sampling Date: 06/04/23

Applicant/Owner: Private land owner PR or USVI: PR Sampling Point: W1-UP

Investigator(s): Jim Surdick (Water and Air) and BJ Bukata (Jones Edmunds) Ward/Estate:

Landform (hillside, terrace, etc.): Terrace Local relief (concave, convex, none): Convex Slope (%): 1-2

Lat: 18 deg 25' 45.366" Long: 66 deg 5' 20.373" Datum:

Soil Map Unit Name: Hydraquents, Saline NWI classification: Upland

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation X , Soil X , or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ No X

Are Vegetation ____ , Soil ____ , or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** **Yes** ____ **No** X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	

Remarks:
West, south, and east sides of wetland were bound by construction and demolition debris and fill. Wetland connected to Bechara Canal.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 10m)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Albizia procera*	40	Yes	UPL
2. *Pithecellobium unguis-cati*	20	Yes	UPL
3. *Roystonea borinquena*	2	No	FAC
4. *Colubrina arborescens*	10	No	UPL
5. *Spathodea campanulata*	10	No	FACU
	90	=Total Cover	
Sapling/Shrub Stratum (Plot size: 10m)			
1. *Leucaena leucocephala*	25	Yes	FACU
2. *Albizia procera*	10	Yes	UPL
3. *Colubrina arborescens*	3	No	UPL
4. *Spathodea campanulata*	2	No	FACU
5.			
	40	=Total Cover	
Herb Stratum (Plot size: 10m)			
1. *Ricinus communis*	5	Yes	FACU
2.			
3. *Phyllanthus urinaria*	10	Yes	FAC
4. *Passiflora foetida*	5	Yes	FACU
5.			
6.			
7.			
8.			
	20	=Total Cover	
Woody Vine Stratum (Plot size: 10m)			
1. *Syngonium podophyllum*	10	Yes	UPL
2. *Epipremnum pinnatum*	20	Yes	FAC
	40	=Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 10 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 30.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	42	x 3 =	126
FACU species	55	x 4 =	220
UPL species	93	x 5 =	465
Column Totals:	190 (A)		811 (B)

Prevalence Index = B/A = 4.27

Hydrophytic Vegetation Indicators:

____ 1 - Rapid Test for Hydrophytic Vegetation
____ 2 - Dominance Test is >50%
____ 3 - Prevalence Index is ≤3.0[1]
____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? **Yes** ____ **No** X

Remarks:
Disturbed site, upland is all fill. Plant species present indicative (early successional, weedy) of this.

VEGETATION Continued – Use scientific names of plants. Sampling Point: W1-UP

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status
6. *Leucaena leucocephala*	8	No	FACU
7.			
8.			
9.			
10.			
11.			
12.			
13.			
	90	=Total Cover	
Sapling/Shrub Stratum			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
	40	=Total Cover	
Herb Stratum			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
	20	=Total Cover	
Woody Vine Stratum			
3. *Paullinia pinnata*	10	Yes	FAC
4.			
5.			
6.			
7.			
	40	=Total Cover	

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Remarks:

SOIL

Sampling Point: W1-UP

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR 5/2	100					Loamy/Clayey	Fill with lots of rocks and debris.

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Organic Bodies (A6)
- ___ 5 cm Mucky Mineral (A7)
- ___ Muck Presence (A8)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- X Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Stratified Layers (A5)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (Inches): _____

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

Soil is C&D material with soil. Lots of concrete, rocks, debris etc and fill was pushed all around and up to wetland line. Unable to dig below 6 inches.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Fiddler Crab Burrows (C10)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No X Depth (inches): ___

Water Table Present? Yes ___ No X Depth (inches): ___

Saturation Present? Yes ___ No X Depth (inches): ___

(includes capillary fringe)

Wetland Hydrology Present? **Yes** ___ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

NA

Remarks:

Upland sampling point. Fill all around wetland.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Caribbean Islands Region
See ERDC/EL TR-11-4; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Site A (Bechara) Municipality/Town: San Juan Sampling Date: 06/04/23

Applicant/Owner: City of San Juan PR or USVI: PR Sampling Point: W1-Wet

Investigator(s): Jim Surdick (Water and Air) and BJ Bukata (Jones Edmunds) Ward/Estate:

Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): <1

Lat: 18 deg 24.0 45.670" Long: 66 deg 4.0' 22.41" Datum:

Soil Map Unit Name: Hydraquents, Saline NWI classification: Estuarine and Marine Wetland

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology X significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** **Yes** X **No** ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	

Remarks:
Sides of this wetland have been impacted by fill activities over the decades. Wetland connected to Rio Piedras via a drop inlet structure in northwest corner. Drop inlet structure contains two ~36" pipes. This drop inlet structure keep wetland water level fairly consistent.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 10m)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Laguncularia racemosa*	60	Yes	OBL
2. *Terminalia catappa*	10	No	FACU
3. *Roystonea borinquena*	5	No	FAC
4.			
5.			
	75	=Total Cover	
Sapling/Shrub Stratum (Plot size: 10m)			
1. *Laguncularia racemosa*	10	Yes	OBL
2.			
3.			
4.			
5.			
	10	=Total Cover	
Herb Stratum (Plot size: 10m)			
1. *Acrostichum danaeifolium*	80	Yes	OBL
2. *Syngonium podophyllum*	60	Yes	UPL
3. *Epipremnum pinnatum*	10	No	FAC
4. *Cyperus involucratus*	2	No	OBL
5.			
6.			
7.			
8.			
	152	=Total Cover	
Woody Vine Stratum (Plot size: 10m)			
1. *Syngonium podophyllum*	5	Yes	UPL
2. *Epipremnum pinnatum*	5	Yes	FAC
	10	=Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	152	x 1 =	152
FACW species	0	x 2 =	0
FAC species	20	x 3 =	60
FACU species	10	x 4 =	40
UPL species	65	x 5 =	325
Column Totals:	247 (A)		577 (B)
Prevalence Index = B/A =			2.34

Hydrophytic Vegetation Indicators:

____ 1 - Rapid Test for Hydrophytic Vegetation
X 2 - Dominance Test is >50%
X 3 - Prevalence Index is ≤3.0[1]
____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? **Yes** X **No** ____

Remarks:
None.

SOIL

Sampling Point: W1-Wet

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-9.5	10YR 2/1	100					Muck	Plant material present in matrix.
9.5-14	10YR 4/1	100					Loamy/Clayey	Numerous fiberous roots.

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- X Histic Epipedon (A2)
- X Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Organic Bodies (A6)
- ___ 5 cm Mucky Mineral (A7)
- X Muck Presence (A8)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- X Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- X Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Stratified Layers (A5)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: ___

Depth (Inches): ___

Hydric Soil Present? **Yes** X **No** ___

Remarks:

Deep muck soils with fibric material and roots. Soil soft when traversing across wetland.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- X High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- X Fiddler Crab Burrows (C10)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- X FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ___	No X	Depth (inches): ___
Water Table Present?	Yes X	No ___	Depth (inches): 10
Saturation Present? (includes capillary fringe)	Yes X	No ___	Depth (inches): ___

Wetland Hydrology Present? **Yes** X **No** ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

NA

Remarks:

Wetland connected to Bechara Canal in northwest canal. Received drainage from north and dealerships to east. Likely had a much larger connection to Bechara Canal.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Caribbean Islands Region
See ERDC/EL TR-11-4; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Site A (Bechara) Municipality/Town: San Juan Sampling Date: 06/04/23

Applicant/Owner: Private land owner PR or USVI: PR Sampling Point: W2-Up

Investigator(s): Jim Surdick (Water and Air) and BJ Bukata (Jones Edmunds) Ward/Estate:

Landform (hillside, terrace, etc.): Terrace Local relief (concave, convex, none): Convex Slope (%): 1-2

Lat: 18 deg 25.0' 32.638" Long: 66 deg 5.0' 21.48" Datum:

Soil Map Unit Name: Hydraquents, Saline NWI classification: Estruarine and Marine Wetland

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)

Are Vegetation X, Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No

Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	No X	**Is the Sampled Area within a Wetland?** **Yes** **No X**
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	

Remarks:
West, south, and east sides of wetland were bound by construction and demolition debris and fill. U1 data collected in fill material adjacent to West, south, and east sides of wetland were bound by construction and demolition debris and fill. U1 data collected in fill material adjacent to wetland.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 10m)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Albizia procera*	10	Yes	UPL
2. *Leucaena leucocephala*	2	No	FACU
3.			
4.			
5.			
	12	=Total Cover	
Sapling/Shrub Stratum (Plot size: 10m)			
1. *Ardisia elliptica*	5	Yes	UPL
2.			
3.			
4.			
5.			
	5	=Total Cover	
Herb Stratum (Plot size: 10m)			
1. *Cenchrus purpureus*	30	Yes	FAC
2. *Momordica charantia*	25	Yes	FAC
3. *Ricinus communis*	50	Yes	FACU
4. *Commelina erecta*	2	No	FAC
5. *Vigna luteola*	5	No	FAC
6.			
7.			
8.			
	112	=Total Cover	
Woody Vine Stratum (Plot size: 10m)			
1. *Trichostigma octandrum*	15	Yes	FACU
2. *Cissus verticillata*	5	Yes	FAC
	25	=Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	72	x 3 =	216
FACU species	67	x 4 =	268
UPL species	15	x 5 =	75
Column Totals:	154 (A)		559 (B)

Prevalence Index = B/A = 3.63

Hydrophytic Vegetation Indicators:

- 1 - Rapid Test for Hydrophytic Vegetation
- 2 - Dominance Test is >50%
- 3 - Prevalence Index is ≤3.0[1]
- Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? **Yes** X **No**

Remarks:

VEGETATION Continued – Use scientific names of plants. Sampling Point: W2-Up

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
	12	=Total Cover	
Sapling/Shrub Stratum			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
	5	=Total Cover	
Herb Stratum			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
	112	=Total Cover	
Woody Vine Stratum			
3. *Paullinia pinnata*	5	Yes	FAC
4.			
5.			
6.			
7.			
	25	=Total Cover	

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Remarks:

SOIL

Sampling Point: W2-Up

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
								Soil contained too much debris and glass to dig pit.

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Organic Bodies (A6)
- ___ 5 cm Mucky Mineral (A7)
- ___ Muck Presence (A8)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Stratified Layers (A5)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (Inches): _____

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

Soil was recent C&D fill with extensive broken glass, rocks, concrete, tile etc debris.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Fiddler Crab Burrows (C10)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ___ Depth (inches): ___

Water Table Present? Yes ___ No ___ Depth (inches): ___

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): ___

Wetland Hydrology Present? **Yes** ___ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

NA

Remarks:

None.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Caribbean Islands Region
See ERDC/EL TR-11-4; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Site A (Bechara) Municipality/Town: San Juan Sampling Date: 06/04/23

Applicant/Owner: Private land owner PR or USVI: PR Sampling Point: W2-Wet

Investigator(s): Jim Surdick (Water and Air) and BJ Bukata (Jones Edmunds) Ward/Estate:

Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): <1

Lat: 18 deg 25.0' 31.638" Long: 66 deg 5.0' 23.48" Datum:

Soil Map Unit Name: Hydraquents, Saline NWI classification: Estruarine and Marine Wetland

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology X significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** **Yes** X **No** ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	

Remarks:
All sides of wetland were bound by construction and demolition debris and fill. Wetland was likely historically connected to Bechara Canal due to presence of black mangrove but it is now hydrologically isolated due to fill activities.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 10m)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Laguncularia racemosa*	80	Yes	OBL
2. *Avicennia germinans*	30	Yes	OBL
3.			
4.			
5.			
	110	=Total Cover	
Sapling/Shrub Stratum (Plot size: 10m)			
1. *Avicennia germinans*	65	Yes	OBL
2. *Ardisia elliptica*	10	No	UPL
3.			
4.			
5.			
	75	=Total Cover	
Herb Stratum (Plot size: 10m)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
		=Total Cover	
Woody Vine Stratum (Plot size: 10m)			
1.			
2.			
		=Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	175	x 1 =	175
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	0	x 4 =	0
UPL species	10	x 5 =	50
Column Totals:	185 (A)		225 (B)

Prevalence Index = B/A = 1.22

Hydrophytic Vegetation Indicators:

____ 1 - Rapid Test for Hydrophytic Vegetation
X 2 - Dominance Test is >50%
X 3 - Prevalence Index is ≤3.0[1]
____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? **Yes** X **No** ____

Remarks:
Dense pneumataphores from mangrove species. Extremely dry wetland. Some dead sampling trees and Ardisia was wilting.

SOIL

Sampling Point: W2-Wet

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-2	10YR 2/1	100					Muck	Numerous fiberous roots.
2-11	10YR 6/1	60	5YR 6/8	30	D	M	Loamy/Clayey	With 10-15% scattered white calcium carbonate precipitates.

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Organic Bodies (A6)
- ___ 5 cm Mucky Mineral (A7)
- X Muck Presence (A8)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- X Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- X Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Stratified Layers (A5)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: ___

Depth (Inches): ___

Hydric Soil Present? **Yes** X **No** ___

Remarks:
Soil extremely dry. Obvious soil oxidation based on exposed tree roots.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- X Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Fiddler Crab Burrows (C10)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- X FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ___	No X	Depth (inches): ___
Water Table Present?	Yes ___	No X	Depth (inches): 12
Saturation Present? (includes capillary fringe)	Yes ___	No X	Depth (inches): ___

Wetland Hydrology Present? **Yes** X **No** ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
NA

Remarks:
Wetland was likely historically connected to Bechara Canal based on LiDAR DEM and presence of black mangrove. Wetland is now hydrologically isolated due to fill activities. Soils were extremely dry and there was wilting of transitional plants such as Ardisia sp. No evidence of recent inundation.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Caribbean Islands Region
See ERDC/EL TR-11-4; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Site A (Bechara) Municipality/Town: San Juan Sampling Date: 06/06/23

Applicant/Owner: Private land owner PR or USVI: PR Sampling Point: W3-Up

Investigator(s): Jim Surdick (Water and Air) and BJ Bukata (Jones Edmunds) Ward/Estate:

Landform (hillside, terrace, etc.): Terrace Local relief (concave, convex, none): Convex Slope (%): 1-2

Lat: 18 deg 25.0' 34.8" Long: 66 deg 5.0' 15.71" Datum:

Soil Map Unit Name: Hydraquents, Saline NWI classification: Estruarine and Marine Wetland

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation X , Soil ____ , or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____ , Soil ____ , or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** **Yes** ____ **No** X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	

Remarks:
West, south, and east sides of wetland were bound by construction and demolition debris and fill. U1 data collected in fill material adjacent to West, south, and east sides of wetland were bound by construction and demolition debris and fill. U1 data collected in fill material adjacent to wetland.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 10m)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Terminalia catappa*	30	Yes	FACU
2. *Leucaena leucocephala*	7	No	FACU
3. *Albizia procera*	3	No	UPL
4.			
5.			
	40	=Total Cover	
Sapling/Shrub Stratum (Plot size: 10m)			
1. *Ardisia elliptica*	70	Yes	UPL
2. *Leucaena leucocephala*	20	Yes	FACU
3. *Muntingia calabura*	10	No	FACU
4.			
5.			
	100	=Total Cover	
Herb Stratum (Plot size: 10m)			
1. *Acrostichum danaeifolium*	2	No	OBL
2. *Physalis angulata*	5	Yes	FAC
3. *Solanum torvum*	2	No	FACU
4. *Malachra alceifolia*	5	Yes	FAC
5. *Momordica charantia*	5	Yes	FAC
6.			
7.			
8.			
	19	=Total Cover	
Woody Vine Stratum (Plot size: 10m)			
1. *Paullinia pinnata*	20	Yes	FAC
2. *Cissus verticillata*	20	Yes	FAC
	40	=Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 62.5% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	2	x 1 =	2
FACW species	0	x 2 =	0
FAC species	55	x 3 =	165
FACU species	69	x 4 =	276
UPL species	73	x 5 =	365
Column Totals:	199 (A)		808 (B)
Prevalence Index = B/A =			4.06

Hydrophytic Vegetation Indicators:

____ 1 - Rapid Test for Hydrophytic Vegetation
X 2 - Dominance Test is >50%
____ 3 - Prevalence Index is ≤3.0[1]
____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? **Yes** X **No** ____

Remarks:

VEGETATION Continued – Use scientific names of plants.

Sampling Point: W3-Up

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
	40	=Total Cover	
Sapling/Shrub Stratum			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
	100	=Total Cover	
Herb Stratum			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
	19	=Total Cover	
Woody Vine Stratum			
3.			
4.			
5.			
6.			
7.			
	40	=Total Cover	

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Remarks:

SOIL

Sampling Point: W3-Up

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-7	10YR 7/2	90	10YR 6/8	10	D	M	Loamy/Clayey	Calcium precipitates at surface.
7-11	10YR 8/3	100					Loamy/Clayey	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Organic Bodies (A6)
- ___ 5 cm Mucky Mineral (A7)
- ___ Muck Presence (A8)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- X Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- X Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Stratified Layers (A5)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (Inches): _____

Hydric Soil Present? **Yes** X **No** ___

Remarks:
Extremely dry. Vegetation stressed.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Fiddler Crab Burrows (C10)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No X Depth (inches): ___

Water Table Present? Yes ___ No X Depth (inches): ___

Saturation Present? (includes capillary fringe) Yes ___ No X Depth (inches): ___

Wetland Hydrology Present? **Yes** ___ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
NA

Remarks:
None.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Caribbean Islands Region
See ERDC/EL TR-11-4; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Site A (Bechara) Municipality/Town: San Juan Sampling Date: 06/06/23

Applicant/Owner: Private land owner PR or USVI: PR Sampling Point: W3-Wet

Investigator(s): Jim Surdick (Water and Air) and BJ Bukata (Jones Edmunds) Ward/Estate:

Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): <1

Lat: 18 deg 25.0' 34.399" Long: 66 deg 5.0' 15.48" Datum:

Soil Map Unit Name: Hydraquents, Saline NWI classification: Estruarine and Marine Wetland

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology X significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** **Yes** X **No** ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	

Remarks:
Portions of wetland were distrubed from clearing with heavy equipment and filling. Wetland was likely historically connected to Bechara Canal due to presence of black mangrove but it is now hydrologically isolated due to fill activities.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 10m)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Laguncularia racemosa*	80	Yes	OBL
2. *Terminalia catappa*	15	No	FACU
3.			
4.			
5.			
	95	=Total Cover	
Sapling/Shrub Stratum (Plot size: 10m)			
1. *Terminalia catappa*	20	Yes	FACU
2. *Ardisia elliptica*	60	Yes	UPL
3. *Leucaena leucocephala*	3	No	FACU
4.			
5.			
	83	=Total Cover	
Herb Stratum (Plot size: 10m)			
1. *Acrostichum danaeifolium*	5	Yes	OBL
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	5	=Total Cover	
Woody Vine Stratum (Plot size: 10m)			
1. *Trichostigma octandrum*	15	Yes	FACU
2. *Paullinia pinnata*	5	Yes	FAC
	20	=Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	85	x 1 =	85
FACW species	0	x 2 =	0
FAC species	5	x 3 =	15
FACU species	53	x 4 =	212
UPL species	60	x 5 =	300
Column Totals:	203 (A)		612 (B)
Prevalence Index = B/A =			3.01

Hydrophytic Vegetation Indicators:

____ 1 - Rapid Test for Hydrophytic Vegetation
____ 2 - Dominance Test is >50%
____ 3 - Prevalence Index is ≤3.0[1]
____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? **Yes** X **No** ____

Remarks:
Vegetation transitioning to upland species likely due to loss of hydrology.

VEGETATION Continued – Use scientific names of plants. Sampling Point: W3-Wet

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
	95	=Total Cover	
Sapling/Shrub Stratum			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
	83	=Total Cover	
Herb Stratum			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
	5	=Total Cover	
Woody Vine Stratum			
3.			
4.			
5.			
6.			
7.			
	20	=Total Cover	

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Remarks:

SOIL

Sampling Point: W3-Wet

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-0.25	10YR 7/2	75	10YR 6/8	25	C	M	Loamy/Clayey	Numerous fiberous roots.
0.25-11	10YR 3/1	100					Loamy/Clayey	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Organic Bodies (A6)
- ___ 5 cm Mucky Mineral (A7)
- ___ Muck Presence (A8)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- X Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- X Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Stratified Layers (A5)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (Inches): _____

Hydric Soil Present? **Yes** X **No** ___

Remarks:

Soil extremely dry. Obvious soil oxidation based on exposed tree roots.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- X Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Fiddler Crab Burrows (C10)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ___	No X	Depth (inches): ___
Water Table Present?	Yes ___	No X	Depth (inches): 12
Saturation Present? (includes capillary fringe)	Yes ___	No X	Depth (inches): ___

Wetland Hydrology Present? **Yes** X **No** ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

NA

Remarks:

Wetland was likely historically connected to Bechara Canal based on LiDAR DEM and presence of black mangrove. Wetland is now hydrologically isolated due to fill activities. Soils were extremely dry and there was wilting of transitional plants such as Ardisia sp. No evidence of recent inundation.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Caribbean Islands Region
See ERDC/EL TR-11-4; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Site A (Bechara) Municipality/Town: San Juan Sampling Date: 06/07/23

Applicant/Owner: Private land owner PR or USVI: PR Sampling Point: W4-Up

Investigator(s): Jim Surdick (Water and Air) and BJ Bukata (Jones Edmunds) Ward/Estate:

Landform (hillside, terrace, etc.): Terrace Local relief (concave, convex, none): Convex Slope (%): 1-2

Lat: 18 deg 25.0' 39.994" Long: 66 deg 5.0' 16.102" Datum:

Soil Map Unit Name: Hydraquents, Saline NWI classification: Estruarine and Marine Wetland

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation X , Soil ____ , or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____ , Soil ____ , or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** **Yes** ____ **No** X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	

Remarks:
Widespread fill and distrubance with heavy equipment.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 10m)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Terminalia catappa*	30	Yes	FACU
2. *Leucaena leucocephala*	7	No	FACU
3. *Albizia procera*	3	No	UPL
4.			
5.			
	40	=Total Cover	
Sapling/Shrub Stratum (Plot size: 10m)			
1. *Ardisia elliptica*	70	Yes	UPL
2. *Leucaena leucocephala*	20	Yes	FACU
3. *Muntingia calabura*	10	No	FACU
4.			
5.			
	100	=Total Cover	
Herb Stratum (Plot size: 10m)			
1. *Acrostichum danaeifolium*	2	No	OBL
2. *Physalis angulata*	5	Yes	FAC
3. *Solanum torvum*	2	No	FACU
4. *Malachra alceifolia*	5	Yes	FAC
5. *Momordica charantia*	5	Yes	FAC
6.			
7.			
8.			
	19	=Total Cover	
Woody Vine Stratum (Plot size: 10m)			
1. *Paullinia pinnata*	15	Yes	FAC
2. *Cissus verticillata*	5	Yes	FAC
	20	=Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 62.5% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	2	x 1 =	2
FACW species	0	x 2 =	0
FAC species	35	x 3 =	105
FACU species	69	x 4 =	276
UPL species	73	x 5 =	365
Column Totals:	179 (A)		748 (B)
Prevalence Index = B/A =			4.18

Hydrophytic Vegetation Indicators:

____ 1 - Rapid Test for Hydrophytic Vegetation
X 2 - Dominance Test is >50%
____ 3 - Prevalence Index is ≤3.0[1]
____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? **Yes** X **No** ____

Remarks:

VEGETATION Continued – Use scientific names of plants.

Sampling Point: W4-Up

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
	40	=Total Cover	
Sapling/Shrub Stratum			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
	100	=Total Cover	
Herb Stratum			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
	19	=Total Cover	
Woody Vine Stratum			
3.			
4.			
5.			
6.			
7.			
	20	=Total Cover	

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Remarks:

SOIL

Sampling Point: W4-Up

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-9	10YR 6/3	95	10YR 4/2	5	D	M	Loamy/Clayey	
9-12	10YR 8/3							Lighter yellows loamy clay

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Organic Bodies (A6)
- ___ 5 cm Mucky Mineral (A7)
- ___ Muck Presence (A8)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Stratified Layers (A5)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (Inches): _____

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

Soil extremely dry. Widespread disturbance around sampling location.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Fiddler Crab Burrows (C10)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No X Depth (inches): ___

Water Table Present? Yes ___ No X Depth (inches): ___

Saturation Present? (includes capillary fringe) Yes ___ No X Depth (inches): ___

Wetland Hydrology Present? **Yes** ___ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

NA

Remarks:

None.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Caribbean Islands Region
See ERDC/EL TR-11-4; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Site A (Bechara) Municipality/Town: San Juan Sampling Date: 06/07/23

Applicant/Owner: Private land owner PR or USVI: PR Sampling Point: W4-Wet

Investigator(s): Jim Surdick (Water and Air) and BJ Bukata (Jones Edmunds) Ward/Estate:

Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): <1

Lat: 18 deg 25.0' 39.82" Long: 66 deg 5.0' 16.863" Datum:

Soil Map Unit Name: Hydraquents, Saline NWI classification: Estruarine and Marine Wetland

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology X significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** **Yes** X **No** ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	

Remarks:
Portions of wetland were distrubed from clearing with heavy equipment and filling.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 10m)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Laguncularia racemosa*	70	Yes	OBL
2. *Terminalia catappa*	25	Yes	FACU
3. *Roystonea borinquena*	5	No	FAC
4.			
5.			
	100	=Total Cover	
Sapling/Shrub Stratum (Plot size: 10m)			
1. *Terminalia catappa*	20	Yes	FACU
2. *Ardisia elliptica*	15	Yes	UPL
3. *Thespesia populnea*	5	No	FAC
4. *Muntingia calabura*	15	Yes	FACU
5. *Laguncularia racemosa*	20	Yes	OBL
	75	=Total Cover	
Herb Stratum (Plot size: 10m)			
1. *Acrostichum danaeifolium*	2	Yes	OBL
2. *Symphyotrichum divaricatum*	3	Yes	FACW
3.			
4.			
5.			
6.			
7.			
8.			
	5	=Total Cover	
Woody Vine Stratum (Plot size: 10m)			
1. *Trichostigma octandrum*	10	Yes	FACU
2. *Paullinia pinnata*	10	Yes	FAC
	20	=Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 10 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	92	x 1 =	92
FACW species	3	x 2 =	6
FAC species	20	x 3 =	60
FACU species	70	x 4 =	280
UPL species	15	x 5 =	75
Column Totals:	200 (A)		513 (B)
Prevalence Index = B/A =			2.57

Hydrophytic Vegetation Indicators:

____ 1 - Rapid Test for Hydrophytic Vegetation
____ 2 - Dominance Test is >50%
X 3 - Prevalence Index is ≤3.0[1]
____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? **Yes** X **No** ____

Remarks:
Vegetation transitioning to upland species likely due to loss of hydrology.

VEGETATION Continued – Use scientific names of plants. Sampling Point: W4-Wet

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
	100	=Total Cover	
Sapling/Shrub Stratum			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
	75	=Total Cover	
Herb Stratum			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
	5	=Total Cover	
Woody Vine Stratum			
3.			
4.			
5.			
6.			
7.			
	20	=Total Cover	

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Remarks:

SOIL

Sampling Point: W4-Wet

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-0.25	10YR 4/1	80	2.5YR 5/8	20	C	M	Loamy/Clayey	Redox concentrations
0.25-8	10YR 3/1	85	2.5YR 5/8	15	D	M	Loamy/Clayey	Redox concentrations
8-12	10YR 8/3	70	7.5YR 5/8	30	D	M	Loamy/Clayey	Redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Organic Bodies (A6)
- ___ 5 cm Mucky Mineral (A7)
- ___ Muck Presence (A8)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- X Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- X Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Stratified Layers (A5)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (Inches): _____

Hydric Soil Present? **Yes** X **No** ___

Remarks:

Soil extremely dry. Obvious soil oxidation based on exposed tree roots.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- X Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Fiddler Crab Burrows (C10)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No X Depth (inches): ___

Water Table Present? Yes ___ No X Depth (inches): ___

Saturation Present? Yes ___ No X Depth (inches): ___

(includes capillary fringe)

Wetland Hydrology Present? **Yes** X **No** ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

NA

Remarks:

Widespread filling and disturbance around wetland. Soils were extremely dry and there was wilting of transitional plants such as Ardisia sp. Soil cracking. No evidence of recent inundation.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Caribbean Islands Region
See ERDC/EL TR-11-4; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Site B (L. Munoz Park) Municipality/Town: San Juan Sampling Date: 06/04/23

Applicant/Owner: City of San Juan PR or USVI: PR Sampling Point: W1-Up

Investigator(s): Jim Surdick (Water and Air) and BJ Bukata (Jones Edmunds) Ward/Estate:

Landform (hillside, terrace, etc.): Terrace Local relief (concave, convex, none): Convex Slope (%): 1-3

Lat: 18 deg 24.0 45.675" Long: 66 deg 4.0' 22.61" Datum:

Soil Map Unit Name: Toa Silty Clay Loam NWI classification: Upland

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil X, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** **Yes** ____ **No** X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	

Remarks:
Upland is edge of popular park. Difficult to dig soil pit due to concrete, rocks, debris, etc. Widespread fill impacts along wetland edge resulting ins sharp drop off from old fill around much of wetland.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 10m)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Albizia procera*	20	Yes	UPL
2. *Tabebuia heterophylla*	5	No	UPL
3. *Terminalia catappa*	5	No	FACU
4.			
5.			
	30	=Total Cover	
Sapling/Shrub Stratum (Plot size: 10m)			
1. *Albizia procera*	4	Yes	UPL
2. *Terminalia catappa*	2	Yes	FACU
3.			
4.			
5.			
	6	=Total Cover	
Herb Stratum (Plot size: 10m)			
1. *Cenchrus purpureus*	30	Yes	FAC
2. *Albizia procera*	2	No	UPL
3. *Megathyrsus maximus*	5	No	FACU
4.			
5.			
6.			
7.			
8.			
	37	=Total Cover	
Woody Vine Stratum (Plot size: 10m)			
1. *Vigna luteola*	10	Yes	FAC
2. *Mikania odoratissima*	2	No	FAC
	17	=Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	47	x 3 =	141
FACU species	12	x 4 =	48
UPL species	31	x 5 =	155
Column Totals:	90 (A)		344 (B)
Prevalence Index = B/A =			3.82

Hydrophytic Vegetation Indicators:

____ 1 - Rapid Test for Hydrophytic Vegetation
____ 2 - Dominance Test is >50%
____ 3 - Prevalence Index is ≤3.0[1]
____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? **Yes** ____ **No** X

Remarks:
Disturbed upland area.

VEGETATION Continued – Use scientific names of plants. Sampling Point: W1-Up

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
	30	=Total Cover	
Sapling/Shrub Stratum			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
	6	=Total Cover	
Herb Stratum			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
	37	=Total Cover	
Woody Vine Stratum			
3. *Paullinia pinnata*	5	Yes	FAC
4.			
5.			
6.			
7.			
	17	=Total Cover	

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Remarks:

SOIL

Sampling Point: W1-Up

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR 4/6	100	10YR 5/8				Loamy/Clayey	Many small rocks.

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Organic Bodies (A6)
- ___ 5 cm Mucky Mineral (A7)
- ___ Muck Presence (A8)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- X Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- X Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Stratified Layers (A5)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (Inches): _____

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

Red parent material that is likely fill. Area is popular park with widespread fill impacts along wetland edge. Sharp drop off from old fill around much of wetland.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Fiddler Crab Burrows (C10)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No X Depth (inches): ___

Water Table Present? Yes ___ No X Depth (inches): ___

Saturation Present? (includes capillary fringe) Yes ___ No X Depth (inches): ___

Wetland Hydrology Present? **Yes** ___ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

NA

Remarks:

Upland sampling point.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Caribbean Islands Region
See ERDC/EL TR-11-4; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Site B (L. Munoz Park) Municipality/Town: San Juan Sampling Date: 06/04/23

Applicant/Owner: City of San Juan PR or USVI: PR Sampling Point: W1-Wet

Investigator(s): Jim Surdick (Water and Air) and BJ Bukata (Jones Edmunds) Ward/Estate:

Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): <1

Lat: 18 deg 24.0 45.670" Long: 66 deg 4.0' 22.41" Datum:

Soil Map Unit Name: Toa Silty Clay Loam NWI classification: Freshwater Forested/Shrub Wetland

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology X significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** **Yes** X **No** ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	

Remarks:
Sides of this wetland have been impacted by fill activities over the decades. Wetland connected to Rio Piedras via a drop inlet structure in northwest corner. Drop inlet structure contains two ~36" pipes. This drop inlet structure keep wetland water level fairly consistent.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 10m)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size: 10m)			
1.			
2.			
3.			
4.			
5.			
	=Total Cover		
Herb Stratum (Plot size: 10m)			
1. *Acrostichum danaeifolium*	4	No	OBL
2. *Cenchrus purpureus*	25	No	FAC
3. *Cyclosorus interruptus*	30	Yes	OBL
4. *Typha domingensis*	2	No	OBL
5. *Salvinia auriculata*	80	Yes	OBL
6.			
7.			
8.			
	141 =Total Cover		
Woody Vine Stratum (Plot size: 10m)			
1.			
2.			
	=Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	116	x 1 =	116
FACW species	0	x 2 =	0
FAC species	25	x 3 =	75
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	141 (A)		191 (B)
Prevalence Index = B/A =			1.35

Hydrophytic Vegetation Indicators:

____ 1 - Rapid Test for Hydrophytic Vegetation
X 2 - Dominance Test is >50%
X 3 - Prevalence Index is ≤3.0[1]
____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? **Yes** X **No** ____

Remarks:
None.

SOIL

Sampling Point: W1-Wet

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-6.5		75	10YR 5/8				Loamy/Clayey	Gley1 7/5G for matrix; Redox concentrations
6.5-9		70	10YR 6/8				Loamy/Clayey	Gley1 5/5G for matrix; With 20% Gley1 3/N.

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Organic Bodies (A6)
- ___ 5 cm Mucky Mineral (A7)
- ___ Muck Presence (A8)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- X Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- X Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Stratified Layers (A5)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: ___

Depth (Inches): ___

Hydric Soil Present? **Yes** X **No** ___

Remarks:
Dense loamy clay soil with strong blueish hues.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- X Surface Water (A1)
- ___ High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Fiddler Crab Burrows (C10)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- X FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes X	No ___	Depth (inches): 15
Water Table Present?	Yes X	No ___	Depth (inches): ___
Saturation Present? (includes capillary fringe)	Yes X	No ___	Depth (inches): ___

Wetland Hydrology Present? **Yes** X **No** ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
NA

Remarks:
Wetland connected to Rio Piedras via a drop inlet structure in northwest corner. Drop inlet structure contains two ~36" pipes. This drop inlet structure keep wetland water level fairly consistent.

APPENDIX E
JD FORMS

APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD):

B. DISTRICT OFFICE, FILE NAME, AND NUMBER:

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State:Puerto Rico County/parish/borough: San Juan City: San Juan
Center coordinates of site (lat/long in degree decimal format): Lat. 18.427343° **N**, Long. -66.089396° **W**.
Universal Transverse Mercator: 19Q 807441.770 2039926.372
Name of nearest waterbody: Rio Puerto Nuevo (Canal Bechara)
Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Rio Puerto Nuevo
Name of watershed or Hydrologic Unit Code (HUC): Eastern Puerto Rico (21010005)
☒ Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.
☐ Check if other sites (e.g., offsite mitigation sites, disposal sites, etc…) are associated with this action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

☒ Office (Desk) Determination. Date: 06/08/23
☒ Field Determination. Date(s): 06/08/23, wetlands were field delineated.

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There **Are no** "*navigable waters of the U.S.*" within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [*Required*]

☐ Waters subject to the ebb and flow of the tide.
☐ Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.
Explain: .

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There **Are** "*waters of the U.S.*" within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [*Required*]

1. **Waters of the U.S.**
   a. **Indicate presence of waters of U.S. in review area (check all that apply):** [1]
      ☐ TNWs, including territorial seas
      ☒ Wetlands adjacent to TNWs
      ☐ Relatively permanent waters[2] (RPWs) that flow directly or indirectly into TNWs
      ☒ Non-RPWs that flow directly or indirectly into TNWs
      ☐ Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
      ☐ Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs
      ☐ Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs
      ☐ Impoundments of jurisdictional waters
      ☐ Isolated (interstate or intrastate) waters, including isolated wetlands

   b. **Identify (estimate) size of waters of the U.S. in the review area:**
      Non-wetland waters: linear feet: width (ft) and/or acres.
      Wetlands: 11.4 acres.

   c. **Limits (boundaries) of jurisdiction** based on: **1987 Delineation Manual**
      Elevation of established OHWM (if known): .

2. **Non-regulated waters/wetlands (check if applicable):**[3]
   ☐ Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.
   Explain: .

[1] Boxes checked below shall be supported by completing the appropriate sections in Section III below.
[2] For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).
[3] Supporting documentation is presented in Section III.F.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW

Identify TNW: **Bechara Canal**.

Summarize rationale supporting determination: Bechara Canal is a navigable water.

2. Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is "adjacent": Wetland 1 has a direct hydrologic connection to Bechara Canal via a narrow ditch/swale.

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are "relatively permanent waters" (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody[4] is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions:

Watershed size: **Pick List**
Drainage area: **Pick List**
Average annual rainfall: inches
Average annual snowfall: inches

(ii) Physical Characteristics:

(a) Relationship with TNW:

☐ Tributary flows directly into TNW.
☐ Tributary flows through **Pick List** tributaries before entering TNW.

Project waters are **Pick List** river miles from TNW.
Project waters are **Pick List** river miles from RPW.
Project waters are **Pick List** aerial (straight) miles from TNW.
Project waters are **Pick List** aerial (straight) miles from RPW.
Project waters cross or serve as state boundaries. Explain: .

Identify flow route to TNW[5]: .

[4] Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

[5] Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

Tributary stream order, if known: .

(b) General Tributary Characteristics (check all that apply):

Tributary is: ☐ Natural
☐ Artificial (man-made). Explain: .
☐ Manipulated (man-altered). Explain: .

Tributary properties with respect to top of bank (estimate):
Average width: feet
Average depth: feet
Average side slopes: **Pick List.**

Primary tributary substrate composition (check all that apply):

☐ Silts	☐ Sands	☐ Concrete
☐ Cobbles	☐ Gravel	☐ Muck
☐ Bedrock	☐ Vegetation. Type/% cover:	
☐ Other. Explain: .		

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: .
Presence of run/riffle/pool complexes. Explain: .
Tributary geometry: **Pick List**
Tributary gradient (approximate average slope): %

(c) Flow:
Tributary provides for: **Pick List**
Estimate average number of flow events in review area/year: **Pick List**
Describe flow regime: .
Other information on duration and volume: .

Surface flow is: **Pick List.** Characteristics: .

Subsurface flow: **Pick List**. Explain findings: .
☐ Dye (or other) test performed: .

Tributary has (check all that apply):
☐ Bed and banks
☐ OHWM[6] (check all indicators that apply):

☐ clear, natural line impressed on the bank	☐ the presence of litter and debris
☐ changes in the character of soil	☐ destruction of terrestrial vegetation
☐ shelving	☐ the presence of wrack line
☐ vegetation matted down, bent, or absent	☐ sediment sorting
☐ leaf litter disturbed or washed away	☐ scour
☐ sediment deposition	☐ multiple observed or predicted flow events
☐ water staining	☐ abrupt change in plant community
☐ other (list):	

☐ Discontinuous OHWM.[7] Explain: .

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

☐ High Tide Line indicated by:	☐ Mean High Water Mark indicated by:
☐ oil or scum line along shore objects	☐ survey to available datum;
☐ fine shell or debris deposits (foreshore)	☐ physical markings;
☐ physical markings/characteristics	☐ vegetation lines/changes in vegetation types.
☐ tidal gauges	
☐ other (list):	

(iii) Chemical Characteristics:
Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
Explain: .
Identify specific pollutants, if known: .

[6]A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.
[7]Ibid.

(iv) Biological Characteristics. Channel supports (check all that apply):

- ☐ Riparian corridor. Characteristics (type, average width): .
- ☐ Wetland fringe. Characteristics: .
- ☐ Habitat for:
  - ☐ Federally Listed species. Explain findings: .
  - ☐ Fish/spawn areas. Explain findings: .
  - ☐ Other environmentally-sensitive species. Explain findings: .
  - ☐ Aquatic/wildlife diversity. Explain findings: .

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW

(i) Physical Characteristics:

(a) General Wetland Characteristics:

Properties:

Wetland size: acres

Wetland type. Explain: .

Wetland quality. Explain: .

Project wetlands cross or serve as state boundaries. Explain: .

(b) General Flow Relationship with Non-TNW:

Flow is: **Pick List**. Explain: .

Surface flow is**: Pick List**

Characteristics: .

Subsurface flow: **Pick List**. Explain findings: .

- ☐ Dye (or other) test performed: .

(c) Wetland Adjacency Determination with Non-TNW:

- ☐ Directly abutting
- ☐ Not directly abutting
  - ☐ Discrete wetland hydrologic connection. Explain: .
  - ☐ Ecological connection. Explain: .
  - ☐ Separated by berm/barrier. Explain: .

(d) Proximity (Relationship) to TNW

Project wetlands are **Pick List** river miles from TNW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Flow is from: **Pick List.**

Estimate approximate location of wetland as within the **Pick List** floodplain.

(ii) Chemical Characteristics:

Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain: .

Identify specific pollutants, if known: .

(iii) Biological Characteristics. Wetland supports (check all that apply):

- ☐ Riparian buffer. Characteristics (type, average width): .
- ☐ Vegetation type/percent cover. Explain: .
- ☐ Habitat for:
  - ☐ Federally Listed species. Explain findings: .
  - ☐ Fish/spawn areas. Explain findings: .
  - ☐ Other environmentally-sensitive species. Explain findings: .
  - ☐ Aquatic/wildlife diversity. Explain findings: .

3. Characteristics of all wetlands adjacent to the tributary (if any)

All wetland(s) being considered in the cumulative analysis: **Pick List**

Approximately ( ) acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N)	Size (in acres)	Directly abuts? (Y/N)	Size (in acres)

Summarize overall biological, chemical and physical functions being performed: .

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

1. **Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D: .

2. **Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D: .

3. **Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D: .

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:
   - ☐ TNWs: linear feet width (ft), Or, acres.
   - ☐ Wetlands adjacent to TNWs: acres.

2. **RPWs that flow directly or indirectly into TNWs.**
   - ☐ Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial: .
   - ☐ Tributaries of TNW where tributaries have continuous flow "seasonally" (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally: .

Provide estimates for jurisdictional waters in the review area (check all that apply):
☐ Tributary waters: linear feet width (ft).
☐ Other non-wetland waters: acres.
Identify type(s) of waters: .

3. **Non-RPWs[8] that flow directly or indirectly into TNWs.**
☐ Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional waters within the review area (check all that apply):
☐ Tributary waters: linear feet width (ft).
☐ Other non-wetland waters: acres.
Identify type(s) of waters: .

4. **Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.**
☐ Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.
☐ Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

☐ Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

5. **Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.**
☐ Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisidictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

6. **Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.**
☐ Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional wetlands in the review area: acres.

7. **Impoundments of jurisdictional waters.[9]**
As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.
☐ Demonstrate that impoundment was created from "waters of the U.S.," or
☐ Demonstrate that water meets the criteria for one of the categories presented above (1-6), or
☐ Demonstrate that water is isolated with a nexus to commerce (see E below).

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):[10]
☐ which are or could be used by interstate or foreign travelers for recreational or other purposes.
☐ from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.
☐ which are or could be used for industrial purposes by industries in interstate commerce.
☐ Interstate isolated waters. Explain: .
☐ Other factors. Explain: .

Identify water body and summarize rationale supporting determination: .

[8]See Footnote # 3.
[9] To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.
[10] Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA *Memorandum Regarding CWA Act Jurisdiction Following Rapanos.*

Provide estimates for jurisdictional waters in the review area (check all that apply):
☐ Tributary waters: linear feet width (ft).
☐ Other non-wetland waters: acres.
Identify type(s) of waters: .
☐ Wetlands: acres.

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):
☐ If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.
☐ Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.
☐ Prior to the Jan 2001 Supreme Court decision in "*SWANCC*," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR).
☐ Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain: .
☐ Other: (explain, if not covered above): .

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):
☐ Non-wetland waters (i.e., rivers, streams): linear feet width (ft).
☐ Lakes/ponds: acres.
☐ Other non-wetland waters: acres. List type of aquatic resource: .
☐ Wetlands: acres.

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (check all that apply):
☐ Non-wetland waters (i.e., rivers, streams): linear feet, width (ft).
☐ Lakes/ponds: acres.
☐ Other non-wetland waters: acres. List type of aquatic resource: .
☐ Wetlands: acres.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):
☐ Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: .
☒ Data sheets prepared/submitted by or on behalf of the applicant/consultant.
☐ Office concurs with data sheets/delineation report.
☐ Office does not concur with data sheets/delineation report.
☐ Data sheets prepared by the Corps: .
☐ Corps navigable waters' study: .
☐ U.S. Geological Survey Hydrologic Atlas: .
☐ USGS NHD data.
☐ USGS 8 and 12 digit HUC maps.
☐ U.S. Geological Survey map(s). Cite scale & quad name: .
☒ USDA Natural Resources Conservation Service Soil Survey. Citation: Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Web Soil Survey. Available online at the following link: http://websoilsurvey.sc.egov.usda.gov/. Accessed [04/day/2023]..
☒ National wetlands inventory map(s). Cite name:U.S. Fish & Wildlife Service (2018). National Wetlands Inventory. U.S. Fish & Wildlife Service.
☐ State/Local wetland inventory map(s): .
☐ FEMA/FIRM maps: .
☐ 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)
☐ Photographs: ☐ Aerial (Name & Date): .
or ☐ Other (Name & Date): .
☐ Previous determination(s). File no. and date of response letter: .
☐ Applicable/supporting case law: .
☐ Applicable/supporting scientific literature: .
☒ Other information (please specify):Wetlands were flagged in the field which confirm determination.

B. ADDITIONAL COMMENTS TO SUPPORT JD: .

APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD):

B. DISTRICT OFFICE, FILE NAME, AND NUMBER:

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State:Puerto Rico County/parish/borough: San Juan City: San Juan
Center coordinates of site (lat/long in degree decimal format): Lat. 18.427343° **N**, Long. -66.089396° **W**.
Universal Transverse Mercator: 19Q 807441.770 2039926.372
Name of nearest waterbody: Canal Bechara
Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Bechara Canal, Rio Puerto Nuevo
Name of watershed or Hydrologic Unit Code (HUC): Eastern Puerto Rico (21010005)
☒ Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.
☐ Check if other sites (e.g., offsite mitigation sites, disposal sites, etc…) are associated with this action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

☒ Office (Desk) Determination. Date: 06/08/23
☒ Field Determination. Date(s): 06/08/23, wetlands were field delineated.

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There **Are no** "*navigable waters of the U.S.*" within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [*Required*]

☐ Waters subject to the ebb and flow of the tide.
☐ Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.
Explain: .

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There **Are no** "*waters of the U.S.*" within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [*Required*]

1. **Waters of the U.S.**
   a. **Indicate presence of waters of U.S. in review area (check all that apply):** [1]
      ☐ TNWs, including territorial seas
      ☐ Wetlands adjacent to TNWs
      ☐ Relatively permanent waters[2] (RPWs) that flow directly or indirectly into TNWs
      ☐ Non-RPWs that flow directly or indirectly into TNWs
      ☐ Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
      ☐ Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs
      ☐ Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs
      ☐ Impoundments of jurisdictional waters
      ☐ Isolated (interstate or intrastate) waters, including isolated wetlands

   b. **Identify (estimate) size of waters of the U.S. in the review area:**
      Non-wetland waters: linear feet: width (ft) and/or 0.88 acres.
      Wetlands: 0.0 acres.

   c. **Limits (boundaries) of jurisdiction** based on: **1987 Delineation Manual**
      Elevation of established OHWM (if known): .

2. **Non-regulated waters/wetlands (check if applicable):**[3]
   ☒ Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.
   Explain: **Wetlands 2-4 are hydrologically isolated. They have no direct or indirect hydrologic connection to Bechara Canal or Puerto Rio Nuevo which are the closest WOTUS features**.

[1] Boxes checked below shall be supported by completing the appropriate sections in Section III below.
[2] For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).
[3] Supporting documentation is presented in Section III.F.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW

Identify TNW: **Bechara Canal or Rio Puerto Nuevo**.

Summarize rationale supporting determination: Bechara Canal is a navigable water.

2. Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is "adjacent": Wetland 1 has a direct hydrologic connection to Bechara Canal via a narrow ditch/swale.

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are "relatively permanent waters" (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody[4] is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions:

Watershed size: **Pick List**
Drainage area: **Pick List**
Average annual rainfall: inches
Average annual snowfall: inches

(ii) Physical Characteristics:

(a) Relationship with TNW:

☐ Tributary flows directly into TNW.
☐ Tributary flows through **Pick List** tributaries before entering TNW.

Project waters are **Pick List** river miles from TNW.
Project waters are **Pick List** river miles from RPW.
Project waters are **Pick List** aerial (straight) miles from TNW.
Project waters are **Pick List** aerial (straight) miles from RPW.
Project waters cross or serve as state boundaries. Explain: .

Identify flow route to TNW[5]: .

[4] Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

[5] Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

Tributary stream order, if known: .

(b) General Tributary Characteristics (check all that apply):

Tributary is: ☐ Natural
☐ Artificial (man-made). Explain: .
☐ Manipulated (man-altered). Explain: .

Tributary properties with respect to top of bank (estimate):
Average width: feet
Average depth: feet
Average side slopes: **Pick List.**

Primary tributary substrate composition (check all that apply):

☐ Silts	☐ Sands	☐ Concrete
☐ Cobbles	☐ Gravel	☐ Muck
☐ Bedrock	☐ Vegetation. Type/% cover:	
☐ Other. Explain: .		

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: .
Presence of run/riffle/pool complexes. Explain: .
Tributary geometry: **Pick List**
Tributary gradient (approximate average slope): %

(c) Flow:
Tributary provides for: **Pick List**
Estimate average number of flow events in review area/year: **Pick List**
Describe flow regime: .
Other information on duration and volume: .

Surface flow is: **Pick List.** Characteristics: .

Subsurface flow: **Pick List**. Explain findings: .
☐ Dye (or other) test performed: .

Tributary has (check all that apply):
☐ Bed and banks
☐ OHWM[6] (check all indicators that apply):

☐ clear, natural line impressed on the bank	☐ the presence of litter and debris
☐ changes in the character of soil	☐ destruction of terrestrial vegetation
☐ shelving	☐ the presence of wrack line
☐ vegetation matted down, bent, or absent	☐ sediment sorting
☐ leaf litter disturbed or washed away	☐ scour
☐ sediment deposition	☐ multiple observed or predicted flow events
☐ water staining	☐ abrupt change in plant community
☐ other (list):	

☐ Discontinuous OHWM.[7] Explain: .

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

☐ High Tide Line indicated by:	☐ Mean High Water Mark indicated by:
☐ oil or scum line along shore objects	☐ survey to available datum;
☐ fine shell or debris deposits (foreshore)	☐ physical markings;
☐ physical markings/characteristics	☐ vegetation lines/changes in vegetation types.
☐ tidal gauges	
☐ other (list):	

(iii) Chemical Characteristics:
Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
Explain: .
Identify specific pollutants, if known: .

[6]A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.
[7]Ibid.

(iv) Biological Characteristics. Channel supports (check all that apply):

- ☐ Riparian corridor. Characteristics (type, average width): .
- ☐ Wetland fringe. Characteristics: .
- ☐ Habitat for:
  - ☐ Federally Listed species. Explain findings: .
  - ☐ Fish/spawn areas. Explain findings: .
  - ☐ Other environmentally-sensitive species. Explain findings: .
  - ☐ Aquatic/wildlife diversity. Explain findings: .

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW

(i) Physical Characteristics:

(a) General Wetland Characteristics:

Properties:

Wetland size: acres

Wetland type. Explain: .

Wetland quality. Explain: .

Project wetlands cross or serve as state boundaries. Explain: .

(b) General Flow Relationship with Non-TNW:

Flow is: **Pick List**. Explain: .

Surface flow is**: Pick List**

Characteristics: .

Subsurface flow: **Pick List**. Explain findings: .

- ☐ Dye (or other) test performed: .

(c) Wetland Adjacency Determination with Non-TNW:

- ☐ Directly abutting
- ☐ Not directly abutting
  - ☐ Discrete wetland hydrologic connection. Explain: .
  - ☐ Ecological connection. Explain: .
  - ☐ Separated by berm/barrier. Explain: .

(d) Proximity (Relationship) to TNW

Project wetlands are **Pick List** river miles from TNW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Flow is from: **Pick List.**

Estimate approximate location of wetland as within the **Pick List** floodplain.

(ii) Chemical Characteristics:

Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain: .

Identify specific pollutants, if known: .

(iii) Biological Characteristics. Wetland supports (check all that apply):

- ☐ Riparian buffer. Characteristics (type, average width): .
- ☐ Vegetation type/percent cover. Explain: .
- ☐ Habitat for:
  - ☐ Federally Listed species. Explain findings: .
  - ☐ Fish/spawn areas. Explain findings: .
  - ☐ Other environmentally-sensitive species. Explain findings: .
  - ☐ Aquatic/wildlife diversity. Explain findings: .

3. Characteristics of all wetlands adjacent to the tributary (if any)

All wetland(s) being considered in the cumulative analysis: **Pick List**

Approximately ( ) acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N)	Size (in acres)	Directly abuts? (Y/N)	Size (in acres)

Summarize overall biological, chemical and physical functions being performed: .

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

1. **Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D: .

2. **Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D: .

3. **Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D: .

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:
   - ☐ TNWs: linear feet width (ft), Or, acres.
   - ☐ Wetlands adjacent to TNWs: acres.

2. **RPWs that flow directly or indirectly into TNWs.**
   - ☐ Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial: .
   - ☐ Tributaries of TNW where tributaries have continuous flow "seasonally" (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally: .

Provide estimates for jurisdictional waters in the review area (check all that apply):
☐ Tributary waters: linear feet width (ft).
☐ Other non-wetland waters: acres.
Identify type(s) of waters: .

3. **Non-RPWs[8] that flow directly or indirectly into TNWs.**
☐ Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional waters within the review area (check all that apply):
☐ Tributary waters: linear feet width (ft).
☐ Other non-wetland waters: acres.
Identify type(s) of waters: .

4. **Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.**
☐ Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.
☐ Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

☐ Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

5. **Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.**
☐ Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisidictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

6. **Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.**
☐ Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional wetlands in the review area: acres.

7. **Impoundments of jurisdictional waters.[9]**
As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.
☐ Demonstrate that impoundment was created from "waters of the U.S.," or
☐ Demonstrate that water meets the criteria for one of the categories presented above (1-6), or
☐ Demonstrate that water is isolated with a nexus to commerce (see E below).

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):[10]
☐ which are or could be used by interstate or foreign travelers for recreational or other purposes.
☐ from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.
☐ which are or could be used for industrial purposes by industries in interstate commerce.
☐ Interstate isolated waters. Explain: .
☐ Other factors. Explain: .

Identify water body and summarize rationale supporting determination: .

[8]See Footnote # 3.
[9] To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.
[10] Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA *Memorandum Regarding CWA Act Jurisdiction Following Rapanos.*

Provide estimates for jurisdictional waters in the review area (check all that apply):
☐ Tributary waters: linear feet width (ft).
☐ Other non-wetland waters: acres.
Identify type(s) of waters: .
☐ Wetlands: acres.

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):
☐ If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.
☒ Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.
☐ Prior to the Jan 2001 Supreme Court decision in "*SWANCC*," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR).
☒ Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain:**See B2.**
☐ Other: (explain, if not covered above): .

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):
☐ Non-wetland waters (i.e., rivers, streams): linear feet width (ft).
☐ Lakes/ponds: acres.
☐ Other non-wetland waters: acres. List type of aquatic resource: .
☐ Wetlands: acres.

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (check all that apply):
☐ Non-wetland waters (i.e., rivers, streams): linear feet, width (ft).
☐ Lakes/ponds: acres.
☐ Other non-wetland waters: acres. List type of aquatic resource: .
☒ Wetlands: 0.88acres.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):
☐ Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: .
☒ Data sheets prepared/submitted by or on behalf of the applicant/consultant.
☐ Office concurs with data sheets/delineation report.
☐ Office does not concur with data sheets/delineation report.
☐ Data sheets prepared by the Corps: .
☐ Corps navigable waters' study: .
☐ U.S. Geological Survey Hydrologic Atlas: .
☐ USGS NHD data.
☐ USGS 8 and 12 digit HUC maps.
☐ U.S. Geological Survey map(s). Cite scale & quad name: .
☒ USDA Natural Resources Conservation Service Soil Survey. Citation: Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Web Soil Survey. Available online at the following link: http://websoilsurvey.sc.egov.usda.gov/. Accessed [04/day/2023]..
☒ National wetlands inventory map(s). Cite name:U.S. Fish & Wildlife Service (2018). National Wetlands Inventory. U.S. Fish & Wildlife Service.
☐ State/Local wetland inventory map(s): .
☐ FEMA/FIRM maps: .
☐ 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)
☐ Photographs: ☐ Aerial (Name & Date): .
or ☐ Other (Name & Date): .
☐ Previous determination(s). File no. and date of response letter: .
☐ Applicable/supporting case law: .
☐ Applicable/supporting scientific literature: .
☒ Other information (please specify):Wetlands were flagged in the field which confirm determination.

B. ADDITIONAL COMMENTS TO SUPPORT JD: See B2..

APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD):

B. DISTRICT OFFICE, FILE NAME, AND NUMBER:

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State:Puerto Rico County/parish/borough: San Juan City: San Juan
Center coordinates of site (lat/long in degree decimal format): Lat. 18.413716° **N**, Long. -66.073567° **W**.
Universal Transverse Mercator: 19Q 809196.764 2038454.720
Name of nearest waterbody: Rio Piedras
Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Rio Piedras
Name of watershed or Hydrologic Unit Code (HUC): Eastern Puerto Rico (21010005)
☐ Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.
☐ Check if other sites (e.g., offsite mitigation sites, disposal sites, etc…) are associated with this action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

☒ Office (Desk) Determination. Date: 06/08/23
☒ Field Determination. Date(s): 06/07/23

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There **Are no** "*navigable waters of the U.S.*" within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [*Required*]

☐ Waters subject to the ebb and flow of the tide.
☐ Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.
Explain: .

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There **Are no** "*waters of the U.S.*" within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [*Required*]

1. **Waters of the U.S.**
   a. **Indicate presence of waters of U.S. in review area (check all that apply):** [1]
      ☐ TNWs, including territorial seas
      ☐ Wetlands adjacent to TNWs
      ☐ Relatively permanent waters[2] (RPWs) that flow directly or indirectly into TNWs
      ☐ Non-RPWs that flow directly or indirectly into TNWs
      ☐ Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
      ☐ Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs
      ☐ Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs
      ☐ Impoundments of jurisdictional waters
      ☐ Isolated (interstate or intrastate) waters, including isolated wetlands

   b. **Identify (estimate) size of waters of the U.S. in the review area:**
      Non-wetland waters: linear feet: width (ft) and/or acres.
      Wetlands: acres.

   c. **Limits (boundaries) of jurisdiction** based on: **1987 Delineation Manual**
      Elevation of established OHWM (if known): .

2. **Non-regulated waters/wetlands (check if applicable):**[3]
   ☒ Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.
   Explain: **The feature in question, Wetland 1 is a man-made feature that contains hydrophytic vegetation and hydric soils but was constructed wholly within uplands based on historic aerial imagery. It can discharge to a TNW to the west but only via man-made structure and ditch that was also constructed wholly witihin uplands.**.

[1] Boxes checked below shall be supported by completing the appropriate sections in Section III below.
[2] For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).
[3] Supporting documentation is presented in Section III.F.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW
Identify TNW: .

Summarize rationale supporting determination: .

2. Wetland adjacent to TNW
Summarize rationale supporting conclusion that wetland is "adjacent": .

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are "relatively permanent waters" (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody[4] is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions:
Watershed size: **Pick List**
Drainage area: **Pick List**
Average annual rainfall: inches
Average annual snowfall: inches

(ii) Physical Characteristics:
(a) Relationship with TNW:
☐ Tributary flows directly into TNW.
☐ Tributary flows through **Pick List** tributaries before entering TNW.

Project waters are **Pick List** river miles from TNW.
Project waters are **Pick List** river miles from RPW.
Project waters are **Pick List** aerial (straight) miles from TNW.
Project waters are **Pick List** aerial (straight) miles from RPW.
Project waters cross or serve as state boundaries. Explain: .

Identify flow route to TNW[5]: .
Tributary stream order, if known: .

[4] Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.
[5] Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

(b) General Tributary Characteristics (check all that apply):

Tributary is: ☐ Natural
☐ Artificial (man-made). Explain: .
☐ Manipulated (man-altered). Explain: .

Tributary properties with respect to top of bank (estimate):
Average width: feet
Average depth: feet
Average side slopes: **Pick List.**

Primary tributary substrate composition (check all that apply):

☐ Silts	☐ Sands	☐ Concrete
☐ Cobbles	☐ Gravel	☐ Muck
☐ Bedrock	☐ Vegetation. Type/% cover:	
☐ Other. Explain: .		

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: .
Presence of run/riffle/pool complexes. Explain: .
Tributary geometry: **Pick List**
Tributary gradient (approximate average slope): %

(c) Flow:
Tributary provides for: **Pick List**
Estimate average number of flow events in review area/year: **Pick List**
Describe flow regime: .
Other information on duration and volume: .

Surface flow is: **Pick List.** Characteristics: .

Subsurface flow: **Pick List**. Explain findings: .
☐ Dye (or other) test performed: .

Tributary has (check all that apply):
☐ Bed and banks
☐ OHWM[6] (check all indicators that apply):

☐ clear, natural line impressed on the bank	☐ the presence of litter and debris
☐ changes in the character of soil	☐ destruction of terrestrial vegetation
☐ shelving	☐ the presence of wrack line
☐ vegetation matted down, bent, or absent	☐ sediment sorting
☐ leaf litter disturbed or washed away	☐ scour
☐ sediment deposition	☐ multiple observed or predicted flow events
☐ water staining	☐ abrupt change in plant community
☐ other (list):	

☐ Discontinuous OHWM.[7] Explain: .

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

☐ High Tide Line indicated by:	☐ Mean High Water Mark indicated by:
☐ oil or scum line along shore objects	☐ survey to available datum;
☐ fine shell or debris deposits (foreshore)	☐ physical markings;
☐ physical markings/characteristics	☐ vegetation lines/changes in vegetation types.
☐ tidal gauges	
☐ other (list):	

(iii) Chemical Characteristics:
Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
Explain: .
Identify specific pollutants, if known: .

[6]A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.
[7]Ibid.

(iv) Biological Characteristics. Channel supports (check all that apply):

- ☐ Riparian corridor. Characteristics (type, average width): .
- ☐ Wetland fringe. Characteristics: .
- ☐ Habitat for:
  - ☐ Federally Listed species. Explain findings: .
  - ☐ Fish/spawn areas. Explain findings: .
  - ☐ Other environmentally-sensitive species. Explain findings: .
  - ☐ Aquatic/wildlife diversity. Explain findings: .

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW

(i) Physical Characteristics:

(a) General Wetland Characteristics:

Properties:

Wetland size: acres

Wetland type. Explain: .

Wetland quality. Explain: .

Project wetlands cross or serve as state boundaries. Explain: .

(b) General Flow Relationship with Non-TNW:

Flow is: **Pick List**. Explain: .

Surface flow is**: Pick List**

Characteristics: .

Subsurface flow: **Pick List**. Explain findings: .

- ☐ Dye (or other) test performed: .

(c) Wetland Adjacency Determination with Non-TNW:

- ☐ Directly abutting
- ☐ Not directly abutting
  - ☐ Discrete wetland hydrologic connection. Explain: .
  - ☐ Ecological connection. Explain: .
  - ☐ Separated by berm/barrier. Explain: .

(d) Proximity (Relationship) to TNW

Project wetlands are **Pick List** river miles from TNW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Flow is from: **Pick List.**

Estimate approximate location of wetland as within the **Pick List** floodplain.

(ii) Chemical Characteristics:

Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain: .

Identify specific pollutants, if known: .

(iii) Biological Characteristics. Wetland supports (check all that apply):

- ☐ Riparian buffer. Characteristics (type, average width): .
- ☐ Vegetation type/percent cover. Explain: .
- ☐ Habitat for:
  - ☐ Federally Listed species. Explain findings: .
  - ☐ Fish/spawn areas. Explain findings: .
  - ☐ Other environmentally-sensitive species. Explain findings: .
  - ☐ Aquatic/wildlife diversity. Explain findings: .

3. Characteristics of all wetlands adjacent to the tributary (if any)

All wetland(s) being considered in the cumulative analysis: **Pick List**

Approximately ( ) acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N)	Size (in acres)	Directly abuts? (Y/N)	Size (in acres)

Summarize overall biological, chemical and physical functions being performed: .

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

1. **Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D: .

2. **Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D: .

3. **Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D: .

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:
   - ☐ TNWs: linear feet width (ft), Or, acres.
   - ☐ Wetlands adjacent to TNWs: acres.

2. **RPWs that flow directly or indirectly into TNWs.**
   - ☐ Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial: .
   - ☐ Tributaries of TNW where tributaries have continuous flow "seasonally" (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally: .

Provide estimates for jurisdictional waters in the review area (check all that apply):
☐ Tributary waters: linear feet width (ft).
☐ Other non-wetland waters: acres.
Identify type(s) of waters: .

3. **Non-RPWs[8] that flow directly or indirectly into TNWs.**
☐ Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional waters within the review area (check all that apply):
☐ Tributary waters: linear feet width (ft).
☐ Other non-wetland waters: acres.
Identify type(s) of waters: .

4. **Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.**
☐ Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.
☐ Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

☐ Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

5. **Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.**
☐ Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisidictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

6. **Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.**
☐ Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional wetlands in the review area: acres.

7. **Impoundments of jurisdictional waters.[9]**
As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.
☐ Demonstrate that impoundment was created from "waters of the U.S.," or
☐ Demonstrate that water meets the criteria for one of the categories presented above (1-6), or
☐ Demonstrate that water is isolated with a nexus to commerce (see E below).

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):[10]
☐ which are or could be used by interstate or foreign travelers for recreational or other purposes.
☐ from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.
☐ which are or could be used for industrial purposes by industries in interstate commerce.
☐ Interstate isolated waters. Explain: .
☐ Other factors. Explain: .

Identify water body and summarize rationale supporting determination: .

[8]See Footnote # 3.
[9] To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.
[10] Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA *Memorandum Regarding CWA Act Jurisdiction Following Rapanos.*

Provide estimates for jurisdictional waters in the review area (check all that apply):
☐ Tributary waters: linear feet width (ft).
☐ Other non-wetland waters: acres.
Identify type(s) of waters: .
☐ Wetlands: acres.

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):
☐ If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.
☒ Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.
☐ Prior to the Jan 2001 Supreme Court decision in "*SWANCC*," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR).
☒ Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain: .
☒ Other: (explain, if not covered above): **Feature (Wetland 1) is man-made excavated solely in uplands based on historic aerial imagery.**

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):
☐ Non-wetland waters (i.e., rivers, streams): linear feet width (ft).
☐ Lakes/ponds: acres.
☐ Other non-wetland waters: acres. List type of aquatic resource: .
☐ Wetlands: acres.

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (check all that apply):
☐ Non-wetland waters (i.e., rivers, streams): linear feet, width (ft).
☐ Lakes/ponds: acres.
☐ Other non-wetland waters: acres. List type of aquatic resource: .
☐ Wetlands: acres.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):
☒ Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: .
☒ Data sheets prepared/submitted by or on behalf of the applicant/consultant.
☐ Office concurs with data sheets/delineation report.
☐ Office does not concur with data sheets/delineation report.
☐ Data sheets prepared by the Corps: .
☐ Corps navigable waters' study: .
☐ U.S. Geological Survey Hydrologic Atlas: .
☐ USGS NHD data.
☐ USGS 8 and 12 digit HUC maps.
☐ U.S. Geological Survey map(s). Cite scale & quad name: .
☒ USDA Natural Resources Conservation Service Soil Survey. Citation:Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Web Soil Survey. Available online at the following link: http://websoilsurvey.sc.egov.usda.gov/. Accessed [04/day/2023]..
☒ National wetlands inventory map(s). Cite name:U.S. Fish & Wildlife Service (2018). National Wetlands Inventory. U.S. Fish & Wildlife Service.
☐ State/Local wetland inventory map(s): .
☐ FEMA/FIRM maps: .
☐ 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)
☒ Photographs: ☒ Aerial (Name & Date):1983 and 2004.
or ☐ Other (Name & Date): .
☐ Previous determination(s). File no. and date of response letter: .
☐ Applicable/supporting case law: .
☐ Applicable/supporting scientific literature: .
☐ Other information (please specify):Site was delineated in June 2023 and and man-made drop inlet structure was observed and photographed.

B. ADDITIONAL COMMENTS TO SUPPORT JD:

FINAL PHASE I ENVIRONMENTAL SITE ASSESSMENT

BECHARA MMA
RIO PUERTO NUEVO
SAN JUAN, PUERTO RICO

PREPARED BY:

Aerostar Environmental and Construction LLC
3550 St. Johns Bluff Road South
Jacksonville, Florida 32224
904-565-2820

PREPARED FOR:

U.S. Army Corps of Engineers
Jacksonville District
701 San Marco Boulevard
Jacksonville, Florida 32207

Aerostar Project Number:

1RC01.1078.0001.05

November 2024

TABLE OF CONTENTS

GENERAL INFORMATION 1
Environmental Professional Certification 1
1.0 EXECUTIVE SUMMARY 2
1.1 Findings and Opinions 3
1.2 Conclusions 5
1.3 Recommendations 6
2.0 SUBJECT PROPERTY DESCRIPTION 7
2.1 Location 7
2.2 Environmental Liens and Activity and Use Limitations 7
2.3 Physical Setting 7
2.4 Subject Property and Vicinity Characteristics 7
2.5 Description of Subject Property Structures and Improvements 8
2.6 Current Uses of the Subject Property 8
3.0 HISTORICAL USE INFORMATION 9
3.1 Historical Background 9
3.1.1 Aerial Photographs 10
3.1.2 Topographic Maps 14
3.1.3 Sanborn Maps 16
3.1.4 City Directories 16
3.1.5 Review of Environmental Reports or Investigations 17
4.0 REGULATORY DATABASE LISTINGS 20
4.1 Standard Environmental Record Sources 20
4.2 Summary of Database Hits 21
4.3 Area Reconnaissance/Unmapped Facilities 21
4.4 Other Databases 22
5.0 LOCAL AGENCY RECORDS 23
6.0 SITE RECONNAISSANCE 24
6.1 Methodology 24
6.2 On-site Reconnaissance 24
6.2.1 Subject Property Operations, Processes and Equipment 24
6.2.2 Aboveground Chemical or Waste Storage 24
6.2.3 Underground Chemical or Waste Storage, Drainage or Collection Systems 25
6.2.4 Electrical Transformers/PCBs 25
6.2.5 Releases or Potential Releases 25
6.2.6 Other Notable Features 26
7.0 INTERVIEWS 27
7.1 Interview with Subject Property Owner 27
7.2 Interview with Subject Property Manager 27
7.3 Interviews with Occupants 27
7.4 Interviews with Government Officials 27
7.5 Interviews with Others 28
8.0 OFF-SITE RECONNAISSANCE 29
9.0 PRODUCT INFORMATION 30
9.1 Purpose 30
9.2 Scope of Work 30
9.2.1 Records Review 30
9.2.2 Site Reconnaissance 31
9.2.3 Interviews 31
9.2.4 Report Preparation 31

9.3 Vapor Intrusion 31
9.4 Limitations 32
9.4.1 Data Gaps 32
9.5 Special Terms and Conditions 33
9.6 User Reliance 33
10.0 USER PROVIDED INFORMATION 34
10.1 Title Records 34
10.2 Environmental Liens or Activity and Use Limitations 34
10.3 Specialized Knowledge 34
10.4 Commonly Known or Reasonably Ascertainable Information 34
10.5 Valuation Reduction for Environmental Issues 34
10.6 Owner, Property Manager, and Occupant Information 34
10.7 Reason for Performing Phase I ESA 34
10.8 Degree of Obviousness 34
10.9 Other 34
11.0 NON-ASTM SCOPE ITEMS 35

APPENDIXES

APPENDIX A	Subject Property Photographs
APPENDIX B	Subject Property Maps
APPENDIX C	Property Record Information
APPENDIX D	Historical References Documentation
APPENDIX E	Regulatory Database Report and Regulatory Records
APPENDIX F	Supporting Documentation
APPENDIX G	Qualifications of Assessors

LIST OF ACRONYMS AND ABBREVIATIONS

--	Not Observed
Aerostar	Aerostar Environmental and Construction LLC
amsl	Above Mean Sea Level
AST	Aboveground Storage Tank
ASTM	ASTM International
BLS	Below Land Surface
BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DRO	Diesel Range Organics
EA	Environmental Assessment
ECHO	Enforcement and Compliance History Online
EDR	Environmental Data Resources, Inc.
EPA	Environmental Protection Agency
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
GRO	Gasoline Range Organics
IC/EC	Institutional Controls/Engineering Controls
LUST	Leaking Underground Storage Tank
MCL	Maximum Contaminant Level
mg/kg	Milligrams Per Kilogram
MMA	Material Management Area
NA	Not Applicable
NFRAP	No Further Remedial Action Planned
NPL	National Priority List
ORO	Oil Range Organics
PAH	Polycyclic Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
PFAS	Per- and Polyfluoroalkyl Substances
PMT	Pole-Mounted Transformer
RCRA	Resource Conservation and Recovery Act
RE#	Real Estate Number
REC	Recognized Environmental Condition
RSL	Regional Screening Levels
RWWTP	Regional Wastewater Treatment Plant
SEMS	Superfund Enterprise Management System
SVOC	Semi-volatile Organic Compounds
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSD	Treatment, Storage and Disposal
ug/L	Micrograms Per Liter
USACE	U.S. Army Corps of Engineers
USGS	United States Geological Survey
UST	Underground Storage Tank
VOA	Volatile Organic Aromatics
VOC	Volatile Organic Compounds

GENERAL INFORMATION

Project / Subject Property Information:
Bechara MMA
Rio Puerto Nuevo
San Juan, Puerto Rico
Lat/Long: 18.4275070/-66.0891890
Site Access Contact: U.S. Army Corps of Engineers

Client Information:
U.S. Army Corps of Engineers
Jacksonville District
701 San Marco Boulevard
Jacksonville, Florida 32207

Consultant Information:
Aerostar Environmental and Construction LLC
3550 St. Johns Bluff Road South
Jacksonville, Florida 32224
Phone: 904-565-2820
Email: fredway@bbch-llc.com
Inspection Date: 7/26/2024 and 10/16/2024

User Information:
Not Applicable, the Client is the User

Site Assessor: Kevin Ashman

Kevin Ashman, P.G.
Geologist

Project Manager:

Frank Redway
Senior Program Manager

Environmental Professional Certification

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 312.10 of 40 C.F.R. § 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 C.F.R. Part 312.

Kevin Ashman

Kevin Ashman, P.G.
Geologist
Date Signed: November 5, 2024

1.0 EXECUTIVE SUMMARY

Aerostar Environmental and Construction LLC (Aerostar) has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Standard E1527-21 of the Bechara Material Management Area (MMA) property, located along Calle Principal and the John F. Kennedy Expressway in San Juan, Puerto Rico; hereafter referred to as the subject property. Any exceptions to, or deletions from, this practice are described in Section 9 of this report. The Executive Summary serves as a summary of this report and presents the significant findings and conclusions of this assessment. The Executive Summary should not be considered a stand-alone document and must be evaluated in conjunction with the discussions, supporting documentation, and limitations within this ESA report.

Aerostar conducted the reconnaissance of the subject property on July 26, 2024. The subject property consisted of approximately 72 acres of primarily undeveloped, wooded and low-lying land. A car wash and paved storage lot partially encroach onto the northeastern portion of the subject property, and a junkyard partially encroaches onto the southwestern portion of the subject property. An access road (Calle Principal) transects the central portion of the subject property. The access road appears to have been constructed using asphalt aggregate. An overhead powerline easement is located along the southeastern property boundary.

During the inspection of the subject property, no evidence of the use, storage, disposal, or generation of hazardous substances and petroleum products was observed. Miscellaneous trash and debris, such as pieces of concrete, metal, plastic, glass, tires, entire glass bottles, and plastic containers, were observed in multiple locations at the property. Crumpled and pieces of rusted 55-gallon drums were observed on the northwestern portion of the subject property along the present-day access road (Calle Principal) and in the vicinity of the former access road to the John F. Kennedy Expressway. A few 55-gallon drums, which appeared to be empty, were also observed on the southwestern portion of the subject property in the vicinity of the junkyard. Remnants of soil berms, associated with a historical shooting range, were observed on the northeastern portion of the subject property. On-site concerns were noted from the wide-spread evidence of dumping at the property. On-site and off-site concerns were noted from the junkyard facility. On-site concerns were noted from the former suspected shooting range.

Historical resources were available from 1941 until the present. In summary, the subject property was predominantly low-lying land in the 1940s and 1950s and has since been filled in at several locations throughout the property. The northwestern half of the property has predominantly been wooded and/or low-lying land since at least 1960s. The southeastern half of the property was predominantly cleared land from at least 1967 to at least 1974 and has consisted of wooded, low-lying, and/or cleared land since at least 1981. Powerline easements have transected the property since at least 1941. An access road, which ran from the northwest to the southeast, previously transected the central portion of the property from at least the 1960s to at least the 1980s. Another access road (Calle Principal), which runs from the northeast to the southwest, has transected the central portion of the property since at least 1967. Cleared land/material staging area (1967), suspected residences (1981-1995), and a junkyard (2016-present) were visible on the southwestern portion. A paved lot has been visible on the northeastern portion since at least 2003. Staged materials were visible along the fringes of the access road in 2003. A suspected shooting range was visible on the northeastern portion in 2004. The following concerns were noted in the historical resources reviewed:

- On-site concerns were noted from the potential for fill material from an unknown source to have been used throughout the subject property.
- On-site and off-site concerns were noted from the junkyard facility located on the southern adjoining property and partially on the southwestern portion of the subject property.
- On-site concerns were noted from staged materials visible along the access road on the central portion in 2003.

- On-site concerns were noted from the former suspected shooting range visible on the northeastern portion of the subject property in 2004.
- On-site concerns were noted from the 2024 Phase II Baseline Environmental Assessment (EA) which reported impacts above the May 2024, Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) in soil and groundwater samples at several locations throughout the property.
- Off-site concerns were noted from the present-day car dealerships which have operated on one of the northern adjoining properties and one of the western adjoining properties since at least 2003 and since at least 1995, respectively.
- Off-site concerns were noted from the present-day wastewater treatment plant which has been in operation on the northeastern adjoining property since at least 1957.
- Off-site concerns were noted from a landfill which has been visible on a property to the east of the southeastern adjoining property since at least 1981.
- Off-site concerns were noted from a lumber facility which operated on one of the western adjoining properties from at least 1967 to at least 1969.

The subject property was not listed in the Environmental Data Resources, Inc., (EDR) report for any of the ASTM-specified databases. The Puerto Nuevo Regional Wastewater Treatment Plant (RWWTP), which is located on the northeastern adjoining property, was listed in the Per- and Polyfluoroalkyl Substances (PFAS) Enforcement and Compliance History Online (ECHO) database. Off-site concerns were noted from this facility. Potential off-site concerns were noted from multiple facilities identified in the EDR report; however, the remaining facilities are not suspected of negatively impacting the subject property at this time based on distance, topography, regional groundwater flow, regulatory information reviewed, and/or a facility's limited operation time.

1.1 Findings and Opinions

Multiple on-site and off-site concerns were noted as part of this investigation.

Fill Material/Dumping:
On-site concerns were noted from the potential for fill material from an unknown source to have been used and the widespread evidence of dumping throughout the subject property. The property was entirely depicted as low-lying land in 1941 and was no longer depicted as low-lying land by 1957. Dumping and/or evidence of fill material has been documented in several locations throughout the property as part of previous assessments and as part of this investigation. At the time of the site visit, miscellaneous trash and debris, such as pieces of concrete, metal, plastic, glass, tires, entire glass bottles, and plastic containers, were observed in multiple locations at the property. The bulk of the surficial miscellaneous trash and debris was observed on the northwestern portion of the subject property; however, visible surficial dumping was observed throughout the property during the site visit. Crumpled and pieces of rusted 55-gallon drums were observed on the northwestern portion of the subject property along the present-day access road (Calle Principal) and in the vicinity of the former access road to the John F. Kennedy Expressway. A pile of tires; a few 55-gallon drums, which appeared to be empty; and a few vehicle parts were also observed on the subject property within the vicinity of the junkyard.

Junkyard Facility:
On-site and off-site concerns were noted from the junkyard facility located on the southern adjoining property and partially on the southwestern portion of the subject property. The junkyard appeared to be in operation on the southern adjoining property as early as 1995 and began to encroach onto the southwestern portion of the subject property between 2010 and 2016. At the time of the site visit, several cars were observed at the junkyard. Small pieces of miscellaneous debris (pieces of plastic, metal, glass, rubber, etc.)

were observed scattered on the ground on the northern portions of the junkyard within the subject property boundary. A few 55-gallon drums, which appeared to be empty, were also observed on the subject property within the vicinity of the junkyard.

Former Suspected Shooting Range:
On-site concerns were noted from the former suspected shooting range visible on the northeastern portion of the subject property in 2004. Remnants of the soil berms were observed during the site visit.

Staged Materials:
On-site concerns were noted from staged materials visible along the access road on the central portion in 2003.

Car Dealerships:
Off-site concerns were noted from the present-day car dealerships which have operated on one of the northern adjoining properties and one of the western adjoining properties since at least 2003 and since at least 1995, respectively. The car dealerships include auto service centers. In addition, at least two emergency generators, which appeared to have suspected diesel "belly" tanks, were observed on the northern portion of one of the car dealership properties.

Puerto Nuevo RWWTP:
Off-site concerns were noted from the present-day wastewater treatment plant which has been in operation on the northeastern adjoining property since at least 1957. This facility was listed in the EDR Report under the PFAS ECHO database.

Landfill:
Off-site concerns were noted from a landfill which has been visible on a property to the east of the southeastern adjoining property since at least 1981.

Former Lumber Facility:
Off-site concerns were noted from a lumber facility which operated on one of the western adjoining properties from at least 1967 to at least 1969.

2024 Phase II Baseline EA:
In addition to this Phase I ESA, Aerostar was also contracted to conduct a Phase II Baseline EA at the property. A total of 20 soil borings were advanced throughout the property as part of the Phase II Baseline EA. Temporary monitor wells were also installed at each soil boring. A total of 37 soil samples and 20 groundwater samples were collected for laboratory analysis. The soil samples were analyzed for 1,4-dioxane; Volatile Organic Compounds (VOCs); Semi-volatile Organic Compounds (SVOCs); Polychlorinated Biphenyls (PCBs); organophosphate pesticides; organochlorine pesticides; the 13 priority pollutant metals; and barium. The groundwater samples were analyzed for 1,4-dioxane; VOCs; Polycyclic Aromatic Hydrocarbons (PAHs); SVOCs; PCBs; organophosphate pesticides; organochlorine pesticides; the 13 priority pollutant metals; and barium. The laboratory analytical results for the soil samples were screened against the EPA RSLs for industrial soil, and the laboratory analytical results for the groundwater samples were screened against the EPA RSLs for Maximum Contaminant Level (MCL) or Tap Water (if MCL is not established).

Soil Sample Results:
Lead was reported at a concentration of 1,400 milligrams per kilogram (mg/kg), above the EPA Industrial Soil RSL of 800 mg/kg, in a soil sample collected from SB-20 at a depth of 6-7 feet BLS. PCB-1260 was reported at a concentration of 1.5 mg/kg, above the EPA Industrial Soil RSL of 0.99 mg/kg in SB-2 at a depth of 7-8 feet BLS. Total PCB was reported at a concentration of 3 mg/kg,

above the EPA Industrial Soil RSL of 0.94 mg/kg in SB-2 at a depth of 7-8 feet BLS. Arsenic was reported above the EPA Industrial Soil RSL of 3 mg/kg in a total of 15 soil samples collected from SB-2, SB-3, SB-4, SB-5, SB-6, SB-7, SB-9, SB-10, SB-14, SB-16, SB-18, and SB-20 (two intervals each exceeded the EPA Industrial Soil RSL in SB-3, SB-5, and SB-14). The laboratory analytical results for the remaining soil samples showed no concentrations above the EPA Industrial Soil RSLs.

Groundwater Sample Results:
Arsenic was reported above the EPA RSL of 10 micrograms per liter (ug/L) in groundwater samples collected from TMW-3, TMW-6, TMW-7, TMW-9, TMW-11, TMW-12, TMW-13, TMW-14, TMW-15, and TMW-16. Lead was reported above the EPA RSL of 15 ug/L in groundwater samples collected from TMW-1, TMW-2, TMW-3, TMW-6, TMW-7, TMW-9, TMW-12, TMW-17, TMW-18, and TMW-20. Nickel was reported above the EPA RSL of 39 ug/L in groundwater samples collected from TMW-1, TMW-2, TMW-3, TMW-6, TMW-7, TMW-8, TMW-9, TMW-10, and TMW-20. The laboratory analytical results for the remaining groundwater samples showed no concentrations above EPA RSL for MCL or tap water (if an MCL has not been established).

Based on the results of the 2024 Phase II Baseline EA, on-site concerns were noted from the impacts above the EPA RSLs in soil and groundwater samples at several locations throughout the property.

The Site Owner, User, and local regulatory officials were not interviewed as part of this investigation. This was identified as a significant data gap.

1.2 Conclusions

This assessment has revealed no recognized environmental conditions, controlled recognized environmental conditions, and/or significant data gaps in connection with the subject property, except for the following:

- On-site concerns were noted from the potential for fill material from an unknown source to have been used and the widespread evidence of dumping throughout the subject property.

- On-site and off-site concerns were noted from the junkyard facility located on the southern adjoining property and partially on the southwestern portion of the subject property.

- On-site concerns were noted from the former suspected shooting range visible on the northeastern portion of the subject property in 2004.

- On-site concerns were noted from staged materials visible along the access road on the central portion in 2003.

- On-site concerns were noted from the 2024 Phase II Baseline EA which reported impacts above the EPA RSLs in soil and groundwater samples at several locations throughout the property.

- Off-site concerns were noted from the present-day car dealerships which have operated on one of the northern adjoining properties and one of the western adjoining properties since at least 2003 and since at least 1995, respectively.

- Off-site concerns were noted from the present-day wastewater treatment plant which has been in operation on the northeastern adjoining property since at least 1957.

- Off-site concerns were noted from a landfill which has been visible on a property to the east of the southeastern adjoining property since at least 1981.

- Off-site concerns were noted from a lumber facility which operated on one of the western adjoining properties from at least 1967 to at least 1969.

- The Site Owner, User, and local regulatory officials were not interviewed as part of this investigation. This was identified as a significant data gap.

1.3 Recommendations

The 2024 Phase II Baseline EA included soil and groundwater sampling throughout multiple areas of the subject property but was limited in nature. Various metals and/or PCBs were reported above the EPA RSLs in soil and groundwater samples collected from the property as part of the 2024 Phase II Baseline EA. Due to the limited nature of the 2024 Phase II Baseline EA, widespread use of fill material and evidence of dumping at the property, and the amount of on-site and off-site concerns identified, further assessment at the subject property may be warranted. PFAS was not included in the scope of work for the 2024 Phase II Baseline EA; therefore, further assessment for PFAS may also be warranted since the subject property is located within the vicinity of the Puerto Nuevo RWWTP and a landfill.

2.0 SUBJECT PROPERTY DESCRIPTION

2.1 Location

The subject property is located along Calle Principal and the John F. Kennedy Expressway in San Juan, Puerto Rico. The parcel identification numbers are 062-000-003-16-000, 062-026-750-08-000, and 062-026-750-09-000. Photographs of the subject property are presented in Appendix A.

A Street Site Location map is presented as Figure 1. A Site Plan is presented as Figure 2. The figures are included in Appendix B. Property record information for the subject property was not readily available for review; therefore, property record information is not included in Appendix C.

2.2 Environmental Liens and Activity and Use Limitations

An environmental lien search was not provided by the User.

2.3 Physical Setting

United States Geological Survey (USGS) topographic quadrangle maps, database information, and regulatory files available regarding properties of environmental concern in the vicinity of the subject property were reviewed as sources for obtaining information regarding the physical setting of the subject property and surrounding vicinity.

Topography	
Subject Property Elevation (amsl)	~0-20 feet
Surface Runoff Direction	Southwest
Regional Topography	Southwest
Closest Surface Water Body/Direction	Canal Bechara/Southwest
Regional Hydraulic Gradient*	Southwest
Other:	None
Source of Information	Site visit and the 2018 San Juan, Puerto Rico, Topographic Quadrangle Map

* The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the subject property cannot be directly ascertained.

2.4 Subject Property and Vicinity Characteristics

At the time of the investigation, the subject property consisted of approximately 72 acres of primarily undeveloped, wooded and low-lying land. A car wash and paved storage lot partially encroach onto the northeastern portion of the subject property, and a junkyard partially encroaches onto the southwestern portion of the subject property. The access road appears to have been constructed using asphalt aggregate. An overhead powerline easement is located along the southeastern property boundary. The immediate vicinity surrounding the subject property is primarily characterized by commercial properties, Puerto Nuevo RWWTP, a landfill, the San Juan Port Area, and wooded and low-lying land.

2.5 Description of Subject Property Structures and Improvements

The subject property is not presently developed with any structures. Access to the subject property is available via Calle Principal, which transects the subject property, and the John F. Kennedy Expressway to the northwest.

Electricity is provided to the vicinity of the subject property by LUMA Energy, LLC. Potable water and sanitary sewer are provided to the vicinity of the subject property by the Puerto Rico Aqueduct and Sewer Authority. Natural gas is not currently provided to the subject property.

2.6 Current Uses of the Subject Property

The subject property is primarily undeveloped; however, a car wash and paved storage lot partially encroach onto the northeastern portion of the subject property, and a junkyard partially encroaches onto the southwestern portion of the subject property.

3.0 HISTORICAL USE INFORMATION

3.1 Historical Background

Historical resources were available from 1941 until the present. In summary, the subject property was predominantly low-lying land in the 1940s and 1950s and has since been filled in at several locations throughout the property. The northwestern half of the property has predominantly been wooded and/or low-lying land since at least 1960s. The southeastern half of the property was predominantly cleared land from at least 1967 to at least 1974 and has consisted of wooded, low-lying, and/or cleared land since at least 1981. Powerline easements have transected the property since at least 1941. An access road, which ran from the northwest to the southeast, previously transected the central portion of the property from at least the 1960s to at least the 1980s. Another access road (Calle Principal), which runs from the northeast to the southwest, has transected the central portion of the property since at least 1967. Cleared land/material staging area (1967), suspected residences (1981-1995), and a junkyard (2016-present) were visible on the southwestern portion. A paved lot has been visible on the northeastern portion since at least 2003. Staged materials were visible along the fringes of the access road in 2003. A suspected shooting range was visible on the northeastern portion in 2004.

On-site concerns were noted from the potential for fill material from an unknown source to have been used throughout the subject property. The property was entirely depicted as low-lying land in 1941 and was no longer depicted as low-lying land by 1957. Dumping and/or evidence of fill material has been documented in several locations throughout the property.

On-site and off-site concerns were noted from the junkyard facility located on the southern adjoining property and partially on the southwestern portion of the subject property. The junkyard appeared to be in operation on the southern adjoining property as early as 1995 and began to encroach onto the southwestern portion of the subject property between 2010 and 2016.

On-site concerns were noted from staged materials visible along the access road on the central portion in 2003.

On-site concerns were noted from the former suspected shooting range visible on the northeastern portion of the subject property in 2004.

On-site concerns were noted from the 2024 Phase II Baseline EA which noted impacts above the EPA RSLs in soil and groundwater samples at several locations throughout the property.

Off-site concerns were noted from the present-day car dealerships which have operated on one of the northern adjoining properties and one of the western adjoining properties since at least 2003 and since at least 1995, respectively.

Off-site concerns were noted from the present-day wastewater treatment plant which has been in operation on the northeastern adjoining property since at least 1957.

Off-site concerns were noted from a landfill which has been visible on a property to the east of the southeastern adjoining property since at least 1981.

Off-site concerns were noted from a lumber facility which operated on one of the western adjoining properties from at least 1967 to at least 1969.

The historical sources reviewed are summarized in the following table:

Historical Source	Source Location	Dates Reviewed
Aerial Photographs	EDR/USGS/Google Earth	1967 to 2024
Topographic Maps	EDR/USGS	1941 to 2018
City Directories	EDR	1963 to 1969
Property Record Information	Regrid	2024

3.1.1 Aerial Photographs

To evaluate the previous land uses of the property and surrounding area, a series of aerial photographs were reviewed. The aerial photographs provide a progressive overview of parcels pertaining to this assessment.

Aerostar personnel reviewed aerial photographs from 1967, 1974, 1981, 1989, 1993, 1995, 2003, 2004, 2010, 2016, 2023, and 2024. Copies of the aerial photographs are provided in Appendix D. Descriptions of Aerostar's observations are outlined in the following table:

Aerial Photograph Summary			
Source	**Photograph Year**	**Subject Property**	**Adjoining Properties**
EDR	1967	Low-lying and wooded land transected by an access road on the northwestern half; present-day access road (Calle Principal) visible transecting the central portion; predominantly cleared land and the remnants of an access road are visible on the southeastern half; present-day overhead powerline easement visible along the southeastern property boundary; cleared land/material staging area on the southwestern corner	North: Multiple commercial structures visible throughout, including several areas with parked cars and/or staged vehicles; wooded and low-lying land on the western portion; Calle 1 visible Northeast: Present-day wastewater treatment plant and overhead powerline easement are visible Southeast: Present-day overhead powerline easement, followed by predominantly cleared land South: Cleared land on the northeastern portion; predominantly wooded and low-lying land on the southwestern portion; present-day overhead powerline easement visible on the southeastern portion; cleared land/material staging area visible on the western portion Southwest: Present-day canal, followed by grassy and cleared land West: Wooded and low-lying land on the northeastern portion; present-day commercial development visible on the southwestern half; a sign on the roof indicates Caribe Lumber is operating on the southwestern portion Northwest: John F. Kennedy Expressway, followed by cleared and low-lying land and a present-day access road

Aerial Photograph Summary			
Source	**Photograph Year**	**Subject Property**	**Adjoining Properties**
EDR	1974 (Poor Aerial Quality)	The access road appears to be slightly more prominent on the northwestern portion; the southeastern half has been cleared further; materials no longer staged on the southwestern corner and increasingly overgrown in that area	North: Additional areas of commercial development visible on the western portion Northeast: No significant changes visible Southeast: The site appears to be predominantly under water South: Northeastern portion increasingly overgrown; materials no longer staged on the western portion and increasingly overgrown in that area Southwest: Commercial structure visible West: "Caribe Lumber" is no longer visible on the roof; no other significant changes visible Northwest: John F. Kennedy Expressway widened; cleared land; present-day port visible on the northwestern portion
USGS	1981 (Poor Aerial Quality)	The southeastern half is increasingly wooded; suspected residences visible on the southwestern portion	North: No significant changes visible Northeast: The wastewater treatment plant has been expanded Southeast: The property is no longer under water; increasingly overgrown; predominantly low-lying land; present-day landfill visible to the east of the property South: Suspected residences are visible on the property Southwest: No significant changes visible West: No significant changes visible Northwest: Increasingly grassy on some of the former cleared portions
EDR	1989 (Poor Aerial Quality)	Wooded and low-lying land on the entire southeastern half	North: No significant changes visible Northeast: No significant changes visible Southeast: No significant changes visible South: No significant changes visible Southwest: No significant changes visible West: No significant changes visible Northwest: Additional areas of the present-day port are visible
EDR	1993 (Poor Aerial Quality)	A majority of the subject property is not visible; no significant changes on the visible portions	North: The property is not visible Northeast: The property is not visible Southeast: A majority of the property is not visible; no significant changes visible on the southwestern portion South: No significant changes visible Southwest: No significant changes visible West: The northeastern portion is not visible; no significant changes visible on the southwestern portion Northwest: A majority of the property is not visible; additional areas of the present-day port are visible on the southwestern portion

Aerial Photograph Summary			
Source	**Photograph Year**	**Subject Property**	**Adjoining Properties**
EDR/ Google Earth	1995	The access roads on the northwestern and central portions appear to be overgrown; no other significant changes visible	North: No significant changes visible Northeast: No significant changes visible Southeast: No significant changes visible South: The present-day junkyard appears to be visible Southwest: Materials, vehicles, and/or trailers appear to be staged at the property West: Present-day car dealership visible on the southwestern portion Northwest: Additional areas of the present-day port are visible
Google Earth	2003	The access road on the central portion has been cleared; staged materials visible along the fringes of some portions of the access road; a cleared area is visible on the northeastern portion; the present-day paved lot is visible on the northeastern portion; suspected residences no longer visible on the southwestern portion	North: Additional areas of commercial development (present-day car dealership) visible on the western portion Northeast: No significant changes visible Southeast: An access road is visible on the central portion which leads to the landfill to the east; present-day landfill to the east of the property has been expanded South: Present-day junkyard expanded Southwest: No significant changes visible West: An additional structure is visible on the southwestern portion Northwest: Present-day service road visible along the John F. Kennedy Expressway
Google Earth	2004	Suspected shooting range (berms) visible on the northeastern portion; a majority of the staged materials are no longer visible except for on the southwestern portion	North: No significant changes visible Northeast: No significant changes visible Southeast: No significant changes visible South: No significant changes visible Southwest: No significant changes visible West: No significant changes visible Northwest: No significant changes visible
Google Earth	2010	Shooting range is no longer visible; wooded and low-lying land visible on the northeastern portion;	North: No significant changes visible Northeast: No significant changes visible Southeast: No significant changes visible South: No significant changes visible Southwest: No significant changes visible West: No significant changes visible Northwest: No significant changes visible

Aerial Photograph Summary			
Source	**Photograph Year**	**Subject Property**	**Adjoining Properties**
Google Earth	2016	Additional cleared areas visible on the southwestern portion as the present-day junkyard begins to encroach onto the property	North: No significant changes visible Northeast: Present-day windmill visible on the western portion Southeast: The access road is overgrown South: No significant changes visible Southwest: The commercial structure is no longer visible and nothing appears to be staged at the property; vacant lot West: No significant changes visible Northwest: No significant changes visible
Google Earth	2023	The present-day paved lot has expanded on the northeastern portion; cleared paths are visible throughout the southeastern half; the present-day junkyard has further encroached onto the southwestern portion	North: Some of the commercial structures are no longer visible Northeast: No significant changes visible Southeast: No significant changes visible South: No significant changes visible Southwest: Staged vehicles visible throughout the property West: No significant changes visible Northwest: No significant changes visible
Google Earth	2024	The cleared paths on the southeastern half are no longer visible	North: Additional areas of commercial development visible on the western portion Northeast: No significant changes visible Southeast: No significant changes visible South: No significant changes visible Southwest: No significant changes visible West: No significant changes visible Northwest: No significant changes visible

On-site and off-site concerns were noted from the junkyard facility located on the southern adjoining property and partially on the southwestern portion of the subject property. The junkyard appeared to be in operation on the southern adjoining property as early as 1995 and began to encroach onto the southwestern portion of the subject property between 2010 and 2016.

On-site concerns were noted from staged materials visible along the access road on the central portion in 2003.

On-site concerns were noted from the former suspected shooting range visible on the northeastern portion of the subject property in 2004.

Off-site concerns were noted from the present-day car dealership which has operated on one of the northern adjoining properties since at least 2003.

Off-site concerns were noted from the present-day wastewater treatment plant which has been visible on the northeastern adjoining property since at least 1967.

Off-site concerns were noted from a landfill which has been visible on a property to the east of the southeastern adjoining property since at least 1981.

Off-site concerns were noted from a lumber facility which operated on one of the western adjoining properties in 1967.

Off-site concerns were noted from the present-day car dealership which has operated on one of the western adjoining properties since at least 1995.

3.1.2 Topographic Maps

Aerostar performed a review of a topographic maps provided by EDR as part of this investigation. Copies of the topographic map) reviewed are included in Appendix D. A summary of Aerostar's observations is provided in the following table:

Topographic Map Summary			
Quad	**Year(s)**	**Subject Property**	**Adjoining Properties**
San Juan, Puerto Rico	1941	Low-lying land; transmission line depicted	North: Low-lying land Northeast: Low-lying land; transmission line depicted Southeast: Low-lying land South: Low-lying land; Rio Puerto Nuevo and a transmission line are depicted Southwest: Low-lying land West: Low-lying land; Rio Puerto Nuevo depicted Northwest: Present-day John F. Kennedy Expressway, followed by low-lying land
San Juan, Puerto Rico	1947	No significant changes depicted	North: No significant changes depicted Northeast: No significant changes depicted Southeast: No significant changes depicted South: No significant changes depicted Southwest: No significant changes depicted West: No significant changes depicted Northwest: No significant changes depicted
San Juan, Puerto Rico	1949	The northern, eastern, and southeastern portions are no longer depicted as low-lying land	North: No longer depicted as low-lying land Northeast: No longer depicted as low-lying land Southeast: No longer depicted as low-lying land South: Present-day canal depicted Southwest: Present-day canal depicted West: No significant changes depicted Northwest: No significant changes depicted

Topographic Map Summary			
Quad	**Year(s)**	**Subject Property**	**Adjoining Properties**
San Juan, Puerto Rico	1957	The transmission line is depicted in its present-day location	North: No significant changes depicted Northeast: The transmission line is now depicted in its present-day location; present-day wastewater treatment plant depicted Southeast: No significant changes depicted South: The transmission line is depicted in its present-day location; no longer depicted as low-lying land Southwest: No longer depicted as low-lying land West: No longer depicted as low-lying land Northwest: No longer depicted as low-lying land
San Juan, Puerto Rico	1963	A northwest-southeast path is depicted transecting the property	North: A structure is depicted Northeast: Additional structures depicted at the wastewater treatment plant Southeast: No significant changes depicted South: No significant changes depicted Southwest: No significant changes depicted West: Structures depicted Northwest: No significant changes depicted
San Juan, Puerto Rico	1969	The path is no longer depicted	North: Additional structures depicted Northeast: No significant changes depicted Southeast: No significant changes depicted South: No significant changes depicted Southwest: No significant changes depicted West: No significant changes depicted Northwest: An access road is depicted
San Juan, Puerto Rico	1982	No significant changes depicted	North: A structure or feature is no longer depicted Northeast: No significant changes depicted Southeast: No significant changes depicted South: No significant changes depicted Southwest: A structure is depicted West: No significant changes depicted Northwest: Unknown activity depicted on the northeastern half
San Juan, Puerto Rico (no structures depicted on quad)	2013	No significant changes depicted	North: No significant changes depicted Northeast: No significant changes depicted Southeast: No significant changes depicted South: No significant changes depicted Southwest: No significant changes depicted West: No significant changes depicted Northwest: An additional access road is depicted

Topographic Map Summary			
Quad	**Year(s)**	**Subject Property**	**Adjoining Properties**
San Juan, Puerto Rico (no structures depicted on quad)	2018	Present-day access road (Calle Principal) depicted	North: Additional structures depicted Northeast: Additional structures depicted at the wastewater treatment plant Southeast: No significant changes depicted South: Present-day access roads depicted; structures depicted Southwest: No significant changes depicted West: No significant changes depicted Northwest: Additional present-day access roads and several structures depicted

On-site concerns were noted from the potential for fill material from an unknown source to have been used throughout the subject property between the 1940s and 1950s. The property was entirely depicted as low-lying land in 1941 and was no longer depicted as low-lying land by 1957.

Off-site concerns were noted from the wastewater treatment plant depicted on the northeastern adjoining property since at least 1957.

3.1.3 Sanborn Maps

Sanborn Fire Insurance Maps did not provide coverage of the subject property or its vicinity.

3.1.4 City Directories

Aerostar personnel attempted to perform a review of historical city directories for the City of San Juan at a maximum of five-year intervals back to 1940 to determine if the past occupants/operations of the subject property and any adjoining properties are a potential concern. The city directories provided by EDR were limited to 1963 and 1969. Detailed listings for the years which Aerostar reviewed are outlined in the following table:

City Directories Summary			
Direction	**Address(es) or Parcel RE#**	**Year(s)**	**Listing(s)**
Subject Property	062-000-003-16-000, 062-026-750-08-000, and 062-026-750-09-000	1963-1969	Not listed
North	1055 Marginal Kennedy / 062-016-750-07-000	1963-1969	Not listed
	062-016-750-03-001	1963-1969	Not listed
	062-016-750-06-001	1963-1969	Not listed
	062-016-750-05-001	1963-1969	Not listed
	062-016-751-13-000	1963-1969	Not listed
Northeast	062-071-752-01-000	1963-1969	Not listed
Southeast	062-000-003-16-000	1963-1969	Not listed
South	062-000-003-17-000	1963-1969	Not listed
Southwest	062-036-219-01-998	1963-1969	Not listed
West	551 Marginal JF Kennedy / 062-000-003-13-901	1963	Not listed
		1969	Caribe Lumber & Trading Corp.
	062-000-003-01-801	1963-1969	Not listed
Northwest	062-000-003-01-801	1963-1969	Not listed

Several commercial properties were listed along the John F. Kennedy Expressway in the 1969 historical city directories reviewed. Aerostar suspects Caribe Lumber & Trading Corp., which was listed in 1969, is associated with the western adjoining property. A sign for the company was visible on the roof of a building at the property in the 1967 historical aerial photograph reviewed. Off-site concerns were noted from this facility.

3.1.5 Review of Environmental Reports or Investigations

The User provided Aerostar with copies of the following reports conducted on the subject property:

- Final Geotechnical Data Report, dated July 24, 2023
- Wetland Jurisdictional Determination Delineation and Flora and Fauna Report, dated July 21, 2023

Final Geotechnical Data Report, dated July 24, 2023:

According to the 2023 Final Geotechnical Data Report, the subsurface stratigraphy at the subject property was generally characterized by seven stratigraphic units. Stratum 1, which was located nearest to the surface, was listed as "fill." The stratum reportedly consisted of sandy clays, silty sands, silty gravel, clayey sand, and clayey gravel. In addition, "little manufactured debris (trash, garbage, glass, plastic, etc.)" was listed within this stratum. No other stratums reportedly consisted of buried debris. A total of 14 borings were advanced throughout the subject property. Little manufactured debris, road fill material, and/or concrete debris was reportedly encountered in 7 of the 14 soil borings at depths of 0 to 15 feet below land surface (BLS). The seven soil borings with impacts were located as follows:

- Three soil borings along the access road transecting the central portion
- One soil boring along the northwestern property boundary adjacent to the John F. Kennedy Expressway service road
- One soil boring on the northwestern portion of the property along a former access road
- One soil boring on the northeastern portion of the property
- One soil boring along the southeastern property boundary

No additional information was available for review.

Wetland Jurisdictional Determination Delineation and Flora and Fauna Report, dated July 21, 2023:

According to the 2023 Wetland Jurisdictional Determination Delineation and Flora and Fauna Report, many areas at the subject property have received fill debris in the past. According to the report, fill material was noted in the following locations:

- On the northwestern half of the property along the historical access road which transects the wetlands
- On the southeastern half of the property in the vicinity of three wetlands

The fill material reportedly consisted of soil, concrete rubble, rocks, tires, home demolition debris, and other materials. No additional information was available for review.

2024 Phase II Baseline EA:
In addition to this Phase I ESA, Aerostar was also contracted to conduct a Phase II Baseline EA at the property. A total of 20 soil borings were advanced throughout the property as part of the Phase II Baseline EA. A total of 37 soil samples were collected for laboratory analysis. Soil samples were collected from 0

to 2 feet BLS and from 2 feet BLS to the top of the water table at all locations, except for SB-10, SB-12, and SB-19 due to the high-water table. The soil samples were analyzed for 1,4-dioxane; VOCs; SVOCs; PCBs; organophosphate pesticides; organochlorine pesticides; the 13 priority pollutant metals; and barium. Temporary monitor wells were installed at each soil boring location to depths of approximately 15 to 20 feet BLS. Groundwater samples were collected from each temporary monitor well for laboratory analysis. The groundwater samples were analyzed for 1,4-dioxane; VOCs; PAHs; SVOCs; PCBs; organophosphate pesticides; organochlorine pesticides; the 13 priority pollutant metals; and barium.

The laboratory analytical results for the soil samples were screened against the EPA RSLs for industrial soil. Lead was reported at a concentration of 1,400 mg/kg, above the EPA RSL of 800 mg/kg, in a soil sample collected from SB-20 at a depth of 6-7 feet BLS. PCB-1260 was reported at a concentration of 1.5 mg/kg, above the EPA RSL of 0.99 mg/kg in SB-2 at a depth of 7-8 feet BLS. Total PCB was reported at a concentration of 3 mg/kg, above the EPA RSL of 0.94 mg/kg in SB-2 at a depth of 7-8 feet BLS. Arsenic was reported above the EPA RSL of 3 mg/kg at the following locations:

- SB-2 (0-2 ft depth interval) – 3.3 mg/kg
- SB-3 (0-2 ft depth interval) – 7.3 mg/kg
- SB-3 (6-7 ft depth interval) – 4.3 mg/kg
- SB-4 (0-2 ft depth interval) – 6.8 mg/kg
- SB-5 (0-2 ft depth interval) – 7.1 mg/kg
- SB-5 (6-7 ft depth interval) – 3.2 mg/kg
- SB-6 (0-2 ft depth interval) – 5.2 mg/kg
- SB-7 (0-2 ft depth interval) – 7.9 mg/kg
- SB-9 (0-2 ft depth interval) – 6.9 mg/kg
- SB-10 (0-2 ft depth interval) – 12 mg/kg
- SB-14 (0-4 ft depth interval) – 17 mg/kg
- SB-14 (6-7 ft depth interval) – 4.7 mg/kg
- SB-16 (0-4 ft depth interval) – 3.6 mg/kg
- SB-18 (8-9 ft depth interval) – 3.1 mg/kg
- SB-20 (6-7 ft depth interval) – 16 mg/kg

The laboratory analytical results for the remaining soil samples showed no concentrations above the EPA RSLs.

The laboratory analytical results for the groundwater samples were screened against the EPA RSLs for MCL or Tap Water (if MCL is not established). Arsenic was reported above the EPA RSL of 10 ug/L at the following locations:

- TMW-3 (33 ug/L)
- TMW-6 (19 ug/L)
- TMW-7 (18 ug/L)
- TMW-9 (31 ug/L)
- TMW-11 (49 ug/L)
- TMW-12 (13 ug/L)
- TMW-13 (15 ug/L)
- TMW-14 (13 ug/L)
- TMW-15 (14 ug/L)/(16 ug/L)
- TMW-16 (43 ug/L)

Lead was reported above the EPA RSL of 15 ug/L at the following locations:

- TMW-1 (23 ug/L)
- TMW-2 (640 ug/L)
- TMW-3 (42 ug/L)
- TMW-6 (34 ug/L)
- TMW-7 (36 ug/L)
- TMW-9 (30 ug/L)
- TMW-12 (18 ug/L)
- TMW-17 (200 ug/L)
- TMW-18 (18 ug/L)
- TMW-20 (65 ug/L)

Nickel was reported above the EPA RSL of 39 ug/L at the following locations:

- TMW-1 (44 ug/L)
- TMW-2 (42 ug/L)
- TMW-3 (73 ug/L) - estimated concentration
- TMW-6 (71 ug/L)
- TMW-7 (110 ug/L)
- TMW-8 (49 ug/L)
- TMW-9 (68 ug/L)
- TMW-10 (51 ug/L)
- TMW-20 (55 ug/L)

The laboratory analytical results for the remaining groundwater samples showed no concentrations above EPA RSL for MCL or tap water (if an MCL has not been established).

On-site concerns were noted from the impacts documented above the EPA RSLs.

No other prior environmental reports or investigations were provided to Aerostar for review as part of this investigation.

4.0 REGULATORY DATABASE LISTINGS

4.1 Standard Environmental Record Sources

As a part of this assessment, Aerostar reviewed information sources to obtain existing information pertaining to hazardous substances or petroleum products on or near the subject property. Aerostar obtained an ASTM regulatory database search through EDR. A copy of the database report is included in Appendix E. Aerostar also reviewed other available standard environmental record sources on the EPA ECHO website, as needed. The following table presents the summary of the regulatory database report:

Regulatory Database Summary				
Source	**Search Distance**	**Subject Property**	**Adjoining Property**	**Within ASTM's Minimum Search Distance**
Lists of Federal National Priority List (NPL) (Superfund) sites	1.0 miles	0	0	0
Lists of Federal Delisted NPL sites	0.5 miles	0	0	0
Lists of Federal sites subject to Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) removals and CERCLA orders	0.5 miles	0	0	0
Lists of Federal CERCLA sites with No Further Remedial Action Planned (NFRAP)	0.5 miles	0	1	1
Lists of Federal Resource Conservation and Recovery Act (RCRA) facilities undergoing Corrective Action	1.0 mile	0	0	0
Lists of Federal RCRA Treatment, Storage and Disposal (TSD) facilities	0.5 miles	0	0	0
Lists of Federal RCRA generators	Subject property and adjoining properties	0	0	0
Federal Institutional Controls/Engineering Controls (IC/EC) registries	Subject property only	0	NA	0
Federal Emergency Response Notification System (ERNS) list	Subject property only	0	NA	0
Lists of state- and tribal- "Superfund" equivalent sites	1.0 mile	0	0	0
Lists of state and tribal hazardous waste facilities	0.5 miles	0	0	0
Lists of state and tribal landfills and solid waste disposal facilities	0.5 miles	0	0	0
Lists of state and tribal leaking storage tanks	0.5 miles	0	0	1
Lists of state and tribal registered storage tanks	Subject property and adjoining properties	0	0	0
State and tribal IC/EC registries	Subject property only	0	NA	0
Lists of state and tribal voluntary cleanup sites	0.5 miles	0	0	0
Lists of state and tribal brownfield sites	0.5 miles	0	0	0

4.2 Summary of Database Hits

Regulatory information reviewed concerning the nearest identified facility in each cardinal direction is detailed below:

Facility's Name(s):	Prasa Puerto Nuevo
Facility ID:	PR0021555 and 110006622823
Database(s):	PFAS ECHO
Address(es):	San Juan, Puerto Rico
Distance (ft):	Northeastern Adjoining
Direction:	NA
Comments:	This facility is a RWWTP. According to the database report, this facility is listed in the PFAS ECHO database. According to the EPA ECHO website, the facility does not have any outstanding violations. The website lists the current wastewater treatment method as "sedimentation." No additional information was available for review. Off-site concerns were noted from this facility.

Facility's Name(s):	Isla Vedre Transport
Facility ID:	PRD987379013, 0203645
Database(s):	Superfund Enterprise Management System (SEMS)-ARCHIVE
Address(es):	State Road #28 C Avenue, Lot #7
Distance (ft):	Northwestern Adjoining
Direction:	NA
Comments:	This facility is reportedly located within the Port Area of San Juan. According to the database report and information reviewed on the EPA's website, a Preliminary Assessment and Site Investigation were conducted at the facility between 1992 and 1993. The EPA determined that the facility did not qualify for the NPL based on existing information. No additional information was available for review. Based on the information available for review, this facility is not suspected of negatively impacting the subject property at this time.

Facility's Name(s):	Gulf #040
Facility ID:	86-0267
Database(s):	Leaking Underground Storage Tank (LUST)
Address(es):	419 Marginal Kennedy
Distance (ft):	~1,000
Direction:	West
Comments:	According to the database report, product was detected in a well at this facility in July 1998. The facility reportedly has three tanks in operation, and a used oil tank was listed as "out of use." The facility appears to either currently operate and/or has formerly operated as a service station. No additional information was available for review. Based on the facility's distance from the subject property, this facility is not suspected of negatively impacting the subject property at this time.

4.3 Area Reconnaissance/Unmapped Facilities

In addition to reviewing the database report, Aerostar performed reconnaissance in the vicinity of the subject property to identify any sites not mapped by EDR due to inadequate or inaccurate address information and to look for unregistered facilities. Several additional facilities of potential concern were observed by Aerostar at the time of the site visit. Car dealerships were observed on the northern and western

adjoining properties; a junkyard, which was encroaching onto the southwestern portion of the subject property, was observed on the southern adjoining property; and an Aboveground Storage Tank (AST) and a generator with a "belly" tank were observed in the vicinity of the southwestern adjoining property. These facilities are further discussed in Section 8 of this report.

4.4 Other Databases

No other historical sources were reviewed during this investigation.

5.0 LOCAL AGENCY RECORDS

Aerostar contacted the following agencies to obtain information concerning the subject property and, if applicable, other properties of concern.

Agency	Contact Name / Phone Number	Date	Findings
EPA	NA/Internet	9/3/2024	Obtained regulatory information.

6.0 SITE RECONNAISSANCE

6.1 Methodology

Visual and physical inspections conducted as part of this investigation included walking the interior of the subject property and its perimeter, where accessible. Additionally, observations of access to and egress from the subject property were noted, as well as the interior and exterior conditions of any on-site buildings or other improvements. This visual and physical inspection of the property focused primarily on its surface features. Any limitations to the site reconnaissance are detailed in Section 9.4.

6.2 On-site Reconnaissance

6.2.1 Subject Property Operations, Processes and Equipment

Item or Feature	Observed	REC
Emergency Generators	--	
Air Compressors	--	
Hydraulic Lifts	--	
Drycleaning	--	
Photo Processing	--	
Laboratory Hoods and/or Incinerators	--	
Solid Waste and/or Water Treatment Systems	--	
Heating and/or Cooling Systems	--	
Other: Junkyard	X	Yes

A junkyard, which is primarily located on the southern adjoining property, partially extends onto the southwestern portion of the subject property. Several cars were observed at the junkyard. Small pieces of miscellaneous debris (pieces of plastic, metal, glass, rubber, etc.) were observed scattered on the ground on the northern portions of the junkyard within the subject property boundary. A pile of tires; a few 55-gallon drums, which appeared to be empty; and a few vehicle parts were also observed on the northern portions of the junkyard within the subject property boundary. On-site and off-site concerns were noted from the junkyard facility.

No other operations, processes, or equipment were observed during the site visit.

6.2.2 Aboveground Chemical or Waste Storage

Item or Feature	Observed	REC
ASTs	--	
Drums, Barrels and/or Containers Exceeding 5 Gallons (Individually or Aggregate)	X	Yes
Safety Data Sheet (SDS) Review	--	
Parts Washer	--	
Other:	--	

Crumpled and pieces of rusted 55-gallon drums were observed on the northwestern portion of the subject property along the present-day access road (Calle Principal) and in the vicinity of the former access road to the John F. Kennedy Expressway. A few 55-gallon drums, which appeared to be empty, were also observed on the southwestern portion of the subject property in the vicinity of the junkyard.

No other aboveground chemical or waste storage devices were observed during the site visit.

6.2.3 Underground Chemical or Waste Storage, Drainage or Collection Systems

Item or Feature	Observed	REC
Underground Storage Tank (UST) or Ancillary UST Equipment	--	
Sumps, Cisterns, Catch Basins, and/or Dry Wells	--	
Grease Traps	--	
Septic Tanks and/or Leach Fields	--	
Oil/Water Separators	--	
Pipeline Markers	--	
Interior Floor Drains	--	
Other:	--	

No underground chemical or waste storage devices were observed during the site visit.

6.2.4 Electrical Transformers/PCBs

Item or Feature	Observed	REC
Pole-Mounted Transformers/Capacitors	X	No
Other:	--	

One pole-mounted transformer (PMT) was observed along the northern property boundary adjacent to the TransAmerica facility. No leaks, stains, or other evidence of a potential discharge were noted in the vicinity of the PMT.

No other electrical transformers or evidence of PCB-containing equipment were observed during the site visit.

6.2.5 Releases or Potential Releases

Item or Feature	Observed	REC
Stressed Vegetation	--	
Stained Soil	--	
Stained Pavement or Similar Surfaces	--	
Leachate and/or Waste Seeps	--	
Trash, Debris, and/or Waste Materials	X	Yes
Dumping	X	Yes
Disposal Areas	--	
Construction/Demolition Debris	--	
Fill Dirt	--	
Surface Water Discoloration, Sheen, and/or Free Floating Product	--	
Strong, Pungent, and/or Noxious Odor(s)	--	
Exterior Pipe Discharges and/or Other Effluent Discharges	--	
Other:	--	

Miscellaneous trash and debris, such as pieces of concrete, metal, plastic, glass, tires, entire glass bottles, and plastic containers, were observed in multiple locations at the property. The bulk of the surficial miscellaneous trash and debris was observed on the northwestern portion of the subject property, primarily along the present-day access road (Calle Principal) and in the vicinity of the former access road to the John F. Kennedy Expressway. The miscellaneous trash and debris this portion of the subject property included both small and large pieces and was widespread in nature. Smaller areas and pieces of miscellaneous trash and debris were observed on the surface throughout the remaining portions of the subject property. On-site concerns were noted from the wide-spread evidence of dumping at the property.

Remnants of soil berms, associated with a suspected historical shooting range, were observed on the northeastern portion of the subject property. A suspected former target stand was observed in the vicinity of one of the soil berms. A small mound of soil, which appeared to contain pieces of plastic and glass, was also observed on the southwestern portion of the subject property. On-site concerns were noted from the former suspected shooting range.

Three large concrete culvert pipes were observed on the northeastern portion of the subject property.

A junkyard, which is primarily located on the southern adjoining property, partially extends onto the southwestern portion of the subject property. Several junk cars were observed at the junkyard. Small pieces of miscellaneous debris (pieces of plastic, metal, glass, rubber, etc.) were observed scattered on the ground on the northern portions of the junkyard within the subject property boundary. A pile of tires; a few 55-gallon drums, which appeared to be empty; and a few vehicle parts were also observed on the subject property within the vicinity of the junkyard. On-site and off-site concerns were noted from the junkyard facility.

The access road (Calle Principal) appears to have been constructed using asphalt aggregate. Piles of asphalt were observed along the access road during a second site visit conducted in October 2024.

No other releases or evidence of a potential release were noted during the site visit.

6.2.6 Other Notable Features

Item or Feature	Observed	REC
Surface Water Bodies	X	No
Quarries and/or Pits	--	
Wells (Irrigation, Potable, Industrial, Etc.)	--	
Stormwater Discharges to the Subject Property	--	
Other:	--	

Several low-lying areas, including some drainage features, were observed during the site visit.

No other notable features were observed during the site visit.

7.0 INTERVIEWS

Reasonable attempts were made to interview the subject property owner(s), available key subject property manager(s), and occupants. Aerostar also conducted interviews with other individuals familiar with the subject property, as well as local, state, tribal, or federal agency representatives, where available, regarding issues which could have an adverse effect on the environmental status of the subject property. The people interviewed by ASL are summarized in the following table:

Interviewee	Date Interviewed	Relationship to the Investigation	Contact Number
Mr. Nelson R. Colón	10/17/2024	USACE, Chief, Regulatory & Operations Division, Task Force Virgin Islands Puerto Rico	904-232-1597 (o) 904-699-1567 (c)
Mr. Alberto Gonzales, P.E.	10/22/2024	USACE, Retired Annuitant	904-735-1278

7.1 Interview with Subject Property Owner

The subject property is currently owned by the government of Puerto Rico. The government officials were not familiar with the subject property; therefore, a Site Owner was not interviewed as part of this investigation.

7.2 Interview with Subject Property Manager

See Section 7.1.

7.3 Interviews with Occupants

The subject property is currently unoccupied.

7.4 Interviews with Government Officials

Aerostar interviewed Mr. Nelson R. Colón, USACE, regarding the former on-site shooting range. Mr. Colón suspected that the range was most likely used by the municipal police. He suspected that firearms such as handguns and/or shotguns would have been used at the firing range. Mr. Colón indicated that the junkyard facility has been in operation for decades. He indicated that a bridge across the Bechara Canal formerly provided access to the junkyard from the southwest. He further indicated that the bridge was removed as part of a canal project completed in the late 2000s.

Aerostar interviewed Mr. Alberto Gonzales, P.E., USACE, Retired Annuitant, regarding the junkyard facility located on the southern adjoining property and partially on the southwestern portion of the subject property. According to Mr. Gonzales, the junkyard has been in operation for years. He indicated that the junkyard is probably operating illegally and may or may not be permitted. Mr. Gonzales indicated that the junk yard formerly serviced police cars for the local municipality. According to Mr. Gonzales, a bridge across the Bechara Canal formerly provided access to the junkyard from the southwest. He indicated that the bridge was removed as part of a canal project completed in the late 2000s, and several buried tires were discovered adjacent to the junkyard during the construction phase. Mr. Gonzales indicated that several local and federal agencies are aware of the junkyard. He indicated that a court case has been filed against the junkyard in the municipality of San Juan; however, he didn't believe there has been any movement on the case.

7.5 Interviews with Others

The User was not interviewed as part of this investigation; however, the User provided Aerostar with copies of the following reports conducted on the subject property:

- Final Geotechnical Data Report, dated July 24, 2023
- Wetland Jurisdictional Determination Delineation and Flora and Fauna Report, dated July 21, 2023

The reports were discussed in Section 3.1.5 of this report.

8.0 OFF-SITE RECONNAISSANCE

The current uses of the adjoining properties are as follows:

Description of Adjoining Parcels			
Direction From Subject Property	**Address or Parcel RE#**	**Description of Current Use**	**Potential Concerns**
North	1055 Marginal Kennedy / 062-016-750-07-000	Flagship Mazda Kennedy car dealership	Yes
	062-016-750-03-001	Auto storage lot	None
	062-016-750-06-001	TransAmerica Agencies Company Inc.	None
	062-016-750-05-001	Ditex Construction & Interior Remodeling; office space	None
	062-016-751-13-000	Vacant lot; material and vehicle storage	None
Northeast	062-071-752-01-000	Puerto Nuevo RWWTP	Yes
Southeast	062-000-003-16-000	Low-lying wooded and grassy land (landfill adjoining to east of property); overhead powerline easement	None
South	062-000-003-17-000	Junkyard	Yes
Southwest	062-036-219-01-998	Bechara Canal, followed by an auto storage lot	Yes
West	551 Marginal JF Kennedy / 062-000-003-13-901	Alberic Chrysler, Dodge, Jeep, and Ram car dealership; Green Health LLC	Yes
	062-000-003-01-801	Wooded and low-lying land	None
Northwest	062-000-003-01-801	John F. Kennedy Expressway, followed by the Port Area of San Juan	None

Off-site concerns were noted from the Flagship Mazda Kennedy car dealership observed on one of the northern adjoining properties. An auto service center was observed on the eastern portion of the property.

Off-site concerns were noted from the Puerto Nuevo RWWTP observed on the northeastern adjoining property.

On-site and off-site concerns were noted from the junkyard observed on the southern adjoining property. The northern portion of the junkyard facility extends onto the southwestern portion of the subject property. Several junk cars were observed at the junkyard. Small pieces of miscellaneous debris (pieces of plastic, metal, glass, rubber, etc.) was observed scattered on the ground on the northern portions of the junkyard within the subject property boundary. A pile of tires; a few 55-gallon drums, which appeared to be empty; and a few vehicle parts were also observed on the northern portions of the junkyard within the subject property boundary.

Potential off-site concerns were noted from an emergency generator, which appeared to have a suspected diesel “belly” tank, and a suspected petroleum AST. The generator and tanks appeared to be associated with a structure located adjacent to the west of the canal and to the northwest of the vehicle storage lot observed on the southwestern adjoining property. The suspected petroleum AST appeared to be located within secondary containment. The Bechara canal is located between the ASTs and the subject property. Based on the presence of a hydrologic barrier, this facility is not suspected of negatively impacting the subject property at this time.

Off-site concerns were noted from the Alberic Chrysler, Dodge, Jeep, and Ram car dealership observed on one of the western adjoining properties. An auto service center was observed on the northeastern portion of the property. In addition, at least two emergency generators, which appeared to have suspected diesel “belly” tanks, were observed on the northern portion of one of the car dealership properties.

9.0 PRODUCT INFORMATION

9.1 Purpose

The purpose of this Phase I ESA is to identify, to the extent feasible pursuant to ASTM Standard E1527-21, recognized environmental conditions in connection with the subject property. Per the ASTM standard, the term recognized environmental conditions is defined as, "(1) the presence of *hazardous substances* or *petroleum products* in, on, or at the *subject property* due to a release to the *environment*; (2) the likely presence of *hazardous substances* or *petroleum products* in, on, or at the *subject property* due to a *release* or likely *release* to the *environment*; or (3) the presence of *hazardous substances* or *petroleum products* in, on, or at the *subject property* under conditions that post a *material threat* of a future *release* to the *environment*."

Although performance of this investigation in a manner that is generally consistent with the ASTM Standard E1527-21 is of benefit, it should be recognized that the Standard of "All Appropriate Inquiry" or "good commercial or customary practice" can only be made on a case-by-case basis and is subject to judicial interpretation.

9.2 Scope of Work

This Phase I ESA was conducted in general accordance with ASTM Standard E1527-21, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process." The assessment consisted of four components: records review, site reconnaissance, interviews, and report preparation.

The scope of work does not include an evaluation of asbestos-containing building materials unrelated to releases into the environment; biological agents; cultural and historic resources; ecological resources; endangered species; health and safety; indoor air quality unrelated to releases of hazardous substances or petroleum products into the environment; industrial hygiene; lead-based paint unrelated to releases into the environment; lead in drinking water; mold or microbial growth conditions; PCB-containing building materials such as interior fluorescent light ballasts, paint, and caulk; naturally-occurring radon; regulatory compliance; substances not defined as hazardous substances (including some substances sometimes generally referred to as emerging contaminants) unless or until such substances are classified as a CERCLA hazardous substance; wetlands; soil or groundwater sampling and analysis; site geotechnics (soils, foundations, site retention, etc.); or construction materials testing. Aerostar can provide these additional services, if requested.

9.2.1 Records Review

Historical Research: Sources such as historical aerial photographs, city directories, and fire insurance maps were reviewed, if reasonably ascertainable, to evaluate the historical usage of the subject property and surrounding properties. Additionally, a chain-of-title and an environmental lien search were reviewed if provided by the Users.

Physical Setting Sources: Various maps, reports, and technical publications were reviewed and observations of subject property conditions were made to evaluate the hydrogeological/geological conditions associated with the subject property and surrounding properties. This data can provide pertinent information about the subject property, including soil classification, surface water flow directions, and possibly, an indication of the local directions of surficial aquifer groundwater flow.

Environmental Public Records Review: Reasonably ascertainable local, state, tribal, and federal environmental records and the regulatory database search were reviewed to help assess the likelihood of

problems from migrating hazardous substance or petroleum products. Public records identifying these facilities can provide indications of the potential for recognized environmental conditions to be present at the subject property.

Aerostar obtained, reviewed, and evaluated reasonably ascertainable information from the Client, Users, subject property owner; local, state, tribal, or federal entities; and the environmental regulatory database search. The conclusions and recommendations of this report are based, in part, on this information. The data reviewed during this investigation appeared to be accurate; however, the provided services do not include the verification of the accuracy or authenticity of information provided by others.

9.2.2 Site Reconnaissance

On-site Reconnaissance: Visual and physical inspections conducted as part of this investigation included walking the interior of the subject property and its perimeter, where accessible. Additionally, observations of access to and egress from the subject property were noted, as well as the presence and condition of any on-site buildings, utilities, or other improvements. This visual and physical inspection of the property focused primarily on its surface features.

Off-site Reconnaissance: Off-site reconnaissance conducted as part of this investigation included visual and physical inspections of the adjoining properties from the subject property boundary and from publicly accessible areas. Additionally, a vehicular reconnaissance of the surrounding properties was conducted. During these inspections, an emphasis was placed on observing the operations or conditions exhibiting the potential for recognized environmental conditions. If any sources were identified, the inspector would document the name and location of the facility.

9.2.3 Interviews

Aerostar conducted interviews with available individuals familiar with the subject property, as well as local, state, tribal, or federal agency representatives, regarding issues which could have an adverse effect on the environmental status of the subject property.

Aerostar depends on the Client, tenant, and other subject property personnel to provide data pertinent to determining the environmental status of the subject property, which may or may not exist within public records. The conclusions and recommendations of this report are based, in part, on this information. The data obtained during this investigation appeared to be accurate; however, the provided services do not include the verification of the accuracy or authenticity of information provided by others.

9.2.4 Report Preparation

This report was prepared based upon the information provided by the Client and the User, the observations made during the site reconnaissance, and the information obtained from a review of readily available records. Given the inherent limitations of environmental assessment work, Aerostar will not guarantee that any subject property is free of hazardous or potentially hazardous materials or that latent or undiscovered conditions will not become evident in the future. This report was prepared within the professional conduct of the industry and in accordance with the proposal and the standard terms and conditions presented in the contract. No other warranties, representations, or certifications are made.

9.3 Vapor Intrusion

Aerostar evaluated the potential for vapor intrusion conditions as part of this investigation. A Phase I ESA with recognized environmental conditions associated with volatizing chemicals of concern (such as, but not

limited to, VOCs, SVOC, and Total Petroleum Hydrocarbons (TPH) and the associated subsets of these analyte lists like Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)/Volatile Organic Aromatics (VOAs), PAHs, and Total Recoverable Petroleum Hydrocarbons (TRPH)/TPH [Gasoline Range Organics {GRO}]/TPH [Diesel Range Organics {DRO}]/TPH [Oil Range Organics {ORO}]) being or possibly being present in the subject property's subsurface has the potential for vapor intrusion to occur in the current and/or future structure(s) at the subject property.

9.4 Limitations

Aerostar has prepared this assessment for the Client and User. Aerostar's assessment represents a review of certain information relating to the subject property that was obtained by methods described above and does not include sampling or other monitoring activities at the property. While Aerostar has used reasonable care to avoid reliance upon data and information that is inaccurate, Aerostar is not able to verify the accuracy or completeness of all data and information available during the investigation. Some of the conclusions in this report would be different if the information upon which they are based is determined to be false, inaccurate, or incomplete.

Aerostar makes no legal representations whatsoever concerning any matter including, but not limited to, ownership of any property or the interpretation of any law. Aerostar further disclaims any obligations to update the report for events taking place after the time during which the assessment was conducted.

This report is not a comprehensive site characterization and should not be construed as such. The opinions presented in this report are based upon the findings derived from a site reconnaissance, a limited review of specified regulatory records and historical sources, and comments made by the interviewees.

Phase I ESAs, by their very nature, are limited. Aerostar has endeavored to meet what it believes is the applicable standard of care, and, in doing so, is obliged to advise the Client and User of Phase I ESA limitations. Aerostar believes that providing information about limitations is essential to help the Client and User identify and thereby manage its risks. Through additional research, these risks can be mitigated, but they cannot be eliminated. Aerostar will, upon request, advise the Client and User of the additional research opportunities available, their impact, and their cost.

As noted above, the Phase I ESA was conducted at the referenced subject property, and this report was prepared for the sole use of the Client and User. This report shall not be relied upon by or transferred to any other party without the express written authorization of Aerostar.

Along with all of the limitations set forth in various sections of the ASTM Standard E1527-21 protocol, the accuracy and completeness of this report is necessarily limited by the following:

- An environmental lien search was not conducted.
- Interviews were not conducted with the Site Owner, User, or local regulatory officials.
- Heavy vegetative groundcover and/or standing water prevented a thorough inspection of the subject property.

9.4.1 Data Gaps

Data gaps are the lack or inability to obtain information required by ASTM Standard E1527-21 despite good faith efforts to gather such information, such as, but not limited to, the inability to conduct a site visit, inability to conduct interviews, and the inability to establish historical uses of the subject property or surrounding properties. Not all data gaps are significant, and a data gap will only be discussed in this section

if: 1) a data gap occurs during investigation; and 2) the data gap impairs Aerostar's ability to meet the objectives of ASTM Standard E1527-21.

Historical Data Source Failures: Aerial photographs were not available for review prior to 1967. City directories for the City of San Juan did not provide coverage of the investigation area prior to 1963 or after 1969. Sanborn Fire Insurance Maps were not available for the subject property. An environmental lien search was not provided by the User. The historical records readily available for review did not allow the property's history to be traced back to 1940 or to the property's first developed use (whichever is earlier), which constitutes historical data failure per ASTM Standard E1527-21 § 8.3.6.

The Site Owner, User, and local regulatory officials were not interviewed as part of this investigation. This was identified as a significant data gap.

9.5 Special Terms and Conditions

This report, and the information contained herein, shall be the sole property of Aerostar until payment of any unpaid balance is made in full. The Client and User agree that until payment is made in full, the Client and User shall not have a proprietary interest in this report or the information contained herein. Aerostar shall have the absolute right to request the return of any and all copies of this report submitted to other parties, public or private, on behalf of the Client and User in the event of nonpayment of outstanding fees by the Client pursuant to Aerostar's proposal.

9.6 User Reliance

This report is intended for the sole use of Client and User. Its contents may not be relied upon by other parties without the explicit written consent of Aerostar. This is not a statement of suitability of the property for any use or purpose.

10.0 USER PROVIDED INFORMATION

10.1 Title Records

A chain-of-title report for the subject property was not provided to Aerostar by the User or Client.

10.2 Environmental Liens or Activity and Use Limitations

An environmental lien search for the subject property was not provided to Aerostar by the User or Client.

10.3 Specialized Knowledge

The User did not indicate that they have any specialized knowledge associated with the subject property.

10.4 Commonly Known or Reasonably Ascertainable Information

The User did not indicate that they have any commonly known or reasonable ascertainable information for the subject property (such as, the past uses; chemicals used, spills, and/or cleanups).

10.5 Valuation Reduction for Environmental Issues

The User did not respond as to if the value of the property indicated the possible presence of contamination.

10.6 Owner, Property Manager, and Occupant Information

According to one of the 2023 reports provided by the U.S. Army Corps of Engineers (USACE), the property is owned by the Puerto Rico government. The subject property is primarily undeveloped; however, a car wash and paved storage lot partially encroach onto the northeastern portion of the subject property, and a junkyard partially encroaches onto the southwestern portion of the subject property.

10.7 Reason for Performing Phase I ESA

The User indicated that the Phase I ESA is being performed as due diligence prior to the use of the property by the USACE.

10.8 Degree of Obviousness

The User did not respond as to whether there were any obvious indicators that contamination is present or likely present at the subject property.

10.9 Other

The User provided Aerostar with copies of the following reports conducted on the subject property:

- Final Geotechnical Data Report, dated July 24, 2023
- Wetland Jurisdictional Determination Delineation and Flora and Fauna Report, dated July 21, 2023

The reports were discussed further in Section 3.1.5 of this report.

11.0 NON-ASTM SCOPE ITEMS

Under the terms of the agreement between the Client and Aerostar, no additional services were provided in association with the Phase I ESA. There may be environmental issues or conditions at a property that the Client may wish to assess in connection with commercial real estate that are outside the scope of this practice (non-scope considerations). No implication is intended as to the relative importance of inquiry into such non-scope considerations, and this list of non-scope considerations is not intended to be all inclusive: asbestos-containing building materials unrelated to releases into the environment; biological agents; cultural and historic resources; ecological resources; endangered species; health and safety; indoor air quality unrelated to releases of hazardous substances or petroleum products into the environment; industrial hygiene; lead-based paint unrelated to releases into the environment; lead in drinking water; mold or microbial growth conditions; PCB-containing building materials such as interior fluorescent light ballasts, paint, and caulk; naturally-occurring radon; regulatory compliance; substances not defined as hazardous substances (including some substances sometimes generally referred to as emerging contaminants) unless or until such substances are classified as a CERCLA hazardous substance; and wetlands.

APPENDIXES

APPENDIX A

SUBJECT PROPERTY PHOTOGRAPHS

1) Looking southwest along the present-day access road (Calle Principal) at a general view of the subject property.

2) View of typical miscellaneous trash and debris observed on the northeastern portion of the subject property.

3) View of the PMT observed on the northeastern portion of the subject property.

4) Looking northeast at the car wash and paved storage lot which partially encroach onto the northeastern portion of the subject property.

5) View of three large concrete culvert pipes observed on the northern portion of the subject property.

6) View of the remnants of a soil berm observed on the northeastern portion of the subject property.

7) View of typical miscellaneous trash and debris observed on the northeastern portion of the subject property in the vicinity of the remnants of the soil berms.

8) Looking southwest at a typical view of the southeastern half of the subject property.

9) View of small pieces of miscellaneous debris which was observed on the southeastern half of the subject property. The miscellaneous debris was also observed throughout other portions of the property.

10) View of a small mound of soil observed on the southwestern portion of the subject property.

11) View of pieces of plastic and glass observed within the mound of soil.

12) View of the junkyard on the southwestern portion of the subject property.

13) View of the junkyard on the southwestern portion of the subject property.

14) View of a pile of tires observed at the junkyard on the southwestern portion of the subject property.

15) View of typical low-lying and wooded land observed on the northwestern portion of the subject property.

16) View of typical miscellaneous trash and debris observed on the northwestern portion of the subject property.

17) View of typical miscellaneous trash and debris observed on the northwestern portion of the subject property.

18) View of typical miscellaneous trash and debris observed on the northwestern portion of the subject property.

19) View of a typical pile of asphalt observed along the present-day access road (Calle Principal) during a second site visit conducted in October 2024.

20) View of typical piles of asphalt observed along the present-day access road (Calle Principal) during a second site visit conducted in October 2024.

21) View of the remnants of a soil berm observed on the northeastern portion of the subject property during a second site visit conducted in October 2024.

22) View of the remnants of a soil berm observed on the northeastern portion of the subject property during a second site visit conducted in October 2024.

23) View of a few pallets observed on the northeastern portion of the subject property during a second site visit conducted in October 2024.

24) View of a suspected former target stand observed in the vicinity of the soil berms on the northeastern portion of the subject property during a second site visit conducted in October 2024.

25) Looking south across the John F. Kennedy Expressway service road at the car dealership observed on one of the northern adjoining properties.

26) Looking north at typical commercial structures observed on the northern adjoining properties.

27) Looking southeast along Calle Guillermo Ortiz Gonzalez at the entrance to the Puerto Nuevo RWWTP observed on the northeastern adjoining property.

28) Looking southeast at the southeastern adjoining property.

29) Looking south at the junkyard observed on the southern adjoining property.

30) Looking southeast at the Bechara Canal observed on the southwestern adjoining property.

31) Looking east across the intersection of Calle H. Mariani Peraita and Calle Blay at a vehicle storage lot observed on the southwestern adjoining property.

32) Looking east at an emergency generator and a suspected petroleum AST observed adjacent to the northwest of the southwestern adjoining property.

33) Looking east at the car dealership observed on one of the western adjoining properties.

34) Looking northwest across the John F. Kennedy Expressway at the Port Area of San Juan observed on the northwestern adjoining property.

APPENDIX B

SUBJECT PROPERTY MAPS

Aerostar Environmental and Construction LLC

3550 St. Johns Bluff Rd S • Jacksonville, FL 32224
(904) 565-2820 • www.bbch-llc.com

Street Site Location

Bechara MMA
U.S. Army Corps of Engineers
Rio Puerto Nuevo
San Juan, Puerto Rico

Project No.:	1RC01.1078.0001.05
Drawn By:	KA
Reviewed By:	FR
Approved By:	FR
Date:	Oct 2024

FIGURE NUMBER **1**

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Aerostar Environmental and Construction LLC
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Site Plan

Bechara MMA
U.S. Army Corps of Engineers
Rio Puerto Nuevo
San Juan, Puerto Rico

Project No.:	1RC01.1078.0001.05
Drawn By:	KA
Reviewed By:	FR
Approved By:	FR
Date:	Oct 2024

FIGURE NUMBER **2**

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APPENDIX C

PROPERTY RECORD INFORMATION

PROPERTY RECORD INFORMATION IS NOT PROVIDED AS PART OF THIS ASSESSMENT

APPENDIX D

HISTORICAL REFERENCES DOCUMENTATION

Bechara Lands BEA

Calle Principal

San Juan, PR 00920

Inquiry Number: 7705132.8

July 16, 2024

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

07/16/24

Site Name:

Bechara Lands BEA
Calle Principal
San Juan, PR 00920
EDR Inquiry # 7705132.8

Client Name:

Aerostar SES LLC
3550 St. Johns Bluff Road South
Jacksonville, FL 32703
Contact: Kevin Ashman

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
1995	1"=500'	Acquisition Date: December 01, 1995	USGS/DOQQ
1993	1"=500'	Flight Date: December 12, 1993	USGS
1989	1"=500'	Flight Date: March 31, 1989	USGS
1974	1"=500'	Flight Date: January 17, 1974	USGS
1967	1"=500'	Flight Date: September 25, 1967	USGS

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INQUIRY #: 7705132.8
YEAR: 1967
= 500'
N
EDR

INQUIRY #: 7705132.8
YEAR: 1974
= 500'
N
EDR

1981 Aerial Photograph

Bechara MMA
U.S. Army Corps of Engineers
Rio Puerto Nuevo
San Juan, Puerto Rico

Aerostar Environmental and Construction LLC
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Project No.:	1RC01.1078.0001.05
Drawn By:	KA
Reviewed By:	FR
Approved By:	FR
Date:	Oct 2024

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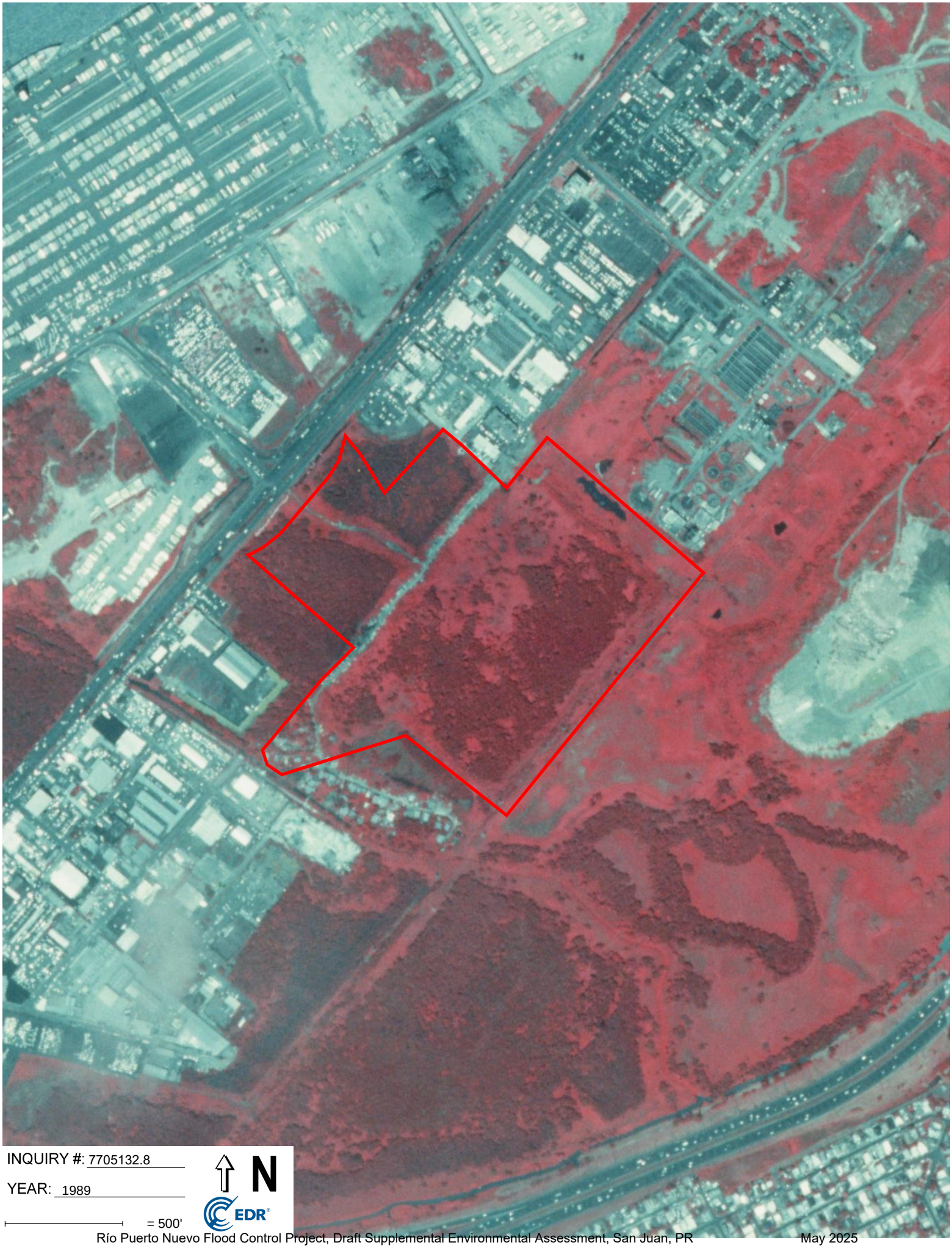
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YEAR: 1989
= 500'
N
EDR

INQUIRY #: 7705132.8

YEAR: 1993

= 500'

N

EDR

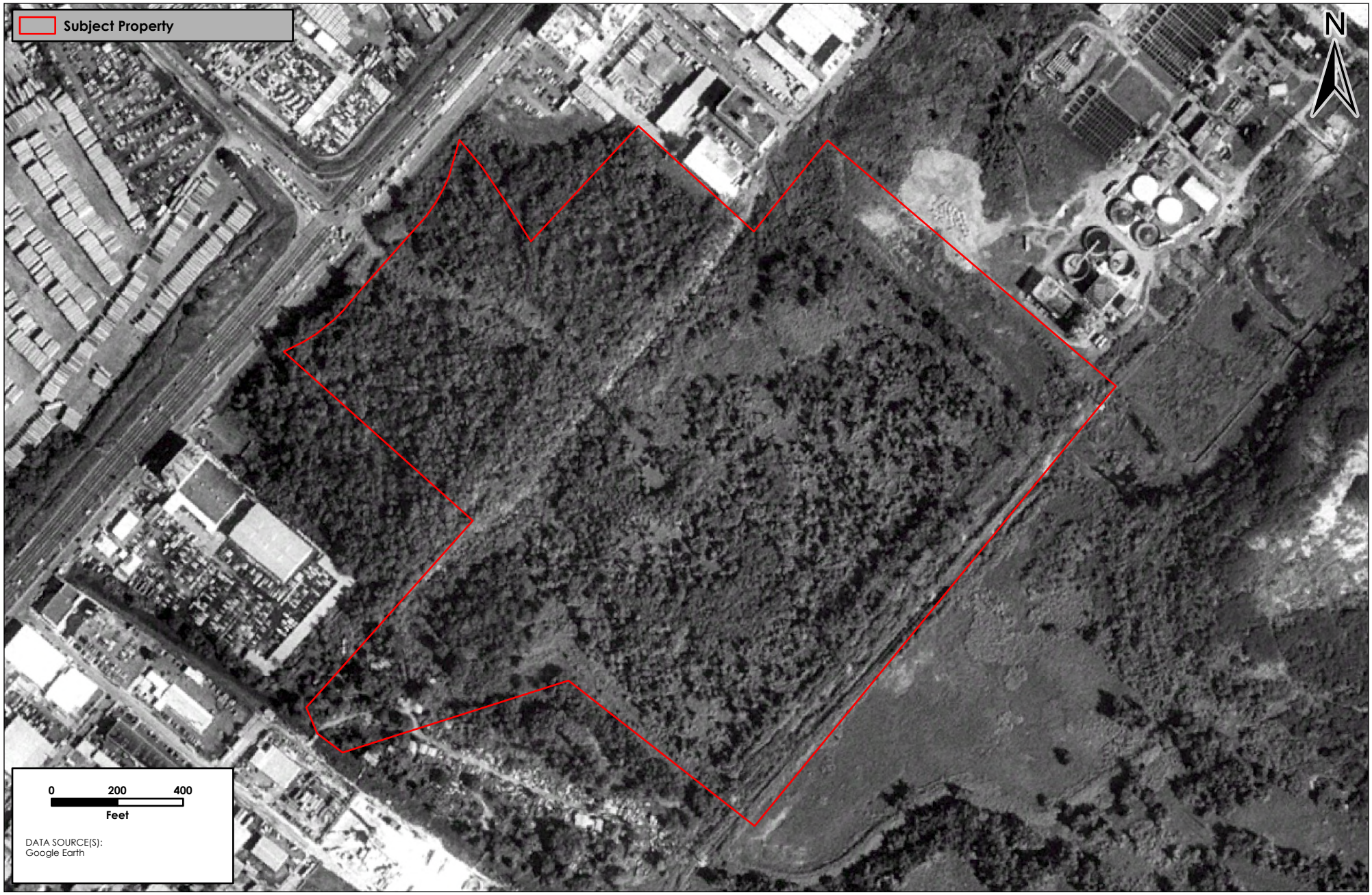
INQUIRY #: 7705132.8

YEAR: 1995

= 500'

N

EDR



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1995 Aerial Photograph

Bechara MMA
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2003 Aerial Photograph

Bechara MMA
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Date:	Oct 2024

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2004 Aerial Photograph

Bechara MMA
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Approved By:	FR
Date:	Oct 2024

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Aerostar Environmental and Construction LLC

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2010 Aerial Photograph

Bechara MMA
U.S. Army Corps of Engineers
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San Juan, Puerto Rico

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Aerostar Environmental and Construction LLC

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2016 Aerial Photograph

Bechara MMA
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Approved By:	FR
Date:	Oct 2024

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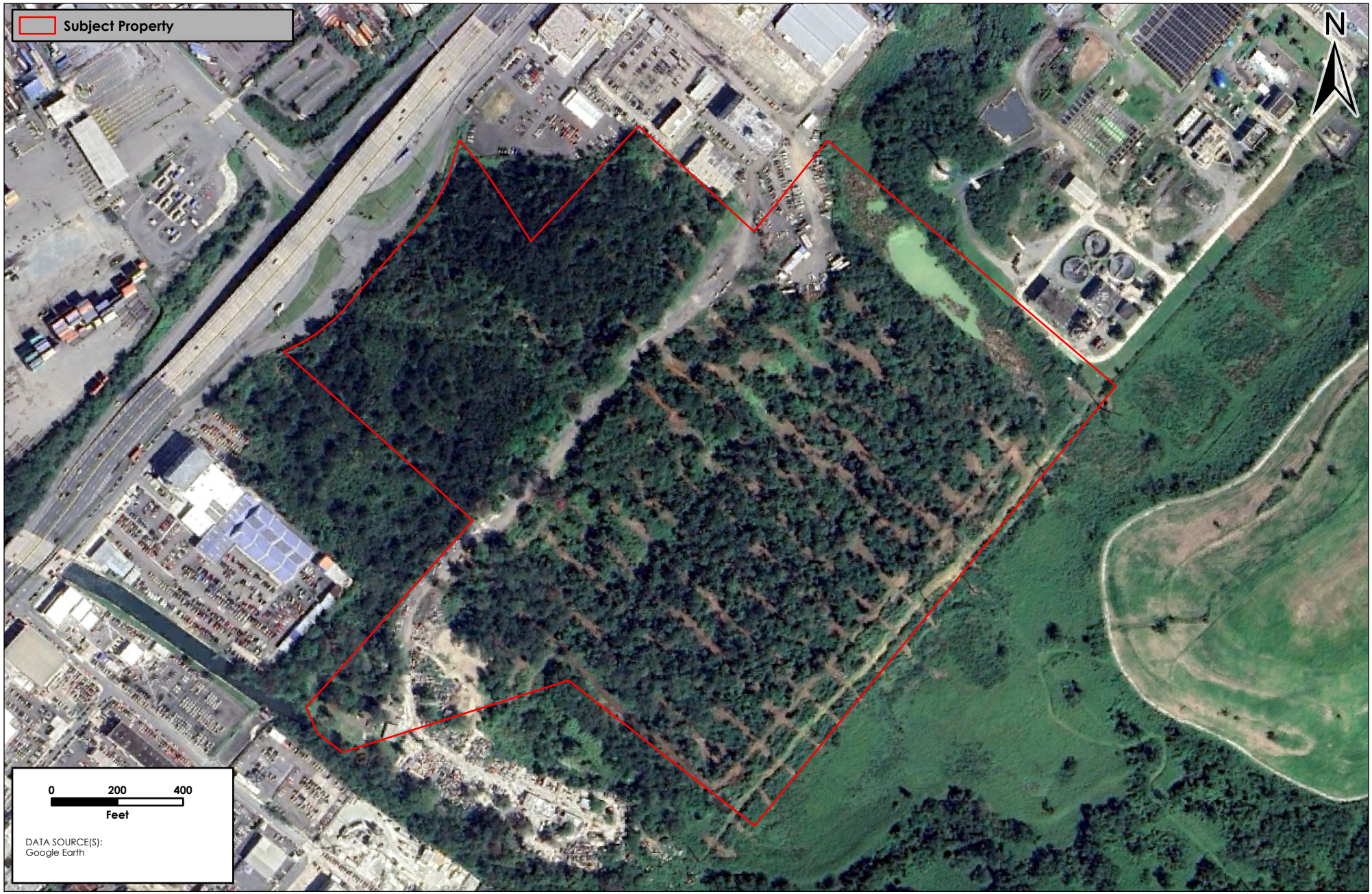

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2023 Aerial Photograph

Bechara MMA
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Date:	Oct 2024

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2024 Aerial Photograph

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Approved By:	FR
Date:	Oct 2024

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Bechara Lands BEA

Calle Principal

San Juan, PR 00920

Inquiry Number: 7705132.4

July 11, 2024

EDR Historical Topo Map Report

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EDR Historical Topo Map Report

07/11/24

Site Name:

Bechara Lands BEA
Calle Principal
San Juan, PR 00920
EDR Inquiry # 7705132.4

Client Name:

Aerostar SES LLC
3550 St. Johns Bluff Road South
Jacksonville, FL 32703
Contact: Kevin Ashman

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Aerostar SES LLC were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# Bechara Lands BEA
Project: 117.24.1078.0001

Coordinates:

Latitude:	18.427507 18° 25' 39" North
Longitude:	-66.089189 -66° 5' 21" West
UTM Zone:	Zone 19 North
UTM X Meters:	807501.58
UTM Y Meters:	2039954.92
Elevation:	0.00' above sea level

Maps Provided:

2018
2013
1982
1969
1963
1957
1949
1947
1941

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Topo Sheet Key

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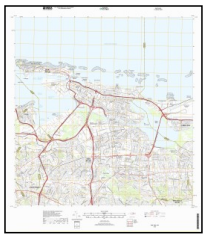
2018 Source Sheets



San Juan
2018
7.5-minute, 24000

2013 Source Sheets

San Juan
2013
7.5-minute, 24000

1982 Source Sheets

San Juan
1982
7.5-minute, 20000
Aerial Photo Revised 1977

1969 Source Sheets

San Juan
1969
7.5-minute, 20000
Aerial Photo Revised 1967

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1963 Source Sheets

San Juan
1963
7.5-minute, 20000
Aerial Photo Revised 1962

1957 Source Sheets

San Juan
1957
7.5-minute, 20000

1949 Source Sheets

San Juan
1949
7.5-minute, 30000

1947 Source Sheets

San Juan
1947
7.5-minute, 30000

Topo Sheet Key

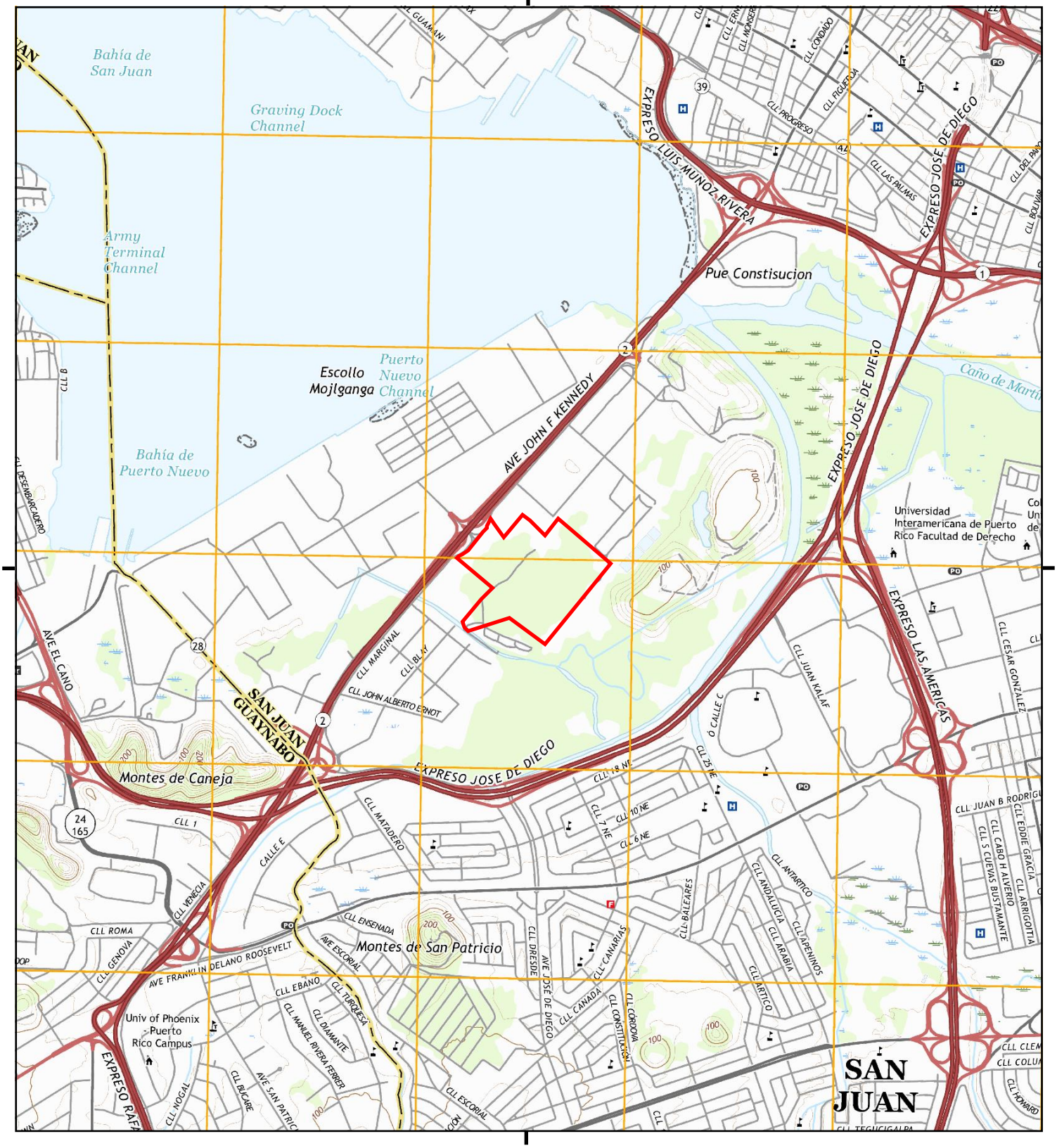
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1941 Source Sheets

San Juan
1941
7.5-minute, 30000

Historical Topo Map

2018



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

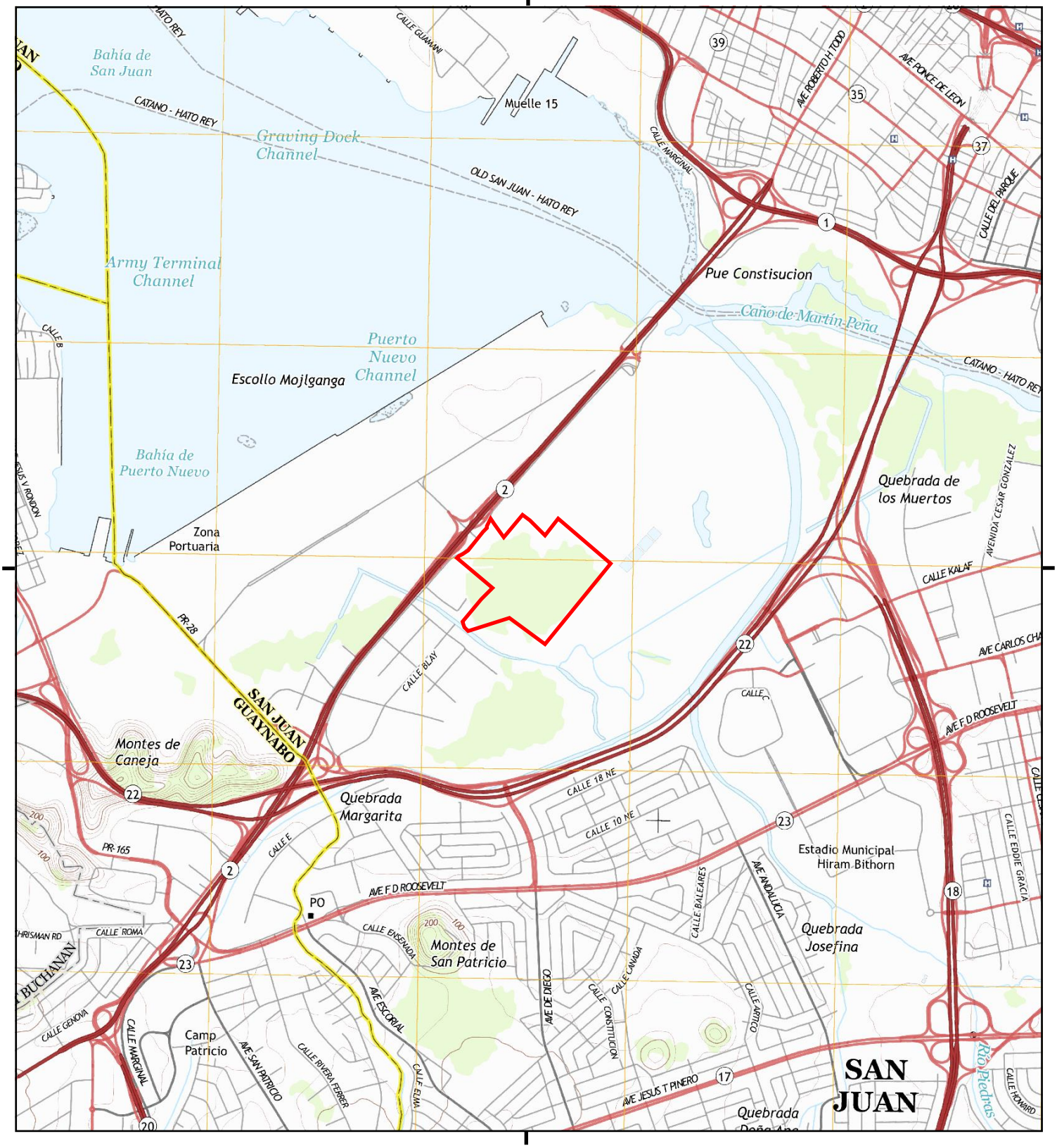
TP, San Juan, 2018, 7.5-minute

SITE NAME: Bechara Lands BEA
ADDRESS: Calle Principal
San Juan, PR 00920
CLIENT: Aerostar SES LLC

N

Historical Topo Map

2013



This report includes information from the following map sheet(s).

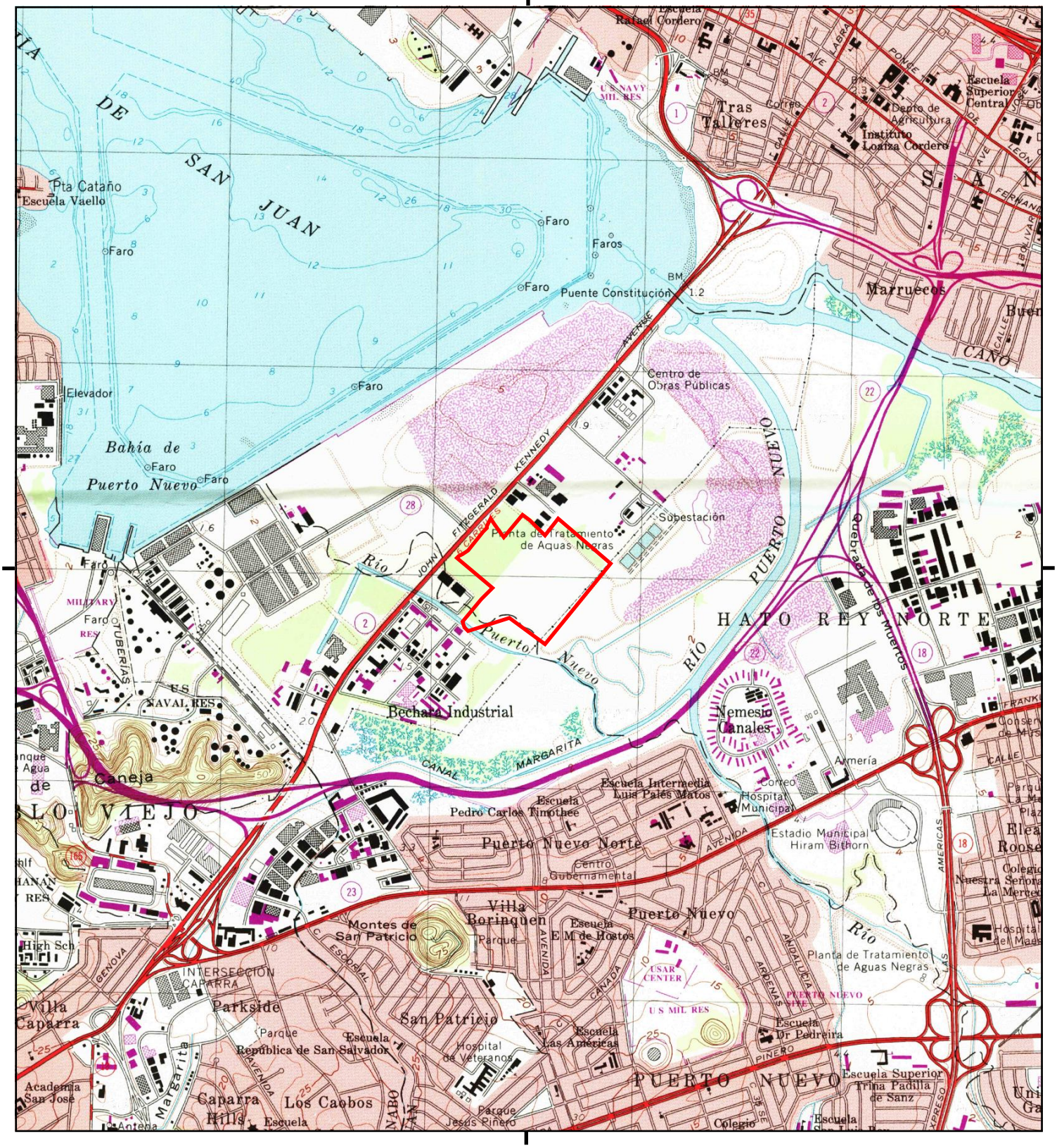
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Juan, 2013, 7.5-minute

SITE NAME: Bechara Lands BEA
ADDRESS: Calle Principal
San Juan, PR 00920
CLIENT: Aerostar SES LLC

N



This report includes information from the following map sheet(s).

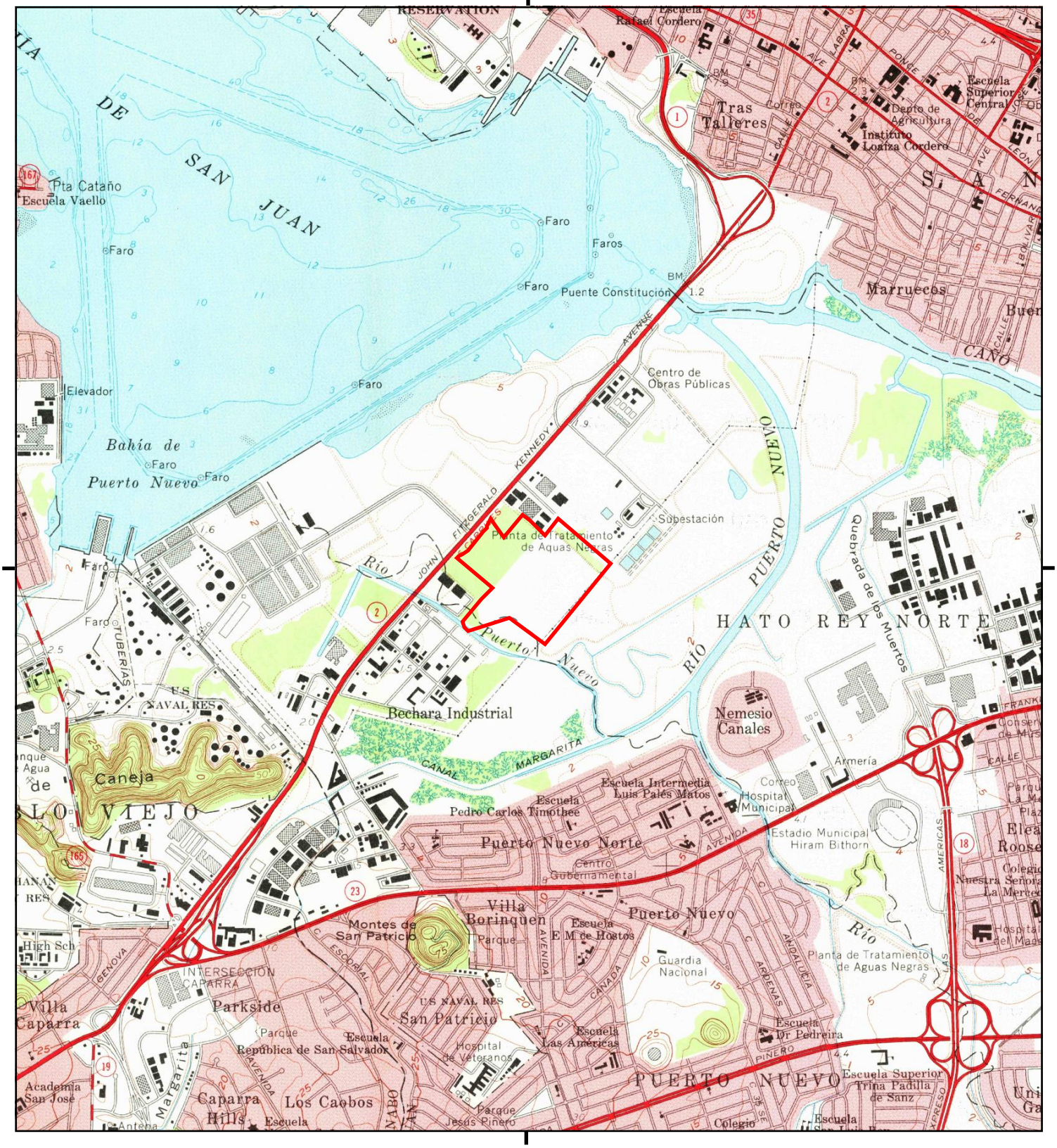
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Juan, 1982, 7.5-minute

SITE NAME: Bechara Lands BEA
ADDRESS: Calle Principal
San Juan, PR 00920
CLIENT: Aerostar SES LLC

N



This report includes information from the following map sheet(s).

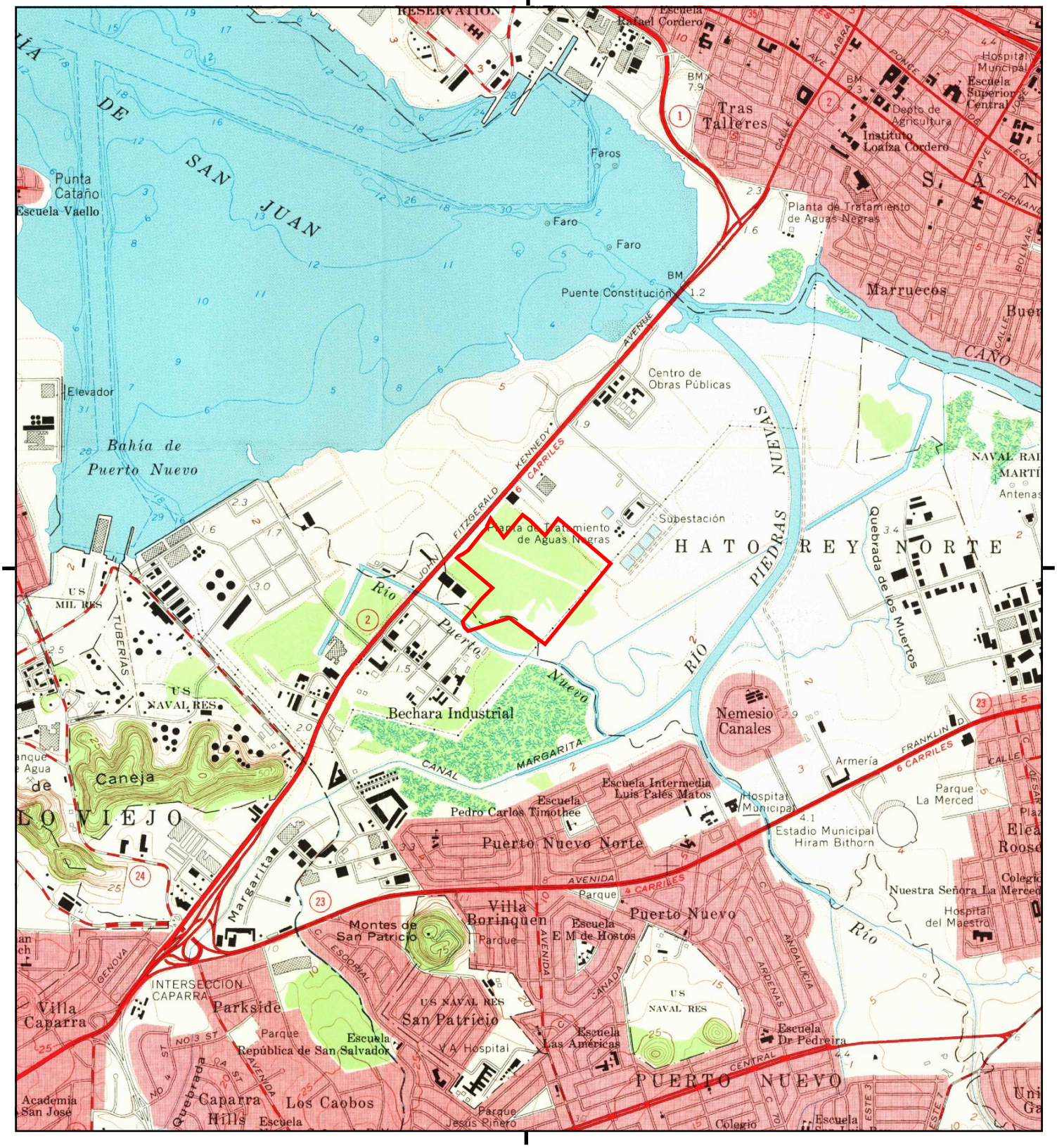
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Juan, 1969, 7.5-minute

SITE NAME: Bechara Lands BEA
ADDRESS: Calle Principal
San Juan, PR 00920
CLIENT: Aerostar SES LLC

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

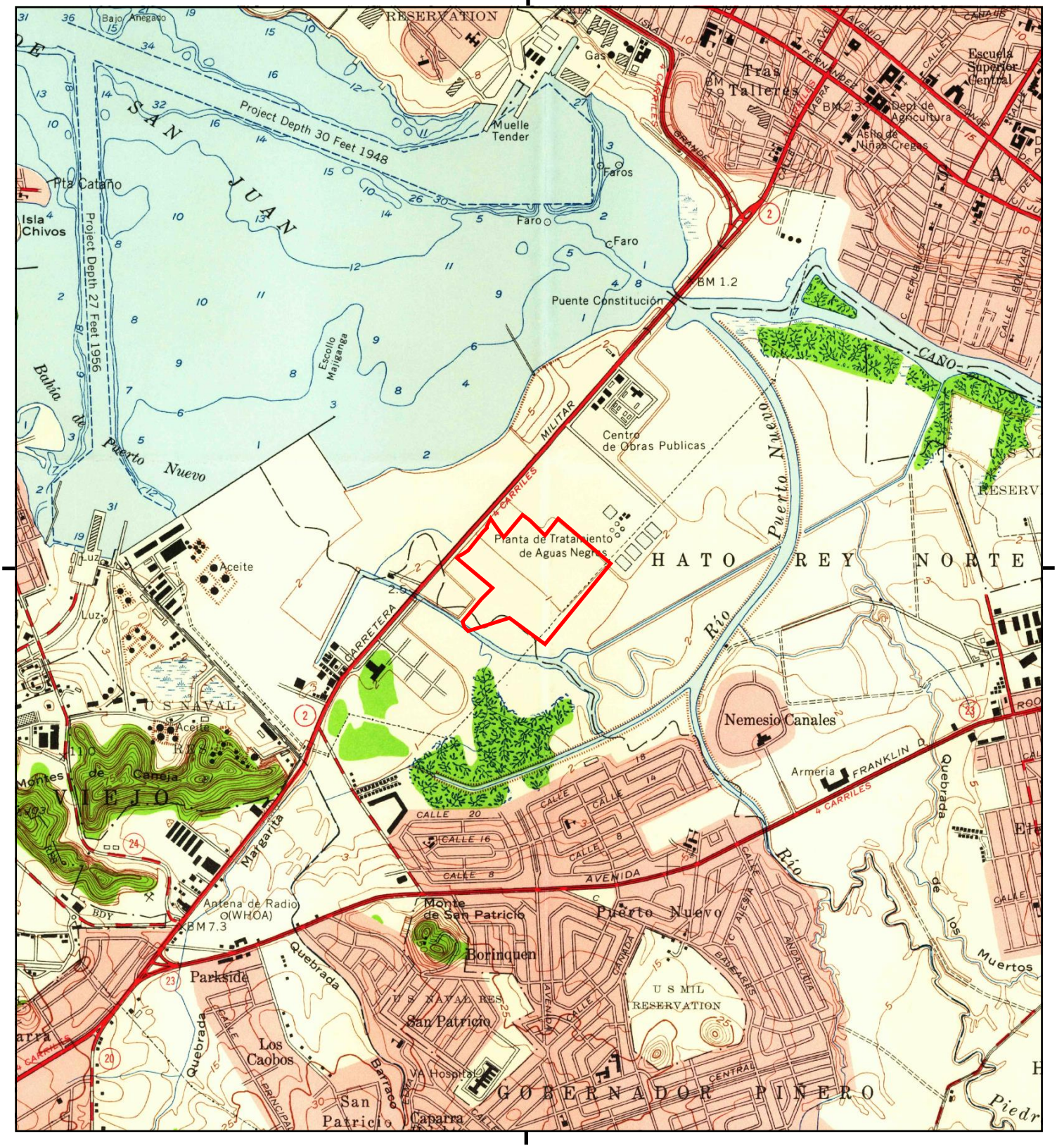
TP, San Juan, 1963, 7.5-minute

SITE NAME: Bechara Lands BEA
ADDRESS: Calle Principal
San Juan, PR 00920
CLIENT: Aerostar SES LLC

N

Historical Topo Map

1957



This report includes information from the following map sheet(s).

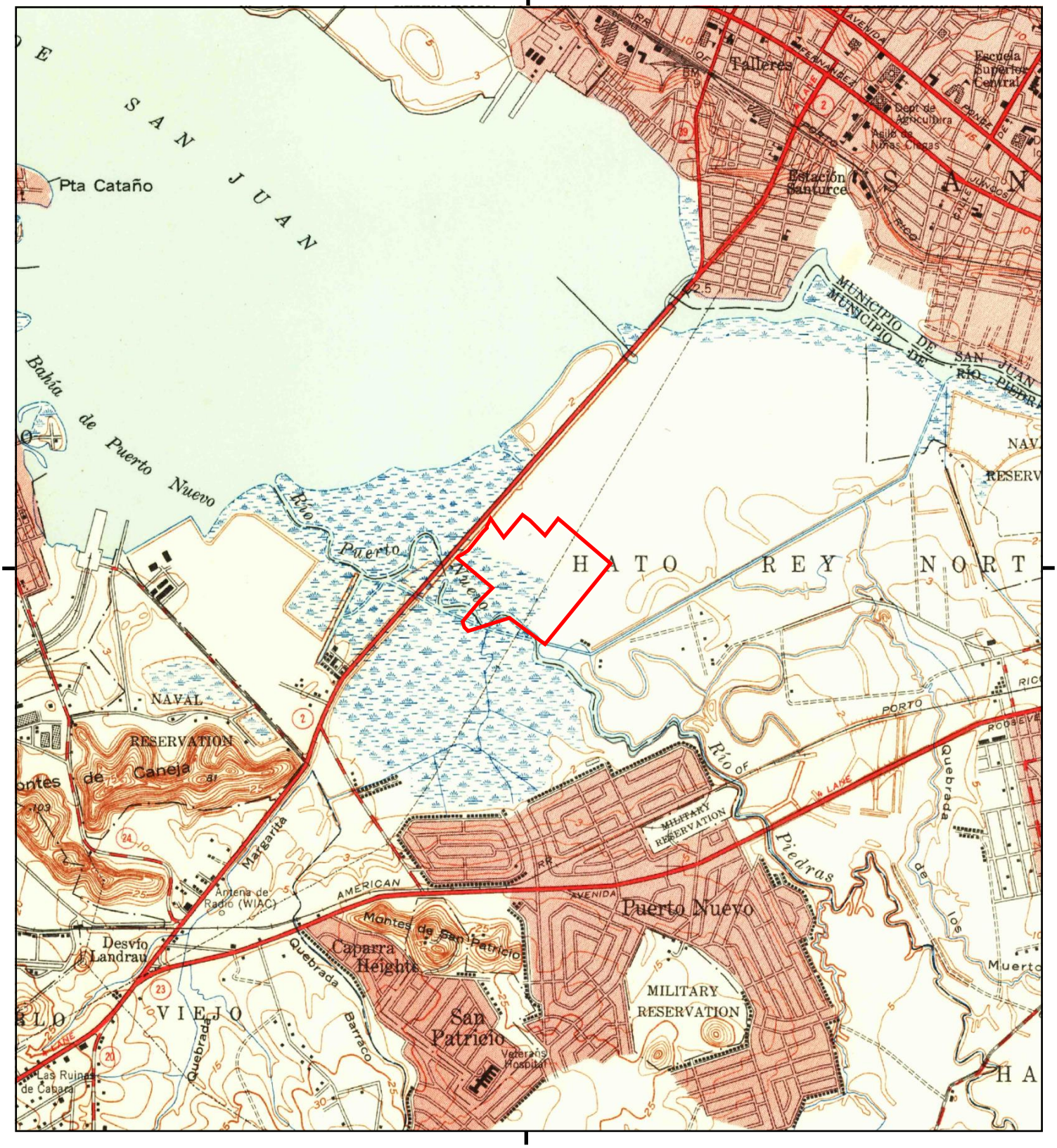
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Juan, 1957, 7.5-minute

SITE NAME: Bechara Lands BEA
ADDRESS: Calle Principal
San Juan, PR 00920
CLIENT: Aerostar SES LLC

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Juan, 1949, 7.5-minute

SITE NAME: Bechara Lands BEA
ADDRESS: Calle Principal
San Juan, PR 00920
CLIENT: Aerostar SES LLC

N

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Juan, 1947, 7.5-minute

SITE NAME: Bechara Lands BEA
ADDRESS: Calle Principal
San Juan, PR 00920
CLIENT: Aerostar SES LLC

N

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Juan, 1941, 7.5-minute

SITE NAME: Bechara Lands BEA
ADDRESS: Calle Principal
San Juan, PR 00920
CLIENT: Aerostar SES LLC

N

Aerostar Environmental and Construction LLC 3550 St. Johns Bluff Rd S • Jacksonville, FL 32224 (904) 565-2820 • www.bbch-llc.com	**Topographic Site Location** **Bechara MMA** **U.S. Army Corps of Engineers** **Rio Puerto Nuevo** **San Juan, Puerto Rico**	Project No.: 1RC01.1078.0001.05 Drawn By: KA Reviewed By: FR Approved By: FR Date: Oct 2024

J:\Proj_21-25\AEC 2024\1RC01.1078.0001.05\6_Graphics\Bechara Lands.aprx

Bechara Lands BEA

Calle Principal

San Juan, PR 00920

Inquiry Number: 7705132.3

July 11, 2024

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

07/11/24

Site Name:

Bechara Lands BEA
Calle Principal
San Juan, PR 00920
EDR Inquiry # 7705132.3

Client Name:

Aerostar SES LLC
3550 St. Johns Bluff Road South
Jacksonville, FL 32703
Contact: Kevin Ashman

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Aerostar SES LLC were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # DD4F-43FC-B0B3

PO # Bechara Lands BEA

Project 117.24.1078.0001

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: DD4F-43FC-B0B3

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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APPENDIX E

REGULATORY DATABASE REPORT AND REGULATORY RECORDS

Bechara Lands BEA
Calle Principal
San Juan, PR 00920

Inquiry Number: 7705132.2s
July 11, 2024

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	41
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-8
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

CALLE PRINCIPAL
SAN JUAN, PR 00920

COORDINATES

Latitude (North):	18.4275070 - 18° 25' 39.02''
Longitude (West):	66.0891890 - 66° 5' 21.08''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	807506.1
UTM Y (Meters):	2039832.4
Elevation:	0 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12367789 SAN JUAN, PR
Version Date:	2018

MAPPED SITES SUMMARY

Target Property Address:
CALLE PRINCIPAL
SAN JUAN, PR 00920

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	TRANSPORTATION OFFIC	P.R. 2 KM. 2.1 (KENN	UST	Higher	908, 0.172, NNE
2	PRASA PUERTO NUEVO		EPA WATCH LIST, PFAS ECHO	Higher	935, 0.177, ENE
A3	GULF #040	AVE. KENNEDY CARR. 2	LUST	Higher	1020, 0.193, WSW
A4	GULF #040	AVE. KENNEDY URB IND	UST	Higher	1020, 0.193, WSW
A5	AUTOS VEGA INC	KENNEDY AVE KM 3.5	RCRA NonGen / NLR	Higher	1020, 0.193, WSW
A6	AUTOS VEGA, INC.	5 MARGINAL JF KENNED	RCRA-VSQG, E MANIFEST	Higher	1020, 0.193, WSW
A7	ESSO S/S CO-040	PI EIRO AVE. #1024 P	UST	Higher	1020, 0.193, WSW
A8	CARIBBEAN PETROLEUM	CARR 2 KM 1.0 AVE KE	RCRA NonGen / NLR	Higher	1020, 0.193, WSW
A9	LOM SERVICE STATION	STATE ROAD NO. 1 KM	UST	Higher	1020, 0.193, WSW
A10	EUROCIASS MOTORS INC	KENNEDY AVE KM 3.5 -	RCRA NonGen / NLR	Higher	1020, 0.193, WSW
11	ISLA VERDE TRANSPORT	STATE ROAD #28 C AVE	SEMS-ARCHIVE	Higher	1313, 0.249, NW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROLS ---------- Institutional Controls Sites List

Federal ERNS list

ERNS ---------- Emergency Response Notification System

Lists of state- and tribal hazardous waste facilities

SHWS ..... This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

Lists of state and tribal leaking storage tanks

INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST ..... Underground Storage Tank Listing
INDIAN UST ..... Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP ..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
ODI ..... Open Dump Inventory
IHS OPEN DUMPS ..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ..... Delisted National Clandestine Laboratory Register
US CDL ..... National Clandestine Laboratory Register

Local Land Records

LIENS 2 ..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System

Other Ascertainable Records

FUDS ..... Formerly Used Defense Sites
DOD ..... Department of Defense Sites
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ..... Financial Assurance Information
EPA WATCH LIST ..... EPA WATCH LIST
2020 COR ACTION ..... 2020 Corrective Action Program List
TSCA ..... Toxic Substances Control Act

TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
MINES MRDS	Mineral Resources Data System
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TRIS	List of PFAS Added to the TRI
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO FIRE TRAIN	Facilities in Industries that May Be Handling PFAS Listing
PFAS PT 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
BIOSOLIDS	ICIS-NPDES Biosolids Facility Data
UST FINDER RELEASE	UST Finder Releases Database
UST FINDER	UST Finder Database
PFAS PROJECT	NORTHEASTERN UNIVERSITY PFAS PROJECT

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LUST ---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 04/22/2024 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ISLA VERDE TRANSPORT Site ID: 0203645 EPA Id: PRD987379013	STATE ROAD #28 C AVE	NW 1/8 - 1/4 (0.249 mi.)	11	39

Lists of Federal RCRA generators

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA)

of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 06/03/2024 has revealed that there is 1 RCRA-VSQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AUTOS VEGA, INC. EPA ID:: PRD987380672	***5 MARGINAL JF KENNED***	***WSW 1/8 - 1/4 (0.193 mi.)***	***A6***	***14***

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tanks.

A review of the LUST list, as provided by EDR, and dated 09/24/2020 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GULF #040 Facility Id: 86-0267	AVE. KENNEDY CARR. 2	WSW 1/8 - 1/4 (0.193 mi.)	A3	10

Lists of state and tribal registered storage tanks

UST: UST Facilities.

A review of the UST list, as provided by EDR, and dated 01/01/2008 has revealed that there are 4 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRANSPORTATION OFFIC Facility Id: 2-861492 Tank Status: Permanently Out of Use	P.R. 2 KM. 2.1 (KENN	NNE 1/8 - 1/4 (0.172 mi.)	1	8
GULF #040 Facility Id: 2-860267 Tank Status: Currently in Use Tank Status: Permanently Out of Use	AVE. KENNEDY URB IND	WSW 1/8 - 1/4 (0.193 mi.)	A4	10
ESSO S/S CO-040 Facility Id: 2-861137 Tank Status: Permanently Out of Use Tank Status: Currently in Use	PI EIRO AVE. #1024 P	WSW 1/8 - 1/4 (0.193 mi.)	A7	30
LOM SERVICE STATION Facility Id: 2-860592 Tank Status: Permanently Out of Use	STATE ROAD NO. 1 KM	WSW 1/8 - 1/4 (0.193 mi.)	A9	34

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/03/2024 has revealed that there are 3 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AUTOS VEGA INC EPA ID:: PRR000001792	KENNEDY AVE KM 3.5	WSW 1/8 - 1/4 (0.193 mi.)	A5	10
CARIBBEAN PETROLEUM EPA ID:: PRR000008581	CARR 2 KM 1.0 AVE KE	WSW 1/8 - 1/4 (0.193 mi.)	A8	30
EUROCIASS MOTORS INC EPA ID:: PRR000001818	KENNEDY AVE KM 3.5 -	WSW 1/8 - 1/4 (0.193 mi.)	A10	34

PFAS ECHO: Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

A review of the PFAS ECHO list, as provided by EDR, and dated 12/28/2023 has revealed that there is 1 PFAS ECHO site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PRASA PUERTO NUEVO		***ENE 1/8 - 1/4 (0.177 mi.)***	***2***	***8***

E MANIFEST: EPA established a national system for tracking hazardous waste shipments electronically. This system, known as ?e-Manifest,? will modernize the nation?s cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

A review of the E MANIFEST list, as provided by EDR, and dated 07/24/2023 has revealed that there is 1 E MANIFEST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AUTOS VEGA, INC.	***5 MARGINAL JF KENNED***	***WSW 1/8 - 1/4 (0.193 mi.)***	***A6***	***14***

Due to poor or inadequate address information, the following sites were not mapped. Count: 55 records.

Site Name	Database(s)
GULF #058	LUST
SHELL #3697	LUST
GSA CENTER	LUST
HOLLY LAND, INC.	LUST
GULF # 395	LUST
FORTO CHEMICAL	LUST
PRTC/ REMOTO VII	LUST
TEXACO # 285	LUST
OLYMPIC MILLS INC.	LUST
CITGO LA MUDA	LUST
LA RIVIERA S/S 215	LUST
	LUST
PUERTO NUEVO S/S #220	LUST
RAMON RODRIGUEZ #311	LUST
SHELL 804967	LUST
EX-ESSO CO 182	LUST
COMPLEJO MEDICO SOCIAL ANTILLANA	LUST
OBRAS P BLICAS MUNICIPAL	LUST
ANTIGUO EDIFICIO TEXACO	LUST
APOLO S/S #366	LUST
SHELL S/S #0310	LUST
GULF #010	LUST
ENG. JOSE BETANCOURT	LUST
CENTERS DISEASE CONTROL	LUST
GULF 399	LUST
ESSO S/S 79205	LUST
PEDRO RODRIGUEZ	LUST
SHEL # 0337	LUST
GULF #458	LUST
VENUS GARDENS S/S 388	LUST
ESSO 3P-219	LUST
AMERICAN INDUSTRIAL CO	LUST
SHELL #3786	LUST
VELVIS DEVELOPMENT CORP.	LUST
ESC. VILLA CAPRI	LUST
TORAL S/S	LUST
GULF 176	LUST
LCO. ANGEL M. RIVERA MUNICH	LUST
ESC. CARMEN SANABRIA	LUST
SHELL 0302	LUST
NUEVA PUERTA	LUST
GULF 436	LUST
HOSP. PEDIATRICO CENTRO MEDICO	LUST
RAMON ACOSTA	LUST
GASOLINAS COQUI	LUST
ESTACION EXPERIMENTAL AGRICOLA	LUST
LOM SERVICE STATION	LUST
ESTACION EXP. AGRICOLA	LUST
FEDERAL INDUSTRIES	LUST
CASABLANCA MOTORS	LUST
SHELL #4770	LUST
ESSO GARAVITO SERVICE STATION	LUST
ESSO CO-186	LUST
ESSO 019	LUST
SHELL #4738	LUST

OVERVIEW MAP - 7705132.2S

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory

0 1/4 1/2 1 Miles

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Bechara Lands BEA	CLIENT: Aerostar SES LLC
ADDRESS: Calle Principal San Juan PR 00920	CONTACT: Kevin Ashman
LAT/LONG: 18.427507 / 66.089189	INQUIRY #: 7705132.2s DATE: July 11, 2024 4:40 pm

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DETAIL MAP - 7705132.2S

Target Property
Sites at elevations higher than or equal to the target property
Sites at elevations lower than the target property
Manufactured Gas Plants
Sensitive Receptors
National Priority List Sites
Dept. Defense Sites

0 1/8 1/4 1/2 Miles

Indian Reservations BIA
Special Flood Hazard Area (1%)
0.2% Annual Chance Flood Hazard
National Wetland Inventory

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Bechara Lands BEA	CLIENT: Aerostar SES LLC
ADDRESS: Calle Principal San Juan PR 00920	CONTACT: Kevin Ashman
LAT/LONG: 18.427507 / 66.089189	INQUIRY #: 7705132.2s DATE: July 11, 2024 4:41 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	1	0	NR	NR	1
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	1	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilities								
SHWS	N/A		N/A	N/A	N/A	N/A	N/A	N/A
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	1	0	NR	NR	1
INDIAN LUST	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST	0.250		0	4	NR	NR	NR	4
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	3	NR	NR	NR	3
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	1	NR	NR	NR	1
PFAS ECHO FIRE TRAIN	0.250		0	0	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	TP		NR	NR	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0
UST FINDER	0.250		0	0	NR	NR	NR	0
E MANIFEST	0.250		0	1	NR	NR	NR	1
PFAS PROJECT	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	0	12	0	0	0	12

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

1
NNE
1/8-1/4
0.172 mi.
908 ft.

TRANSPORTATION OFFICE - PUERTO N — **UST** — **U003430505**
P.R. 2 KM. 2.1 (KENNEDY AVE) PUERTO NUEVO — **N/A**
SAN JUAN, PR 00920

Relative:
Higher

Actual:
0 ft.

UST:

Facility ID:	2-861492
Tank Status:	Permanently Out of Use
Substance Description:	Diesel
Facility ID:	2-861492
Tank Status:	Permanently Out of Use
Substance Description:	Gasoline
Facility ID:	2-861492
Tank Status:	Permanently Out of Use
Substance Description:	Gasoline
Facility ID:	2-861492
Tank Status:	Permanently Out of Use
Substance Description:	Gasoline

2
ENE
1/8-1/4
0.177 mi.
935 ft.

PRASA PUERTO NUEVO — **EPA WATCH LIST** — **1016461435**
PFAS ECHO — **N/A**
SAN JUAN, PR

Relative:
Higher

Actual:
0 ft.

EPA WATCH LIST:

Facility ID:	PR0021555
Program:	CWA Facilities
List date:	August 2013 Watch List

PFAS ECHO:

Name:	PRASA PUERTO NUEVO
Address:	Not reported
City,State,Zip:	SAN JUAN, PR
Latitude:	18.430087
Longitude:	-66.084137
Count:	1
County:	SAN JUAN MUNICIPIO
Status:	Active
Region:	02
Industry:	Waste Management
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110006622823
Facility Percent Minority:	98.577
Facility Derived Tribes:	-
Facility Population:	9370.1
EPA Programs:	CAA; CWA; RCRA
Federal Facility:	No
Federal Agency:	-
Facility FIPS Code:	72127
Facility Indian Country Flag:	N
Facility Collection Method:	INTERPOLATION-PHOTO
Facility Derived HUC:	21010005
Facility Derived WBD:	210100050502
Facility Derived CD113:	00
Facility Derived CB2010:	721270070042017

PRASA PUERTO NUEVO (Continued) **1016461435**

Facility Major Flag:	Y
Facility Active Flag:	Y
Facility Inspection Count:	4
Facility Date Last Inspection:	9/26/2023
Facility Days Last Inspection:	81
Facility Informal Count:	0
Facility Date Last Informal Action:	12/9/2010
Facility Formal Action Count:	0
Facility Date Last Formal Action:	5/23/2016
Facility Total Penalties:	0
Facility Penalty Count:	-
Facility Date Last Penalty:	8/22/2013
Facility Last Penalty AMT:	99,700
Facility QTRS With NC:	4
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	Y
NPDES Flag:	Y
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AIR IDS:	PR0000007212700047
CAA Permit Types:	Minor Emissions
CAA NAICS:	221320
CAA SICS:	4952
NPDES IDS:	PR0021555 PRL021555
CWA Permit Types:	Major, Non-M
CWA NAICS:	-
CWA SICS:	4952
RCRA IDS:	PRD000691352
RCRA Permit Types:	Other
RCRA NAICS:	22132
SDWA IDS:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA SNC Flag:	N
TRI IDS:	-
TRI Releases Transfers:	-
TRI On Site Releases:	-
TRI Off Site Transfers:	-
TRI Reporter:	-
Facility IMP Water Flag:	Y
EJSCREEN Flag US:	Y
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-66.084137,%22y%22:18.430087,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1

A3 **GULF #040** **LUST** **S104539982**
WSW **AVE. KENNEDY CARR. 2 KM. 2.5 PUERTO NUEVO** **N/A**
1/8-1/4 **SAN JUAN, PR**
0.193 mi.
1020 ft. **Site 1 of 8 in cluster A**

Relative: **Higher**
Actual: **10 ft.**

PR LUST:

Name:	GULF #040
Address:	AVE. KENNEDY CARR. 2 KM. 2.5 PUERTO NUEVO
City,State,Zip:	SAN JUAN, PR
Facility ID:	86-0267
Status:	ACTIVE
Released:	No
Released Date:	Not reported
How Known:	product in well
Date Known:	31-Jul-98
Owner Name:	Caribbean Petroleum

A4 **GULF #040** **UST** **U003429596**
WSW **AVE. KENNEDY URB INDUSTRIAL BECHARA BECHARA** **N/A**
1/8-1/4 **SAN JUAN, PR 00920**
0.193 mi.
1020 ft. **Site 2 of 8 in cluster A**

Relative: **Higher**
Actual: **10 ft.**

UST:

Facility ID:	2-860267
Tank Status:	Currently in Use
Substance Description:	Not reported
Facility ID:	2-860267
Tank Status:	Currently in Use
Substance Description:	Not reported
Facility ID:	2-860267
Tank Status:	Currently in Use
Substance Description:	Not reported
Facility ID:	2-860267
Tank Status:	Permanently Out of Use
Substance Description:	Used Oil

A5 **AUTOS VEGA INC** **RCRA NonGen / NLR** **1001081238**
WSW **KENNEDY AVE KM 3.5** **PRR000001792**
1/8-1/4 **SAN JUAN, PR 00936**
0.193 mi.
1020 ft. **Site 3 of 8 in cluster A**

Relative: **Higher**
Actual: **10 ft.**

RCRA Listings:

Date Form Received by Agency:	20080101
Handler Name:	Autos Vega Inc
Handler Address:	Kennedy Ave Km 3.5
Handler City,State,Zip:	SAN JUAN, PR 00936-4252
EPA ID:	PRR000001792
Contact Name:	JOSE AGUILAR
Contact Address:	PO BOX 364252
Contact City,State,Zip:	SAN JUAN, PR 00936-4252
Contact Telephone:	787-273-0459
Contact Fax:	Not reported

AUTOS VEGA INC (Continued) **1001081238**

Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 364252
Mailing City,State,Zip:	SAN JUAN, PR 00936-4252
Owner Name:	Autos Vega Inc
Owner Type:	Private
Operator Name:	Autos Vega Inc
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

AUTOS VEGA INC (Continued) **1001081238**

Hazardous Waste Summary:
Waste Code: X001
Waste Description: Not Defined

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: AUTOS VEGA INC
Legal Status: Private
Date Became Current: 16000101
Date Ended Current: Not reported
Owner/Operator Address: KENNEDY AVE KM 3.5
Owner/Operator City,State,Zip: SAN JUAN, PR 00936-4252
Owner/Operator Telephone: 787-273-0459
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: AUTOS VEGA INC
Legal Status: Private
Date Became Current: 16000101
Date Ended Current: Not reported
Owner/Operator Address: KENNEDY AVE KM 3.5
Owner/Operator City,State,Zip: SAN JUAN, PR 00936-4252
Owner/Operator Telephone: 787-273-0459
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: AUTOS VEGA INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: KENNEDY AVE KM 3.5
Owner/Operator City,State,Zip: SAN JUAN, PR 00936-4252
Owner/Operator Telephone: 787-273-0459
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20060101
Handler Name: AUTOS VEGA INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Pr
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080101

AUTOS VEGA INC (Continued) **1001081238**

Handler Name: AUTOS VEGA INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19951016
Handler Name: AUTOS VEGA INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Has the Facility Received Notices of Violations:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported

AUTOS VEGA INC (Continued) **1001081238**

SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	19950109
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	R2KEG
Evaluation Responsible Sub-Organization:	RCB
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

A6 **AUTOS VEGA, INC.** **RCRA-VSQG 1000801097**
WSW **5 MARGINAL JF KENNEDY** **E MANIFEST PRD987380672**
1/8-1/4 **SAN JUAN, PR 00920**
0.193 mi.
1020 ft. **Site 4 of 8 in cluster A**

Relative:
Higher

Actual:
10 ft.

RCRA Listings:

Date Form Received by Agency:	20080101
Handler Name:	Autos Vega Inc
Handler Address:	Ave Kennedy Marginal Km 3.5
Handler City,State,Zip:	SAN JUAN, PR 00920
EPA ID:	PRD987380672
Contact Name:	Not reported
Contact Address:	PO BOX 364252
Contact City,State,Zip:	SAN JUAN, PR 00936-4252
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Not reported
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 364252
Mailing City,State,Zip:	SAN JUAN, PR 00936-4252
Owner Name:	Ramon Vega

AUTOS VEGA, INC. (Continued) **1000801097**

Owner Type:	Private
Operator Name:	Ramon Vega
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste
Waste Code:	D018
Waste Description:	Benzene
Waste Code:	D039
Waste Description:	Tetrachloroethylene

Handler - Owner Operator:

AUTOS VEGA, INC. (Continued) **1000801097**

Owner/Operator Indicator: Operator
Owner/Operator Name: RAMON VEGA
Legal Status: Private
Date Became Current: 16000101
Date Ended Current: Not reported
Owner/Operator Address: AVE KENNEDY MARGINAL KM 3.5
Owner/Operator City,State,Zip: SAN JUAN, PR 00921
Owner/Operator Telephone: 787-782-4030
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: RAMON VEGA
Legal Status: Private
Date Became Current: 16000101
Date Ended Current: Not reported
Owner/Operator Address: AVE KENNEDY MARGINAL KM 3.5
Owner/Operator City,State,Zip: SAN JUAN, PR 00921
Owner/Operator Telephone: 787-782-4030
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: RAMON VEGA
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: AVE KENNEDY MARGINAL KM 3.5
Owner/Operator City,State,Zip: SAN JUAN, PR 00921
Owner/Operator Telephone: 787-782-4030
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19990708
Handler Name: AUTOS VEGA INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060101
Handler Name: AUTOS VEGA INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Pr
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

AUTOS VEGA, INC. (Continued) **1000801097**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080101
Handler Name: AUTOS VEGA INC
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920831
Handler Name: AUTOS VEGA INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Has the Facility Received Notices of Violations:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported

AUTOS VEGA, INC. (Continued) **1000801097**

Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Manifest
Date Violation was Determined: 20071212
Actual Return to Compliance Date: 20071227
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No

AUTOS VEGA, INC. (Continued) **1000801097**

Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported

AUTOS VEGA, INC. (Continued) **1000801097**

Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19960703
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier: PRZTV
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20071212
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: ESRL
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20071227
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20051027
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE ASSISTANCE VISIT
Evaluation Responsible Person Identifier: EBAP
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

AUTOS VEGA, INC. (Continued) **1000801097**

Evaluation Date:	19990506
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	PRBAP
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

E MANIFEST:

Manifest Tracking Number:	007095390SKS
Last Updated Date:	20190903
Shipped Date:	20190806
Received Date:	20190806
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PRD987380672
Generator Name:	AUTOS VEGA, INC.
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	5 MARGINAL JF KENNEDY
Generator Mail Street 2:	Marginal
Generator Mail City:	SAN JUAN
Generator Mail State:	PR
Generator Mail Zip:	00920
Generator Location Street Number:	Not reported
Generator Location Street 1:	PO Box 364252
Generator Location Street 2:	Not reported
Generator Location City:	SAN Juan
Generator Location Zip:	00936
Generator Location State:	PR
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	PRD090399718
Designated Facility Name:	Not reported
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	PO Box 31098
Designated Facility Mail City:	Manati
Designated Facility Mail Zip:	00674
Designated Facility Mail State:	PR
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	PO Box 31098
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	Manati
Designated Facility Location Zip:	00674
Designated Facility Location State:	PR
Designated Facility Contact Company Name:	Safety-Kleen Envirosystems Co of Puerto Rico, Inc
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	007971283SKS
Last Updated Date:	20210811

AUTOS VEGA, INC. (Continued) **1000801097**

Shipped Date:	20210714
Received Date:	20210714
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PRD987380672
Generator Name:	AUTOS VEGA, INC.
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	5 MARGINAL JF KENNEDY
Generator Mail Street 2:	Marginal
Generator Mail City:	SAN JUAN
Generator Mail State:	PR
Generator Mail Zip:	00920
Generator Location Street Number:	Not reported
Generator Location Street 1:	PO Box 364252
Generator Location Street 2:	Not reported
Generator Location City:	SAN Juan
Generator Location Zip:	00936
Generator Location State:	PR
Generator Contact Company Name:	Autos Vega, Inc.
Designated Facility EPA ID:	PRD090399718
Designated Facility Name:	Safety-Kleen Envirosystems Co of Puerto Rico, Inc
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	PO Box 31098
Designated Facility Mail City:	Manati
Designated Facility Mail Zip:	00674
Designated Facility Mail State:	PR
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	KM 51.0, Highway 2
Designated Facility Location Street 2:	PO Box 31098
Designated Facility Location City:	Manati
Designated Facility Location Zip:	00674
Designated Facility Location State:	PR
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	006565244SKS
Last Updated Date:	20180930
Shipped Date:	20180904
Received Date:	20180904
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PRD987380672
Generator Name:	AUTOS VEGA, INC.
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	5 MARGINAL JF KENNEDY
Generator Mail Street 2:	Marginal
Generator Mail City:	SAN JUAN
Generator Mail State:	PR
Generator Mail Zip:	00920
Generator Location Street Number:	Not reported
Generator Location Street 1:	PO Box 364252
Generator Location Street 2:	Not reported
Generator Location City:	SAN Juan

AUTOS VEGA, INC. (Continued) **1000801097**

Generator Location Zip:	00936
Generator Location State:	PR
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	PRD090399718
Designated Facility Name:	Not reported
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	PO Box 31098
Designated Facility Mail City:	Manati
Designated Facility Mail Zip:	00674
Designated Facility Mail State:	PR
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	PO Box 31098
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	Manati
Designated Facility Location Zip:	00674
Designated Facility Location State:	PR
Designated Facility Contact Company Name:	Safety-Kleen Envirosystems Co of Puerto Rico, Inc
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	006842653SKS
Last Updated Date:	20190401
Shipped Date:	20190218
Received Date:	20190218
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PRD987380672
Generator Name:	AUTOS VEGA, INC.
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	5 MARGINAL JF KENNEDY
Generator Mail Street 2:	Marginal
Generator Mail City:	SAN JUAN
Generator Mail State:	PR
Generator Mail Zip:	00920
Generator Location Street Number:	Not reported
Generator Location Street 1:	PO Box 364252
Generator Location Street 2:	Not reported
Generator Location City:	SAN Juan
Generator Location Zip:	00936
Generator Location State:	PR
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	PRD090399718
Designated Facility Name:	Not reported
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	PO Box 31098
Designated Facility Mail City:	Manati
Designated Facility Mail Zip:	00674
Designated Facility Mail State:	PR
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	PO Box 31098
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	Manati
Designated Facility Location Zip:	00674
Designated Facility Location State:	PR

AUTOS VEGA, INC. (Continued) **1000801097**

Designated Facility Contact Company Name:	Safety-Kleen Envirosystems Co of Puerto Rico, Inc
Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	007932594SKS
Last Updated Date:	20210923
Shipped Date:	20210831
Received Date:	20210831
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PRD987380672
Generator Name:	AUTOS VEGA, INC.
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	5 MARGINAL JF KENNEDY
Generator Mail Street 2:	Marginal
Generator Mail City:	SAN JUAN
Generator Mail State:	PR
Generator Mail Zip:	00920
Generator Location Street Number:	Not reported
Generator Location Street 1:	PO Box 364252
Generator Location Street 2:	Not reported
Generator Location City:	SAN Juan
Generator Location Zip:	00936
Generator Location State:	PR
Generator Contact Company Name:	Autos Vega, Inc.
Designated Facility EPA ID:	PRD090399718
Designated Facility Name:	Safety-Kleen Envirosystems Co of Puerto Rico, Inc
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	PO Box 31098
Designated Facility Mail City:	Manati
Designated Facility Mail Zip:	00674
Designated Facility Mail State:	PR
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	KM 51.0, Highway 2
Designated Facility Location Street 2:	PO Box 31098
Designated Facility Location City:	Manati
Designated Facility Location Zip:	00674
Designated Facility Location State:	PR
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N
Manifest Tracking Number:	007064824SKS
Last Updated Date:	20190616
Shipped Date:	20190513
Received Date:	20190513
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PRD987380672
Generator Name:	AUTOS VEGA, INC.
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	5 MARGINAL JF KENNEDY
Generator Mail Street 2:	Marginal
Generator Mail City:	SAN JUAN

AUTOS VEGA, INC. (Continued) **1000801097**

Generator Mail State:	PR
Generator Mail Zip:	00920
Generator Location Street Number:	Not reported
Generator Location Street 1:	PO Box 364252
Generator Location Street 2:	Not reported
Generator Location City:	SAN Juan
Generator Location Zip:	00936
Generator Location State:	PR
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	PRD090399718
Designated Facility Name:	Not reported
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	PO Box 31098
Designated Facility Mail City:	Manati
Designated Facility Mail Zip:	00674
Designated Facility Mail State:	PR
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	PO Box 31098
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	Manati
Designated Facility Location Zip:	00674
Designated Facility Location State:	PR
Designated Facility Contact Company Name:	Safety-Kleen Envirosystems Co of Puerto Rico, Inc
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	007377040SKS
Last Updated Date:	20200212
Shipped Date:	20200123
Received Date:	20200123
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PRD987380672
Generator Name:	AUTOS VEGA, INC.
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	5 MARGINAL JF KENNEDY
Generator Mail Street 2:	Marginal
Generator Mail City:	SAN JUAN
Generator Mail State:	PR
Generator Mail Zip:	00920
Generator Location Street Number:	Not reported
Generator Location Street 1:	PO Box 364252
Generator Location Street 2:	Not reported
Generator Location City:	SAN Juan
Generator Location Zip:	00936
Generator Location State:	PR
Generator Contact Company Name:	Autos Vega, Inc.
Designated Facility EPA ID:	PRD090399718
Designated Facility Name:	Safety-Kleen Envirosystems Co of Puerto Rico, Inc
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	PO Box 31098
Designated Facility Mail City:	Manati
Designated Facility Mail Zip:	00674
Designated Facility Mail State:	PR

AUTOS VEGA, INC. (Continued) **1000801097**

Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	PO Box 31098
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	Manati
Designated Facility Location Zip:	00674
Designated Facility Location State:	PR
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	008183693SKS
Last Updated Date:	20220502
Shipped Date:	20220411
Received Date:	20220411
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PRD987380672
Generator Name:	AUTOS VEGA, INC.
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	5 MARGINAL JF KENNEDY
Generator Mail Street 2:	Marginal
Generator Mail City:	SAN JUAN
Generator Mail State:	PR
Generator Mail Zip:	00920
Generator Location Street Number:	Not reported
Generator Location Street 1:	PO Box 364252
Generator Location Street 2:	Not reported
Generator Location City:	SAN Juan
Generator Location Zip:	00936
Generator Location State:	PR
Generator Contact Company Name:	Autos Vega, Inc.
Designated Facility EPA ID:	PRD090399718
Designated Facility Name:	Safety-Kleen Envirosystems Co of Puerto Rico, Inc
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	PO Box 31098
Designated Facility Mail City:	Manati
Designated Facility Mail Zip:	00674
Designated Facility Mail State:	PR
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	KM 51.0, Highway 2
Designated Facility Location Street 2:	PO Box 31098
Designated Facility Location City:	Manati
Designated Facility Location Zip:	00674
Designated Facility Location State:	PR
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	008184384SKS
Last Updated Date:	20220308
Shipped Date:	20220216
Received Date:	20220216
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service

AUTOS VEGA, INC. (Continued) **1000801097**

Generator EPA ID:	PRD987380672
Generator Name:	AUTOS VEGA, INC.
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	5 MARGINAL JF KENNEDY
Generator Mail Street 2:	Marginal
Generator Mail City:	SAN JUAN
Generator Mail State:	PR
Generator Mail Zip:	00920
Generator Location Street Number:	Not reported
Generator Location Street 1:	PO Box 364252
Generator Location Street 2:	Not reported
Generator Location City:	SAN Juan
Generator Location Zip:	00936
Generator Location State:	PR
Generator Contact Company Name:	Autos Vega, Inc.
Designated Facility EPA ID:	PRD090399718
Designated Facility Name:	Safety-Kleen Envirosystems Co of Puerto Rico, Inc
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	PO Box 31098
Designated Facility Mail City:	Manati
Designated Facility Mail Zip:	00674
Designated Facility Mail State:	PR
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	KM 51.0, Highway 2
Designated Facility Location Street 2:	PO Box 31098
Designated Facility Location City:	Manati
Designated Facility Location Zip:	00674
Designated Facility Location State:	PR
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	007728624SKS
Last Updated Date:	20210215
Shipped Date:	20210121
Received Date:	20210121
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PRD987380672
Generator Name:	AUTOS VEGA, INC.
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	5 MARGINAL JF KENNEDY
Generator Mail Street 2:	Marginal
Generator Mail City:	SAN JUAN
Generator Mail State:	PR
Generator Mail Zip:	00920
Generator Location Street Number:	Not reported
Generator Location Street 1:	PO Box 364252
Generator Location Street 2:	Not reported
Generator Location City:	SAN Juan
Generator Location Zip:	00936
Generator Location State:	PR
Generator Contact Company Name:	Autos Vega, Inc.
Designated Facility EPA ID:	PRD090399718
Designated Facility Name:	Safety-Kleen Envirosystems Co of Puerto Rico, Inc

AUTOS VEGA, INC. (Continued) **1000801097**

Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	PO Box 31098
Designated Facility Mail City:	Manati
Designated Facility Mail Zip:	00674
Designated Facility Mail State:	PR
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	KM 51.0, Highway 2
Designated Facility Location Street 2:	PO Box 31098
Designated Facility Location City:	Manati
Designated Facility Location Zip:	00674
Designated Facility Location State:	PR
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

Manifest Tracking Number:	008471753SKS
Last Updated Date:	20221230
Shipped Date:	20221121
Received Date:	20221121
Manifest Status:	Signed
Submission Type:	DataImage5Copy
Origin Type:	Service
Generator EPA ID:	PRD987380672
Generator Name:	AUTOS VEGA, INC.
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	5 MARGINAL JF KENNEDY
Generator Mail Street 2:	Marginal
Generator Mail City:	SAN JUAN
Generator Mail State:	PR
Generator Mail Zip:	00920
Generator Location Street Number:	Not reported
Generator Location Street 1:	PO Box 364252
Generator Location Street 2:	Not reported
Generator Location City:	SAN Juan
Generator Location Zip:	00936
Generator Location State:	PR
Generator Contact Company Name:	Autos Vega, Inc.
Designated Facility EPA ID:	PRD090399718
Designated Facility Name:	Safety-Kleen Envirosystems Co of Puerto Rico, Inc
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	PO Box 31098
Designated Facility Mail City:	Manati
Designated Facility Mail Zip:	00674
Designated Facility Mail State:	PR
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	KM 51.0, Highway 2
Designated Facility Location Street 2:	PO Box 31098
Designated Facility Location City:	Manati
Designated Facility Location Zip:	00674
Designated Facility Location State:	PR
Designated Facility Contact Company Name:	Not reported
Manifest Residue Indicator:	N
Rejection Indicator:	N

AUTOS VEGA, INC. (Continued) **1000801097**

Federal Waste:
Manifest Tracking Number: 006813632SKS
Waste Line Number: 1
Federal Waste Code: D001
Federal Waste: IGNITABLE WASTE

Manifest Tracking Number: 006813632SKS
Waste Line Number: 1
Federal Waste Code: D018
Federal Waste: BENZENE

Manifest Tracking Number: 006813632SKS
Waste Line Number: 1
Federal Waste Code: D039
Federal Waste: TETRACHLOROETHYLENE

Manifest Tracking Number: 006813632SKS
Waste Line Number: 1
Federal Waste Code: D040
Federal Waste: TRICHLORETHYLENE

Transporter:
Manifest Tracking Number: 006813632SKS
Transporter Line Number: 1
Transporter EPA ID: PRD090399718
Transporter Name: Safety Kleen Envirosystems

Waste Line:
Manifest Tracking Number: 006813632SKS
Waste Line Number: 1
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: NA1993
U.S. DOT Description: Rq, Na1993, Waste Na1993 Waste Combustible Liquid, N.O.S.) Dot-Sp11606 D018,D039,D040 Erg#12 (Petroleum Naphtha) Pgiii Rq(D001), Combustible Liquid, Pg Iii (D001)
Non-Hazardous Waste Description: Not reported
Number of Containers: 5
Container Type Code: DM
Container Type Description: Metal drums, barrels, kegs
Waste Quantity: 90
Quantity Unit of Measure Code: G
Quantity Unit of Measure Description: Gallons
Waste Quantity, in Tons: 0.37531275
Acute Waste Quantity, in Tons: 0
Non-Acute Waste Quantity, in Tons: 0.37531275
Waste Quantity, in Kilograms: 340.41992
Acute Waste Quantity, in Kilograms: 0
Non-Acute Waste Quantity, in Kilorgrams: 340.41992
Management Method Code: H020
Management Method Description: SOLVENTS RECOVERY
Waste Residue Indicator: N
Quantity Discrepancy Indicator: N
Waste Type Discrepancy Indicator: N
Waste Density: Not reported
Waste Density Unit of Measure Code: Not reported
Waste Density Unit of Measure Description: Not reported

AUTOS VEGA, INC. (Continued) **1000801097**

Form Code:	Not reported
Form Code Description:	Not reported
Source Code:	Not reported
Source Code Description:	Not reported
Waste Minimization Code:	Not reported
Waste Minimization Code Description:	Not reported
Consent Number:	Not reported
EPA Waste Indicator:	Y

Click this hyperlink while viewing on your computer to access
11 additional US EManifest: record(s) in the EDR Site Report.

A7 **ESSO S/S CO-040** **UST** **U003430230**
WSW **PI EIRO AVE. #1024 PUERTO NUEVO** **N/A**
1/8-1/4 **SAN JUAN, PR 00920**
0.193 mi.
1020 ft. **Site 5 of 8 in cluster A**

Relative: UST:
Higher

Facility ID:	2-861137
Tank Status:	Permanently Out of Use
Substance Description:	Used Oil

Actual:
10 ft.

Facility ID:	2-861137
Tank Status:	Currently in Use
Substance Description:	Not reported

Facility ID:	2-861137
Tank Status:	Currently in Use
Substance Description:	Not reported

A8 **CARIBBEAN PETROLEUM LP SS GULF 040** **RCRA NonGen / NLR** **1001225402**
WSW **CARR 2 KM 1.0 AVE KENNEDY IND** **PRR000008581**
1/8-1/4 **SAN JUAN, PR 00936**
0.193 mi.
1020 ft. **Site 6 of 8 in cluster A**

Relative: RCRA Listings:
Higher

Date Form Received by Agency:	20080101
Handler Name:	Caribbean Petroleum Lp Ss Gulf 040
Handler Address:	Carr 2 Km 1.0 Ave Kennedy Ind
Handler City,State,Zip:	SAN JUAN, PR 00936
EPA ID:	PRR000008581
Contact Name:	Not reported
Contact Address:	PO BOX 364049
Contact City,State,Zip:	SAN JUAN, PR 00936-4049
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported

Actual:
10 ft.

CARIBBEAN PETROLEUM LP SS GULF 040 (Continued) **1001225402**

Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 364049
Mailing City,State,Zip:	SAN JUAN, PR 00936-4049
Owner Name:	Caribbean Petroleum Lp
Owner Type:	Private
Operator Name:	Caribbean Petroleum Lp
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	Ignitable Waste

CARIBBEAN PETROLEUM LP SS GULF 040 (Continued) **1001225402**

Waste Code: D018
Waste Description: Benzene

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: CARIBBEAN PETROLEUM LP
Legal Status: Private
Date Became Current: 16000101
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 364049
Owner/Operator City,State,Zip: SAN JUAN, PR 00936-4049
Owner/Operator Telephone: 787-787-3015
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CARIBBEAN PETROLEUM LP
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 364049
Owner/Operator City,State,Zip: SAN JUAN, PR 00936-4049
Owner/Operator Telephone: 787-787-3015
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CARIBBEAN PETROLEUM LP
Legal Status: Private
Date Became Current: 16000101
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 364049
Owner/Operator City,State,Zip: SAN JUAN, PR 00936-4049
Owner/Operator Telephone: 787-787-3015
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19990708
Handler Name: CARIBBEAN PETROLEUM LP SS GULF 040
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060101
Handler Name: CARIBBEAN PETROLEUM LP SS GULF 040

CARIBBEAN PETROLEUM LP SS GULF 040 (Continued) **1001225402**

Federal Waste Generator Description: Not a generator, verified
State District Owner: Pr
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080101
Handler Name: CARIBBEAN PETROLEUM LP SS GULF 040
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980313
Handler Name: CARIBBEAN PETROLEUM LP SS GULF 040
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A9 **LOM SERVICE STATION** **UST** **U003429776**
WSW **STATE ROAD NO. 1 KM 13.5 EL CINCO** **N/A**
1/8-1/4 **SAN JUAN, PR 00926**
0.193 mi.
1020 ft. **Site 7 of 8 in cluster A**

Relative: UST:
Higher

Actual:
10 ft.

Facility ID:	2-860592
Tank Status:	Permanently Out of Use
Substance Description:	Gasoline
Facility ID:	2-860592
Tank Status:	Permanently Out of Use
Substance Description:	Gasoline
Facility ID:	2-860592
Tank Status:	Permanently Out of Use
Substance Description:	Gasoline
Facility ID:	2-860592
Tank Status:	Permanently Out of Use
Substance Description:	Gasoline
Facility ID:	2-860592
Tank Status:	Permanently Out of Use
Substance Description:	Gasoline

A10 **EUROCIASS MOTORS INC** **RCRA NonGen / NLR** **1001081240**
WSW **KENNEDY AVE KM 3.5 - MARGINAI** **PRR000001818**
1/8-1/4 **SAN JUAN, PR 00936**
0.193 mi.
1020 ft. **Site 8 of 8 in cluster A**

Relative: RCRA Listings:
Higher

Actual:
10 ft.

Date Form Received by Agency:	20080101
Handler Name:	Eurociass Motors Inc
Handler Address:	Kennedy Ave Km 3.5 - Marginai
Handler City,State,Zip:	SAN JUAN, PR 00936
EPA ID:	PRR000001818
Contact Name:	RICARDO PEREZ
Contact Address:	KENNEDY AVE KM 3.5 - MARGINAI
Contact City,State,Zip:	SAN JUAN, PR 00936
Contact Telephone:	787-782-4039
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	KENNEDY AVE KM 3.5 - MARGINAI
Mailing City,State,Zip:	SAN JUAN, PR 00936
Owner Name:	Eurociass Motors Inc
Owner Type:	Private
Operator Name:	Eurociass Motors Inc

EUROCIASS MOTORS INC (Continued) **1001081240**

Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	X001
Waste Description:	Not Defined

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EUROCIASS MOTORS INC
Legal Status:	Private
Date Became Current:	16000101
Date Ended Current:	Not reported
Owner/Operator Address:	KENNEDY AVE KM 3.5 - MARGINAI
Owner/Operator City,State,Zip:	SAN JUAN, PR 00936
Owner/Operator Telephone:	787-782-4039

EUROCIASS MOTORS INC (Continued) **1001081240**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: EUROCIASS MOTORS INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: KENNEDY AVE KM 3.5 - MARGINAI
Owner/Operator City,State,Zip: SAN JUAN, PR 00936
Owner/Operator Telephone: 787-782-4039
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: EUROCIASS MOTORS INC
Legal Status: Private
Date Became Current: 16000101
Date Ended Current: Not reported
Owner/Operator Address: KENNEDY AVE KM 3.5 - MARGINAI
Owner/Operator City,State,Zip: SAN JUAN, PR 00936
Owner/Operator Telephone: 787-782-4039
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20060101
Handler Name: EUROCIASS MOTORS INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Pr
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080101
Handler Name: EUROCIASS MOTORS INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19951016
Handler Name: EUROCIASS MOTORS INC

EUROCIASS MOTORS INC (Continued) **1001081240**

Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Has the Facility Received Notices of Violations:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported

EUROCIASS MOTORS INC (Continued) **1001081240**

Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	19950109
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	R2KEG
Evaluation Responsible Sub-Organization:	RCB
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20080317
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	EMFD
Evaluation Responsible Sub-Organization:	PRHWCD
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported

EUROCIASS MOTORS INC (Continued) **1001081240**

Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

11
NW
1/8-1/4
0.249 mi.
1313 ft.

ISLA VERDE TRANSPORT **SEMS-ARCHIVE** **1003864476**
STATE ROAD #28 C AVENUE, LOT #7 **PRD987379013**
SAN JUAN HARBOR, PR 00936

Relative:
Higher

Actual:
10 ft.

SEMS Archive:
Site ID: 0203645
EPA ID: PRD987379013
Name: ISLA VERDE TRANSPORT
Address: STATE ROAD #28 C AVENUE, LOT #7
Address 2: Not reported
City,State,Zip: SAN JUAN HARBOR, PR 00936
Cong District: Not reported
FIPS Code: 72127
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 02
Site ID: 0203645
EPA ID: PRD987379013
Site Name: ISLA VERDE TRANSPORT
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1992-09-01 04:00:00
Finish Date: 1992-09-21 04:00:00
Qual: H
Current Action Lead: St Perf

Region: 02
Site ID: 0203645
EPA ID: PRD987379013
Site Name: ISLA VERDE TRANSPORT
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1992-02-06 05:00:00
Finish Date: 1992-02-06 05:00:00
Qual: Not reported
Current Action Lead: St Perf

Region: 02
Site ID: 0203645

ISLA VERDE TRANSPORT (Continued) **1003864476**

EPA ID:	PRD987379013
Site Name:	ISLA VERDE TRANSPORT
NPL:	N
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1992-09-16 04:00:00
Finish Date:	1993-03-25 05:00:00
Qual:	N
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0203645
EPA ID:	PRD987379013
Site Name:	ISLA VERDE TRANSPORT
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1993-03-25 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Count: 55 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
GUAYNABO	S106917631	GULF #058	CALLE 4TH & 5TH		LUST
GUAYNABO	S103553913	SHELL #3697	CALLE #177, ESQ. MURO/ MUNOZ R		LUST
GUAYNABO	S110713196	GSA CENTER	CARR 28 KM 3.8		LUST
GUAYNABO	S103554156	HOLLY LAND, INC.	CARR 833 KM 4.7 / GUARAGUAO		LUST
GUAYNABO	S101442804	GULF # 395	CARR 20 KM 9.2		LUST
GUAYNABO	S106917781	FORTO CHEMICAL	CARR. 20 KM. 9.1, BO. LOS FRAI		LUST
GUAYNABO	S105073603	PRTC/ REMOTO VII	CARR. 1 KM. 19.1		LUST
GUAYNABO	S106917820	TEXACO # 285	CARR. 20 KM. 6.9, BO. CAMARONE		LUST
GUAYNABO	S106917837	OLYMPIC MILLS INC.	CARR. 20 KM. 3.8, BO. LOS FRAI		LUST
GUAYNABO	S103554060	CITGO LA MUDA	CARR. 1 KM. 23.1/LA MUDA		LUST
SAN JUAN	S103554015	LA RIVIERA S/S 215	AVE DE DIEGO ESQ. CALLE 48/ LA		LUST
SAN JUAN	S101442999		AVE PONCE DE LEON & CALLE OCAS		LUST
SAN JUAN	S103553986	PUERTO NUEVO S/S #220	AVE ROOSEVELT 1250 ESQ. AVE DE		LUST
SAN JUAN	S106917737	RAMON RODRIGUEZ #311	AVE DE DIEGO ESQ. CALLE LOIZA		LUST
SAN JUAN	S103553834	SHELL 804967	AVE 65 INFANTERIA ESQ. CALLE N		LUST
SAN JUAN	S110713201	EX-ESSO CO 182	AVE. 65 INF. KM 1.8, SAN AGUST		LUST
SAN JUAN	S105073605	COMPLEJO MEDICO SOCIAL ANTILLANA	AVE. 65 INFANTERIA KM 3.4		LUST
SAN JUAN	S103934118	OBRAS P BLICAS MUNICIPAL	AVE. KENNEDY KM 1.7		LUST
SAN JUAN	S105421738	ANTIGUO EDIFICIO TEXACO	AVE. FERNANDEZ JUNCOS ESQ. CAL		LUST
SAN JUAN	S106917747	APOLO S/S #366	AVENIDA APOLO, CALLE MERCURIO		LUST
SAN JUAN	S104539999	SHELL S/S #0310	CALLE LABRA/PARADA 18		LUST
SAN JUAN	S101442768	GULF #010	CALLE 52 & 54 RIO PIEDRAS		LUST
SAN JUAN	S103553996	ENG. JOSE BETANCOURT	CALLE O'NEILL, HATO REY		LUST
SAN JUAN	S103554152	CENTERS DISEASE CONTROL	CALLE 2 CASIA		LUST
SAN JUAN	S103554081	GULF 399	CALLE LOIZA ESQ. LOS BANOS		LUST
SAN JUAN	S103553933	ESSO S/S 79205	CALLE LOIZA 2207/SANTA TERESIT		LUST
SAN JUAN	S104904835	PEDRO RODRIGUEZ	CALLE QUISQUEYA # 55		LUST
SAN JUAN	S103553892	SHEL # 0337	CALLE LOIZA ESQ.SANTA CECILIA		LUST
SAN JUAN	S104904818	GULF #458	CALLE BALDORIOTY & DEGETAU		LUST
SAN JUAN	S103554010	VENUS GARDENS S/S 388	CALLE ACUARIO Y LESBOS / VENUS		LUST
SAN JUAN	S103553958	ESSO 3P-219	CALLE 1 ESQ. TIZOL		LUST
SAN JUAN	S103553746	AMERICAN INDUSTRIAL CO	CALLE CORCHADO SANTURCE 1202		LUST
SAN JUAN	S103554097	SHELL #3786	CALLE SICILIA URB. SAN JOSE		LUST
SAN JUAN	S103554174	VELVIS DEVELOPMENT CORP.	CALLE 21/MARIO JULIA		LUST
SAN JUAN	S103554164	ESC. VILLA CAPRI	CALLE VERONA ESQ. NIZA, VILLA		LUST
SAN JUAN	S104540021	TORAL S/S	CALLE PALMA #1304		LUST
SAN JUAN	S105840977	GULF 176	CALLE AMATISTA BUCARE		LUST
SAN JUAN	S105073594	LCO. ANGEL M. RIVERA MUNICH	CALLE PONCE DE LEON		LUST
SAN JUAN	S103554166	ESC. CARMEN SANABRIA	CALLE ARKANSAS SAN GERARDO		LUST
SAN JUAN	S103553894	SHELL 0302	CALLE WILSON INT. CALLE LOIZA		LUST
SAN JUAN	S106452747	NUEVA PUERTA	CALLE RUIZ BELVIS 237		LUST
SAN JUAN	S105840975	GULF 436	CALLE TAPIA ESQ. EDUARDO CONDE		LUST
SAN JUAN	S105421749	HOSP. PEDIATRICO CENTRO MEDICO	CALLE PERIFERAL CENTRO MEDICO		LUST

Count: 55 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SAN JUAN	S105073593	RAMON ACOSTA	CARR 65 DE INFANTERIA KM 6.1		LUST
SAN JUAN	S104539996	GASOLINAS COQUI	CARR 842 KM 4.1 BO CAIMITO		LUST
SAN JUAN	S103554049	ESTACION EXPERIMENTAL AGRICOLA	CARR. #1, KM. 12.9		LUST
SAN JUAN	S106917650	LOM SERVICE STATION	CARR. 1 KM. 13.5 SECTOR EL CIN		LUST
SAN JUAN	S106917764	ESTACION EXP. AGRICOLA	CARR. 1 KM. 12.9 / FINCA SOLIS		LUST
SAN JUAN	S106917869	FEDERAL INDUSTRIES	CARR. 1 KM. 13.4 SECTOR EL CIN		LUST
SAN JUAN	S106917870	CASABLANCA MOTORS	CARR. 1 KM. 13.4 SECTOR EL CIN		LUST
SAN JUAN	S103553835	SHELL #4770	VIEJO SAN JUAN - CALLE COMERIO		LUST
SANTURCE	S101442887	ESSO GARAVITO SERVICE STATION	CALLE LABRA, & AVE R.H. TOOD,		LUST
SANTURCE	S101442889	ESSO CO-186	CALLE LOIZA ESQ. CALLE TAPIA		LUST
SANTURCE	S105840979	ESSO 019	CALLE LOIZA ESQ TAFT		LUST
SANTURCE	S101442823	SHELL #4738	CALLE LOIZA ESQ. KINGS COURT		LUST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 07/02/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/25/2024
Date Data Arrived at EDR: 03/26/2024
Date Made Active in Reports: 06/24/2024
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/25/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/22/2024
Date Data Arrived at EDR: 05/01/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/21/2024
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/22/2024
Date Data Arrived at EDR: 05/01/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/21/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/14/2024
Date Data Arrived at EDR: 02/16/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 48

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/13/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/17/2024
Number of Days to Update: 90

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/17/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: Environmental Quality Board
Telephone: 787-767-8181
Last EDR Contact: 08/22/2005
Next Scheduled EDR Contact: 11/21/2005
Data Release Frequency: N/A

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 09/24/2020
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 05/04/2021
Number of Days to Update: 84

Source: Environmental Quality Board
Telephone: 787-767-8056
Last EDR Contact: 04/18/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/04/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 03/15/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/17/2024
Number of Days to Update: 90
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/26/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

UST: Underground Storage Tank Facilities
Underground storage tank site locations.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 03/26/2008
Date Made Active in Reports: 04/23/2008
Number of Days to Update: 28
Source: Environmental Quality Board
Telephone: 787-767-8056
Last EDR Contact: 04/18/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Semi-Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/17/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/14/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/11/2024
Date Data Arrived at EDR: 03/12/2024
Date Made Active in Reports: 05/10/2024
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/11/2024
Next Scheduled EDR Contact: 09/23/2024
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/22/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/14/2024
Date Data Arrived at EDR: 06/17/2024
Date Made Active in Reports: 06/24/2024
Number of Days to Update: 7

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/17/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/30/2024
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 51

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/14/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239
Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/11/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574
Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/02/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/18/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 93
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/17/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 04/29/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/02/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/13/2024
Next Scheduled EDR Contact: 09/23/2024
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/13/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 86

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/16/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 70

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/17/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2024
Date Data Arrived at EDR: 02/08/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/02/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/26/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 57
Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 04/15/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/27/2023
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 87
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 05/28/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/28/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/02/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/21/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/23/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2024
Date Data Arrived at EDR: 04/19/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 68

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/26/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/02/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/26/2024
Next Scheduled EDR Contact: 08/12/2024
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/16/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/24/2024
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 1

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 07/02/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Quarterly

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/23/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/18/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/06/2024
Number of Days to Update: 79

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/13/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/09/2024
Date Data Arrived at EDR: 02/27/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 87

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 05/29/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/17/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/28/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 89

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/08/2024
Next Scheduled EDR Contact: 10/21/2024
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/12/2024
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 51

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/14/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7
Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601
Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 04/22/2024
Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67
Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67
Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67
Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS ECHO FIRE TRAIN: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS PT 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/10/2017
Number of Days to Update: 63

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/27/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: No Update Planned

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/27/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 04/16/2024
Next Scheduled EDR Contact: 07/29/2024
Data Release Frequency: Varies

E MANIFEST: Hazardous Waste Electronic Manifest System

EPA established a national system for tracking hazardous waste shipments electronically. This system, known as ?e-Manifest,? will modernize the nation?s cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 04/18/2024
Date Made Active in Reports: 06/06/2024
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 833-501-6826
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

PFAS PROJECT: NORTHEASTERN UNIVERSITY PFAS PROJECT

The PFAS Contamination Site Tracker records qualitative and quantitative data from each site in a chart, specifically examining discovery, contamination levels, government response, litigation, health impacts, media coverage, and community characteristics. All data presented in the chart were extracted from government websites, such as state health departments or the Environmental Protection Agency, and news articles.

Date of Government Version: 05/19/2023
Date Data Arrived at EDR: 04/05/2024
Date Made Active in Reports: 06/06/2024
Number of Days to Update: 62

Source: Social Science Environmental Health Research Institute
Telephone: N/A
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/31/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 79

Source: Environmental Protecton Agency
Telephone: 202-564-0394
Last EDR Contact: 05/08/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Semi-Annually

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 106

Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 05/08/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Environmental Quality Board in Puerto Rico.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/04/2014
Number of Days to Update: 187

Source: Environmental Quality Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/26/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/13/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

BECHARA LANDS BEA
CALLE PRINCIPAL
SAN JUAN, PR 00920

TARGET PROPERTY COORDINATES

Latitude (North):	18.427507 - 18° 25' 39.03''
Longitude (West):	66.089189 - 66° 5' 21.08''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	807506.1
UTM Y (Meters):	2039832.4
Elevation:	0 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12367789 SAN JUAN, PR
Version Date:	2018

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

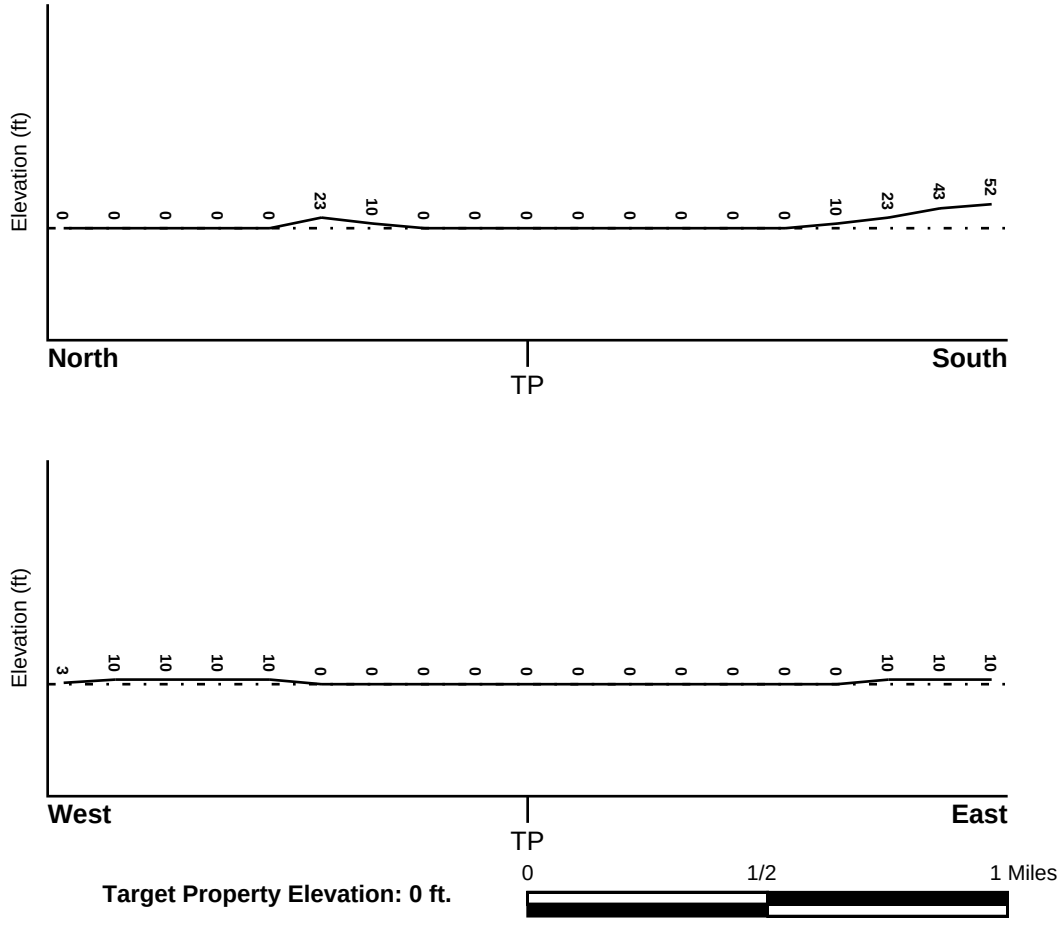
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General East

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
7200000053C	FEMA Q3 Flood data

Additional Panels in search area:	FEMA Source Type
7200000051C	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NOT AVAILABLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: -
System: -
Series: -
Code: N/A *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: -

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: sandy loam
loamy sand

Surficial Soil Types: sandy loam
loamy sand

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: clay
sand

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS40001046017	1/2 - 1 Mile WSW
A2	USGS40001045991	1/2 - 1 Mile WSW
A3	USGS40001045992	1/2 - 1 Mile WSW
4	USGS40001045975	1/2 - 1 Mile WSW
B5	USGS40001045917	1/2 - 1 Mile SE
B6	USGS40001045918	1/2 - 1 Mile SE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B7	USGS40001045905	1/2 - 1 Mile SE
8	USGS40001045940	1/2 - 1 Mile SW

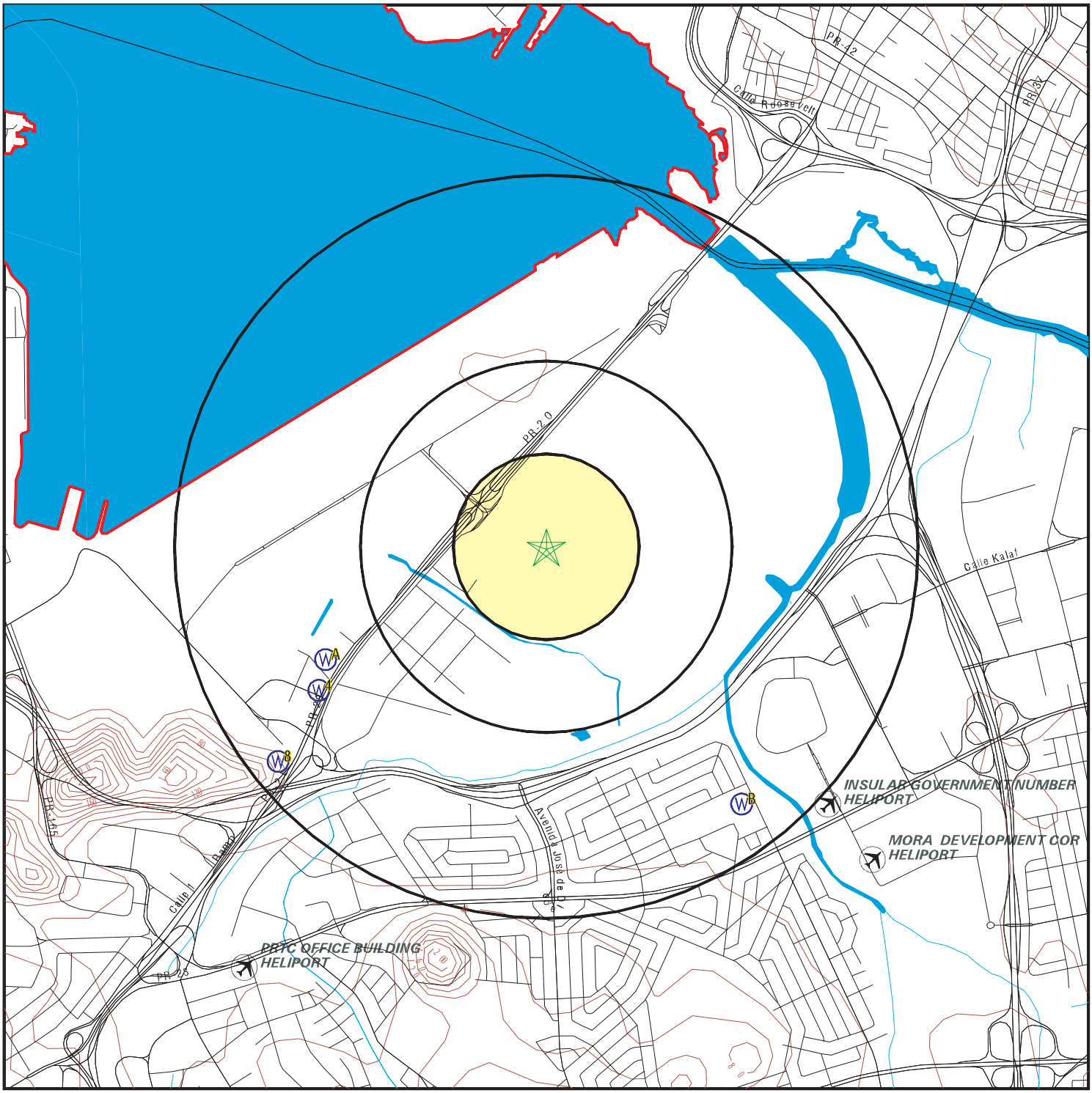
FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

No PWS System Found

Note: PWS System location is not always the same as well location.

PHYSICAL SETTING SOURCE MAP - 7705132.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location

SITE NAME: Bechara Lands BEA	CLIENT: Aerostar SES LLC
ADDRESS: Calle Principal San Juan PR 00920	CONTACT: Kevin Ashman INQUIRY #: 7705132.2s
LAT/LONG: 18.427507 / 66.089189	DATE: July 11, 2024 4:41 pm

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Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
WSW
1/2 - 1 Mile
Higher

FED USGS **USGS40001046017**

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	GEQU 1 WELL, SAN JUAN, PR	Type:	Well
Description:	Not Reported	HUC:	21010005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19440412
Well Depth:	148.58	Well Depth Units:	ft
Well Hole Depth:	250	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1945-10-30
Feet below surface:	2.0	Feet to sea level:	Not Reported
Note:	Not Reported		

A2
WSW
1/2 - 1 Mile
Higher

FED USGS **USGS40001045991**

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	RMO WELL, SAN JUAN, PR	Type:	Well
Description:	Not Reported	HUC:	21010005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19440421
Well Depth:	31	Well Depth Units:	ft
Well Hole Depth:	35	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1944-04-27
Feet below surface:	4.5	Feet to sea level:	Not Reported
Note:	Not Reported		

A3
WSW
1/2 - 1 Mile
Higher

FED USGS **USGS40001045992**

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	GEQU 3 WELL, SAN JUAN, PR	Type:	Well
Description:	Not Reported	HUC:	21010005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19440425
Well Depth:	31	Well Depth Units:	ft
Well Hole Depth:	35	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1944-04-26
Feet below surface:	4.0	Feet to sea level:	Not Reported
Note:	Not Reported		

4
WSW **FED USGS** **USGS40001045975**
1/2 - 1 Mile
Higher

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	GEQU 4 WELL, SAN JUAN, PR	Type:	Well
Description:	Not Reported	HUC:	21010005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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B5
SE **FED USGS** **USGS40001045917**
1/2 - 1 Mile
Higher

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	PIEZOMETER LA ESPERANZA I-2, SAN JUAN, PR		
Type:	Well	Description:	RIO PUERTO NUEVO PROJECT
HUC:	21010005	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19890718	Well Depth:	150
Well Depth Units:	ft	Well Hole Depth:	150
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-07-19
Feet below surface:	10.33	Feet to sea level:	Not Reported
Note:	Not Reported		

B6
SE **FED USGS** **USGS40001045918**
1/2 - 1 Mile
Higher

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	PIEZOMETER LA ESPERANZA II-2, SAN JUAN, PR		
Type:	Well	Description:	RIO PUERTO NUEVO PROJECT
HUC:	21010005	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19890718	Well Depth:	40
Well Depth Units:	ft	Well Hole Depth:	40
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	124	Level reading date:	2001-10-18
Feet below surface:	9.61	Feet to sea level:	Not Reported
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	2001-06-01	Feet below surface:	10.78
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	2001-05-01	Feet below surface:	10.80
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	2001-04-17	Feet below surface:	11.00
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	2001-03-29	Feet below surface:	10.94
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	2001-02-27	Feet below surface:	10.35
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	2001-01-12	Feet below surface:	10.85
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	2000-08-28	Feet below surface:	9.37
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	2000-05-19	Feet below surface:	9.47
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	2000-02-24	Feet below surface:	10.00
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1999-09-30	Feet below surface:	8.91
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1999-08-16	Feet below surface:	8.81
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1999-06-28	Feet below surface:	8.95
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1999-05-28	Feet below surface:	10.02
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1999-03-19	Feet below surface:	9.81
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1999-02-17	Feet below surface:	9.51
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1998-11-23	Feet below surface:	8.22
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1998-09-04	Feet below surface:	8.65
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1998-07-28	Feet below surface:	8.97
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1998-06-12	Feet below surface:	9.52
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1998-05-15	Feet below surface:	10.82
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1998-04-08	Feet below surface:	10.54
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1998-03-18	Feet below surface:	10.05
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1998-02-27	Feet below surface:	10.05
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1998-01-28	Feet below surface:	10.00
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1997-12-09	Feet below surface:	9.59
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1997-11-17	Feet below surface:	10.33
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1997-10-09	Feet below surface:	8.89
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1997-09-05	Feet below surface:	8.86
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1997-08-18	Feet below surface:	9.00
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1997-07-07	Feet below surface:	11.35
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1997-06-09	Feet below surface:	11.40
Feet to sea level:	Not Reported		

Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1997-05-09	Feet below surface:	11.34
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1997-04-04	Feet below surface:	9.34
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1997-03-07	Feet below surface:	9.14
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1997-02-18	Feet below surface:	9.17
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1997-01-24	Feet below surface:	8.72
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1996-12-05	Feet below surface:	8.68
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1996-11-21	Feet below surface:	8.57
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1996-10-22	Feet below surface:	9.67
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1996-08-23	Feet below surface:	9.28
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1996-06-26	Feet below surface:	10.35
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1996-05-20	Feet below surface:	9.52
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1996-04-15	Feet below surface:	9.30
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1996-03-05	Feet below surface:	10.21
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1996-02-15	Feet below surface:	9.56
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1996-01-23	Feet below surface:	8.69
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1995-12-12	Feet below surface:	9.87
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1995-11-03	Feet below surface:	8.76
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1995-10-05	Feet below surface:	8.27
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1995-09-20	Feet below surface:	8.63
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1995-08-03	Feet below surface:	8.89
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1995-07-14	Feet below surface:	10.57
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1995-06-08	Feet below surface:	9.07
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1995-05-12	Feet below surface:	10.33
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1995-04-19	Feet below surface:	11.17
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1995-03-13	Feet below surface:	9.26
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1995-02-27	Feet below surface:	9.30
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1994-10-25	Feet below surface:	10.07
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1994-09-14	Feet below surface:	11.25
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1994-07-12	Feet below surface:	10.85
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1994-06-09	Feet below surface:	11.49
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1994-05-05	Feet below surface:	11.63
Feet to sea level:	Not Reported		

Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1994-04-11	Feet below surface:	11.52
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1994-03-10	Feet below surface:	10.07
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1994-02-24	Feet below surface:	10.56
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1994-01-18	Feet below surface:	9.49
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1993-12-20	Feet below surface:	9.75
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1993-11-09	Feet below surface:	9.80
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1993-10-29	Feet below surface:	9.79
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1993-09-09	Feet below surface:	10.07
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1993-08-30	Feet below surface:	10.63
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1993-07-14	Feet below surface:	8.94
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1993-06-14	Feet below surface:	9.57
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1993-05-17	Feet below surface:	9.09
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1993-04-26	Feet below surface:	9.82
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1993-03-31	Feet below surface:	10.69
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1993-02-19	Feet below surface:	9.99
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1993-01-15	Feet below surface:	8.52
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1992-12-21	Feet below surface:	8.67
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1992-11-23	Feet below surface:	8.09
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1992-10-29	Feet below surface:	9.17
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1992-09-14	Feet below surface:	9.92
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1992-08-29	Feet below surface:	9.97
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1992-07-29	Feet below surface:	9.37
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1992-06-25	Feet below surface:	9.35
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1992-05-15	Feet below surface:	9.46
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1992-04-07	Feet below surface:	10.20
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1992-03-13	Feet below surface:	10.25
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1992-02-24	Feet below surface:	10.50
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1992-01-23	Feet below surface:	9.12
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1991-12-17	Feet below surface:	8.77
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1991-11-27	Feet below surface:	8.63
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1991-10-31	Feet below surface:	10.43
Feet to sea level:	Not Reported		

Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1991-09-26	Feet below surface:	9.87
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1991-08-19	Feet below surface:	11.16
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1991-07-19	Feet below surface:	11.11
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1991-06-11	Feet below surface:	11.55
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1991-05-01	Feet below surface:	10.40
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1991-03-25	Feet below surface:	10.40
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1991-02-20	Feet below surface:	9.15
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1991-01-25	Feet below surface:	9.62
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1990-12-19	Feet below surface:	9.77
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1990-11-16	Feet below surface:	10.11
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1990-09-14	Feet below surface:	9.45
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1990-07-20	Feet below surface:	10.67
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1990-06-25	Feet below surface:	9.80
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1990-05-11	Feet below surface:	9.40
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1990-04-05	Feet below surface:	9.62
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Level reading date:	1990-03-23	Feet below surface:	8.65
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1990-02-23	Feet below surface:	9.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-02-23	Feet below surface:	9.93
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1990-02-05	Feet below surface:	10.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-02-05	Feet below surface:	10.15
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1990-01-17	Feet below surface:	10.84
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1989-12-13	Feet below surface:	10.42
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1989-12-13	Feet below surface:	10.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-11-13	Feet below surface:	8.46
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1989-10-03	Feet below surface:	8.66
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1989-10-03	Feet below surface:	8.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-09-11	Feet below surface:	8.88
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1989-08-24	Feet below surface:	9.24
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1989-08-09	Feet below surface:	10.07
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		
Level reading date:	1989-07-19	Feet below surface:	10.08
Feet to sea level:	Not Reported	Note:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B7
SE
1/2 - 1 Mile
Higher

FED USGS **USGS40001045905**

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	USN 5 WELL, SAN JUAN, PR	Type:	Well
Description:	Not Reported	HUC:	21010005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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8
SW
1/2 - 1 Mile
Higher

FED USGS **USGS40001045940**

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	P-2 WELL, GUAYNABO, PR	Type:	Well
Description:	Not Reported	HUC:	21010005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19460201
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	75	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1946-02-01
Feet below surface:	5.0	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

RADON

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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APPENDIX F

SUPPORTING DOCUMENTATION

SUPPORTING DOCUMENTATION IS NOT PROVIDED AS PART OF THIS ASSESSMENT

APPENDIX G

QUALIFICATIONS OF ASSESSORS

Kevin Ashman, PG
Geologist

YEARS WITH COMPANY
13 Years

TOTAL YEARS OF EXPERIENCE
13 Years

OFFICE
Jacksonville, FL

ACADEMIC BACKGROUND
- BA, Geology, Georgia Southern University, 2009
- Minor, Geographic Information Systems (GIS), Georgia Southern University, 2009

REGISTRATIONS/CERTIFICATIONS
- Registered Professional Geologist:
  Florida #PG2948
  Georgia #PG002225
  Mississippi #0977

PROFESSIONAL TRAINING
- Occupational Safety and Health Administration (OSHA) 40-hr. Hazardous Waste Operations and Emergency Response (HAZWOPER)
- Operations Security (OPSEC) Awareness for Military Members, Department of Defense (DoD) Employees and Contractors
- OSHA Permit-Required Confined Spaces
- Radiation Safety and Operation of Portable X-ray fluorescence (XRF) Analyzers
- Transport of Lithium Ion Batteries
- Transport of Radioactive Sealed Sources in XRF Analyzers
- Cardiopulmonary Resuscitation (CPR)/First Aid/Automated External Defibrillators (AED)
- Bloodborne Pathogens

Mr. Ashman has more than 13 years of experience in the environmental industry. He has actively participated in a wide range of environmental applications, including Phase I/II Environmental Site Assessments (ESAs), Transaction Screen Process (TSPs), contamination screening evaluations (CSEs) for corridor studies along

Compliance Evaluations (ECEs), and Emergency Planning and Community Right-to-Know Act (EPCRA) Section 311/312/313 compliance.

Mr. Ashman's responsibilities have included site inspections, field sampling, and report writing as part of environmental due diligence projects. Mr. Ashman also has experience in collecting, analyzing, and compiling field data and has prepared technical reports and forms, including Phase I/II ESAs, CSE reports, and EPCRA Form Rs and Tier II forms. As part of Phase I ESAs, he has performed preliminary asbestos-containing material, lead-based paint, mold, and wetland evaluations. As part of Phase II ESAs, he has experience performing soil boring completion, soil screening using an organic vapor analyzer, soil sampling, groundwater

Experience Highlights

EPCRA Sections 311/312/313 Compliance Support, United States Army Corps of Engineers (USACE), Fort Belvoir, VA – Project Manager on EPCRA compliance projects at Fort Belvoir. Coordinated with base personnel to conduct interviews and stie inspections across the installation. Documented hazardous materials used and stored at each facility on the installation to develop inventory summaries. Prepared EPCRA compliance packages for the installation, including Tier II forms and Form Rs. Assisted the installation with the submittal of the compliance packages to the local fire department, various local and state agencies, and the Environmental Protection Agency.

ECEs, Headquarters United States Marine Corps (USMC), CH2M Hill, Various Marine Corps Installations – Evaluator II for the USMC ECE Program at the following installations: Marine Corps Air Ground Combat Center (MCAGCC) 29 Palms, Marine Corps Air Station (MCAS) Beaufort, MCAS Camp Pendleton, MCAS Cherry Point, MCAS Iwakuni, MCAS Miramar, MCAS New River, MCAS Yuma, Marine Corps Base Camp (MCB) Camp Lejeune, MCB Camp Pendleton, MCB Hawaii, MCB Quantico, Marine Corps Logistics Base (MCLB) Albany, MCLB Barstow, Marine Corps Recruit Depot (MCRD) Parris Island, and Marine Corps Support Facility (MCSF) Blount Island. Project responsibilities included evaluating USMC installation and unit environmental

compliance and assessing risks. Findings were input into the USMC Web Compliance Assessment & Sustainment Systems (WEBCASS) application.

CSE, Interstate 10 (I-10) Capacity Improvements from I-295 to I-95, Parsons, Jacksonville, FL – Project Scientist and GIS Technician for a Level 1 CSE along a five-mile stretch of I-10 between I-295 and I-95. The proposed construction activities for the subject corridor consisted of the widening and reconstruction of I-10 by adding two general-purpose lanes in each travel direction. Aerostar SES LLC (ASL) identified a total of 74 sites as having the potential to impact the subject corridor and evaluated multiple proposed pond sites along the subject corridor. The assessment was completed in accordance with the Florida Department of Transportation Project Development and Environment (PD&E) Manual.

CSE, US 19 from West Riverwood Drive to County Road 347, Citrus and Levy Counties, FL – Project Manager and GIS technician responsible for conducting a CSE on an approximate 34 mile-length corridor along US 19. The purpose of the project was to reconstruct US 19 to achieve free flow traffic for logistics and movement of goods and services, improve mobility options, and to address safety issues along the corridor. A total of 41 sites were identified as having the potential to impact the corridor. Each of the sites was assigned a risk rating, and site-specific recommendations were provided to the client for sites where further assessment was recommended.

Phase I ESA, Devil's Garden, FDEP, Hendry County, FL – Project Manager and Geologist for a Phase I ESA on approximately 17,300 acres of land primarily used as cattle pasture. Historical use of the property for agricultural purposes (crop cultivation) from the early 1950s through the early 2000s was identified as a Recognized Environmental Condition (REC). Mr. Ashman discussed the potential impacts to the property with the client and was instrumental in assisting them with managing their potential environmental risks.

Remedial Investigation/Feasibility Study (RI/FS) of Per- and Polyfluoroalkyl Substances (PFAS), United States Air Force (USAF), Former March Air Force Base (AFB) and Former Mather AFB – Groundwater Modeler for the RI/FS of PFAS projects at former March AFB and former Mather AFB. Project responsibilities included the creation of groundwater models using the Groundwater Vistas software to predict the flow of PFAS contamination in the groundwater within the vicinity of the former installations.

Habijax Urban Redevelopment Project, Habitat for Humanity of Jacksonville, Inc., Various Properties, Jacksonville, FL – Project Scientist for the Habijax Urban Redevelopment Project in Jacksonville, Florida. Performed pre-screening of homes and vacant land for redevelopment in the Downtown Jacksonville area through federal Housing and Urban Development procedures. Conducted approval process through Florida's SHPO. Pre-screening included wetland identification, asbestos risk identification, Federal Emergency Management Agency (FEMA) flood risk identification, and lead-based paint risk identification.

EPCRA Sections 311/312 Compliance Support, Deutsche Bank and Wells Fargo, Jacksonville, FL – Project Manager on EPCRA compliance projects for Deutsche Bank and Wells Fargo facilities located in the southeastern United States. Conducted site inspections and/or interviews, developed inventory summaries, and completed Tier II forms for each facility with reportable quantities of hazardous materials.

EPCRA Sections 311/312/313 Compliance Support, Naval Facilities Engineering Command (NAVFAC) Southeast – Project Manager on EPCRA compliance projects at Naval Air Station (NAS) Jacksonville and Naval Station (NS) Mayport. Conducted site inspections and interviews, developed inventory summaries, and prepared and reviewed necessary reporting forms, submittals, and compliance documentation.

Ash Remediation Sites, England Thims & Miller, Jacksonville, FL – Field Scientist for the investigation of possible contamination associated with the presence of incinerator ash in and around former municipal ash disposal sites including the Brown's Dump Site, Forest Street Incinerator Site, 5th & Cleveland Street Incinerator Site, and Lonnie C. Miller Park. The investigation determines exposure to incinerator ash and contaminants of concern including lead, arsenic, polynuclear aromatic hydrocarbons, and dioxins within the ash and soil. Soil samples are field screened for metals using an XRF instrument, and visually inspected for the presence of incinerator ash. Soil samples for laboratory analysis are collected using various Florida Department of Environmental Protection accepted sampling techniques utilizing Geoprobes and hand augers.

Consulting Services and Technical Support for Army Environmental Command, USACE Jacksonville, FL – GIS Technician for Land Use Control Implementation Plans (LUCIPs) and Community Involvement Plans (CIPs) for multiple Army Installations. Project responsibilities included the gathering of data from the installations and the creation of maps using ArcGIS software.

Consolidated Site History Report, USACE Louisville District, Formerly Used Defense Sites (FUDS), Kinross, Michigan – GIS Technician and Researcher for an Air Force base that operated during World War II and was later used as an Air Defense Command and Strategic Air Command facility. The project required extensive site reconnaissance, the collection of GPS coordinates, and the creation of multiple maps using ArcGIS software.

Preliminary Assessments, USACE Louisville District, Multiple FUDS – GIS Technician for Preliminary Assessments for FUDS Camp Mount Vernon, Rockville Air Force Station, and Freeman Army Airfield. Project responsibilities included gathering data and the creation of multiple maps using ArcGIS software.

Assessment and Remediation, New York Deli Site, Orlando, Florida – Geologist for the soil and groundwater assessment and remediation activities for petroleum contamination at the New York Deli site located in downtown Orlando. Performed site activities including the installation of a remedial system to treat remaining impacted soils and the groundwater at the site.

Mercury Remediation, Philpot Dam, USACE Wilmington District, VA – Geologist for performed sampling and remediation of the residual mercury within the transformer containment area at the Philpot Dam. Screened, sampled, and removed 59 tons of gravel and 110 gallons of sediment and water.

Watershed Hydrological Assessments, Fort Campbell, USACE Mobile District – GIS Technician for the watershed hydrological assessment project to assess impaired water bodies which are located on the installation. Project responsibilities included gathering data and preparing multiple maps using ArcGIS software.

Pre-Construction Potable and Non-Potable Well Sampling – Sabal Trail Underground Pipeline, Sabal Trail Transmission LLC, Florida – Project Scientist for the pre-construction groundwater sampling of multiple potable and non-potable wells located within 150 feet of the construction workspace along the proposed pipeline route. Water quantity parameters were collected from each well, and groundwater samples were collected from each well for laboratory analysis.

Environmental Assessment of District Lands, St. Johns River Water Management District, Florida – Project Scientist and GIS Technician for Phase I ESAs. Performed site inspections, historical aerial photograph reviews, regulatory database reviews, conducted interviews with the property owners, representatives and government agencies, and completed reports documenting the findings.

Miscellaneous Phase I ESAs and TSPs, Southeastern US – Geologist for multiple Phase I ESAs and TSPs on vacant land, managed forests, residential, commercial, and industrial properties in Alabama, Florida, Georgia, Mississippi, and Tennessee with property sizes ranging up to 17,000 acres. Clients have included private individuals, companies, and local and state governments and agencies. Coordinated with each client to ensure each report was completed in a timely manner. Discussed the potential impacts to the properties with the clients to help them manage their environmental risk.

Miscellaneous CSEs, Throughout FL – Project Manager, Project Scientist, and GIS Technician for Level I CSE activities for assessment and management of potentially impacted soil and groundwater within the proposed construction right-of-way for roadway improvement and seawall rehabilitation projects. Activities included site reconnaissance, an extensive review of historical documentation (aerial photographs, Sanborn Fire Insurance Maps, and city directories) and regulatory files, and the creation of maps and figures using ArcGIS software.

Frank Redway, Senior Program Manager

Years With Company
20 Years

Total Years of Experience
30 Years

Office
Jacksonville, FL

Academic Background
- MS, Environmental Engineering Science, University of Florida, 1993
- BS, Geography, University of Florida, 1989

Registrations/Certifications
- Environmental Protection Agency (EPA) Asbestos Hazard Emergency Response Agency (AHERA)-Certified Asbestos Inspector
- EPA AHERA-Certified Asbestos Management Planner
- Florida Department of Health (FDOH)-Certified Radon Measurement Technician

Professional Training
- Occupational Safety and Health Administration (OSHA) 30-hr. Construction Safety and Health
- OSHA 40-hr. Hazardous Waste Operations and Emergency Response (HAZWOPER) and 8-hr. Refreshers
- United States Army Corps of Engineers (USACE)/Naval Facilities (NAVFAC) Construction Quality Management
- Operations and Security (OPSEC) Awareness for Military Members, Department of Defense (DoD) Employees and Contractors
- OSHA Permit-Required Confined Spaces
- First Aid/Cardiopulmonary Resuscitation (CPR)/Automated External Defibrillators (AED)
- Bloodborne Pathogens
- Lead Awareness

Mr. Redway has more than 30 years of experience as an environmental scientist for all aspects of environmental projects including environmental compliance/risk management, Phase I/II Environmental Site Assessments

lead-based paint (LBP) assessments, indoor air quality, and Quality Assurance/Quality Control (QA/QC) for

and report preparation.

Experience Highlights

Environmental Site Assessment (ESA) Services Contract, FDEP – Program Manager (2005-present) for a contract to provide ESA services throughout Florida for the acquisition of conservation and recreation lands under the Florida Forever Act. Services provided under this contract include: Phase I and II ESAs; and asbestos, LBP, mold and radon surveys.

City of Jacksonville Contamination Assessment and Remediation (CAR) Contract, Jacksonville, Florida – Program Manager (2003-2006, 2010-2013, 2020-present) for a contract providing environmental services to the City of Jacksonville. Services provided include - Phase I and II ESAs; asbestos, LBP, mold and radon surveys; contaminated soil source removals; contamination assessment and remedial action services; emergency response actions; SPCC plans; and SWPPPs; incinerator ash management and remediation; and hazardous materials management.

Environmental Services Contract, St. Johns River Water Management District (SJRWMD) – Program Manager (2005-2023) for a contract providing environmental services throughout their 18-county footprint for the acquisition of conservation and recreation lands. Services provided under these contracts include: Phase I and II ESAs; asbestos, LBP, mold and radon surveys; contaminated soil source removals; contamination assessment and remedial action services.

Environmental Services Contract, Jacksonville Electric Authority (JEA) – Program Manager (2018-present) for a contract providing environmental services throughout their footprint of responsibility in northeast Florida. Services provided include: Phase I and II ESAs; asbestos, LBP, mold and radon surveys; contaminated soil source removals; contamination assessment and remedial action services; emergency response actions; natural resource surveys (threatened and endangered species surveys, gopher tortoise relocation, wetland delineations); spill pollution control and countermeasures (SPCC) plans; and stormwater pollution prevention plans (SWPPPs).

Neighborhood Stabilization Program, City of Jacksonville (COJ), FL – Program Manager for over 200 HUD Environmental Assessments (EAs), asbestos, mold, and LBP surveys for the COJ's Neighborhood Stabilization Program. Checklist evaluations include: historic preservation, noise, coastal zone management, floodplain management, and hazardous materials.

QC/Independent Technical Review Team (ITRT) Leader, Various DoD Projects – Quality Control/ITRT Leader for numerous DoD projects, responsible for independent technical review of work plans and technical reports that are appropriate to the level of risk and complexity inherent in the project, as defined in the Quality Control Plan. During the independent technical review, compliance with established policy principles and procedures, utilizing justified and valid assumptions, is verified. This includes review of assumptions; methods, procedures and material used in analyses; the appropriateness of data used and level of data obtained; and reasonableness of the results including whether the product meets the customer's needs consistent with laws and existing federal policies. Projects include Preliminary Assessments for Formerly Used Defense (FUDS) sites, a Remedial Investigation/Feasibility Study (RI/FS) for a former NIKE Missile site, development and long-term monitoring of an Oyster Castle Habitat, and Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) five-year reviews for various DoD facilities.

Level II Contamination Impact Assessment (CIA), Wekiva Parkway/State Road (SR) 46 Realignment Corridor, FDOT District 5, Orange and Lake Counties, FL – Project Director for soil and groundwater sampling activities along a 4.79-mile roadway corridor in Lake and Orange counties. Prior to initiation of field activities, a Sampling and Analysis Plan was prepared documenting sampling procedures and laboratory analyses for the various types of properties along the corridor. Field activities included the advancement of 48 soil borings, collection and laboratory analysis of 14 soil samples, installation of 6 temporary wellpoints, and the collection and laboratory analysis of 6 groundwater samples. The results of the investigation were presented in a CIA Report.

Asbestos-Containing Materials (ACM), LBP, and Hazardous Materials (HM) Surveys, Wekiva Parkway Improvements, CH2M Hill, Orange, Lake, and Seminole Counties, FL – Project Director for ACM, LBP, and HM Surveys for demolition of structures which would be impacted by improvements to the Wekiva Parkway in Lake, Orange, and Seminole counties. Surveys were conducted on 80 buildings to evaluate for the presence of ACM, LBP, and HMs in the structures by AHERA- and EPA-certified inspectors under the direction of a Licensed Asbestos Consultant (LAC).

Remedial Services, Fort Jefferson, National Park Service, Dry Tortugas, FL – Project Director for maintenance dredging and shoreline stabilization activities at historic Ft. Jefferson National Park, an 11-acre fort located within the Dry Tortugas National Park. The project consisted of dredging approximately 4,000 cubic yards from the moat and along the existing docks, and using the dredged sand to stabilize the existing shoreline. The project required preparation and submittal of permits, and coordination with the National Park Service (NPS), Florida Department of Environmental Protection (FDEP), the USACE, and the National Marine Fisheries (NMF). The project also required extensive coordination for delivery of heavy equipment and supplies to enable field crews to live on the island for extended periods of time. Field activities included dredging and placement of sand, erection of measures to protect natural (fish and wildlife) and architectural resources.

Soil and Groundwater Investigation, Operating Golf Course, Northeast FL – Project Director for a soil and groundwater investigation at an operating golf course in northeast Florida. The assessment focused on impacts

to the soil and groundwater in historic possible mix/load pesticide areas. Assessment activities included the collection and laboratory analysis of over 100 soil samples, the installation of over 30 monitor wells, the collection and laboratory analysis of groundwater samples, the collection and laboratory analysis of surface water and irrigation well samples, and an evaluation of potential off-site receptors.

U.S. Army Corps of Engineers
South Atlantic Division

FINAL
PHASE II
BASELINE ENVIRONMENTAL ASSESSMENT REPORT

BECHARA MATERIAL MANAGEMENT AREA
SAN JUAN, PUERTO RICO
CONTRACT NUMBER: W912EP24P0013

PREPARED FOR:
U. S. ARMY CORPS OF ENGINEERS
JACKSONVILLE DISTRICT
701 SAN MARCO BLVD
JACKSONVILLE, FL 32207

PREPARED BY:
AEROSTAR ENVIRONMENTAL AND CONSTRUCTION LLC
3550 ST JOHNS BLUFF ROAD SOUTH
JACKSONVILLE, FLORIDA 32224

AEC PROJECT # 117.24.1078.0001

NOVEMBER 2024

APPROVALS

This Baseline Environmental Assessment Report has been prepared for use by USACE. The report was prepared for the specific site conditions, purposes, dates, and personnel specified and must be amended if those conditions change.

Written By: _____ Date: November 4, 2024
Rick Levin, P.G., Project Manager

Reviewed By: _____ Date: November 4, 2024
Frank Redway, Internal Technical Review Team (ITRT) Leader

Approved By: _____ Date: November 4, 2024
Brian Odon, P.G., Program Manager

TABLE OF CONTENTS

LIST OF ACRONYMS AND ABBREVIATIONS ..... **iii**

1.0 INTRODUCTION **1**

2.0 BASELINE ENVIRONMENTAL ASSESSMENT ACTIVITIES **2**

2.1 Mobilization and Clearing 2
2.2 Utility Clearance 2
2.3 Summary of Soil Boring Lithology 2
2.4 Soil Sampling 3
2.5 Temporary Monitoring Well Installation 4
2.6 Groundwater Elevations 4
2.7 Groundwater Sampling 4

3.0 RESULTS OF SOIL AND GROUNDWATER SAMPLING **5**

3.1 Soil Sample Results 5
3.2 Groundwater Sample Results 5

4.0 CONCLUSIONS **6**

5.0 REFERENCES **8**

TABLES

TABLE 1 – Temporary Monitoring Well Construction Details
TABLE 2 – Field Water Quality Parameters During Sampling
TABLE 3 – Soil Sampling Analytical Results – Soil Boring Samples – Volatiles
TABLE 4 – Soil Sampling Analytical Results – Soil Boring Samples – Semi-Volatiles
TABLE 5 – Soil Sampling Analytical Results – Soil Boring Samples – Carcinogenic PAHs
TABLE 6 – Soil Sampling Analytical Results – Soil Boring Samples – Non-Carcinogenic PAHs
TABLE 7 – Soil Sampling Analytical Results – Soil Boring Samples – Metals
TABLE 8 – Soil Sampling Analytical Results – Soil Boring Samples – Pesticides, Herbicides, PCBs
TABLE 9 – Groundwater Sampling Analytical Results – TMW Grab Samples – Volatiles
TABLE 10 – Groundwater Sampling Analytical Results – TMW Grab Samples – Semi-Volatiles
TABLE 11 – Groundwater Sampling Analytical Results – TMW Grab Samples – Carcinogenic PAHs
TABLE 12 – Groundwater Sampling Analytical Results – TMW Grab Samples – Non-Carcinogenic PAHs
TABLE 13 – Groundwater Sampling Analytical Results – TMW Grab Samples – Metals
TABLE 14 – Groundwater Sampling Analytical Results – TMW Grab Samples – Pesticides, Herbicides, PCBs

FIGURES

FIGURE 1 – Topographic Site Location
FIGURE 2 – Soil Boring and Temporary Monitoring Well Locations

APPENDICES

APPENDIX A – Soil Boring Lithology Logs
APPENDIX B – Groundwater Sampling Logs, Sampling Equipment Calibration Forms, and Field Notes
APPENDIX C – Laboratory Analytical Results and Chains of Custody
APPENDIX D – Photographic Documentation (on CD)

LIST OF ACRONYMS and ABBREVIATIONS

µg/L	micrograms per liter
AEL	Advanced Environmental Laboratories, Inc.
Aerostar	Aerostar Environmental and Construction LLC
BLS	below land surface
CD	compact disc
DPT	Direct Push Technology
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
ft	foot/feet
LSASD	Laboratory Services and Applied Science Division
mg/kg	milligrams per kilogram
MCL	Maximum Contaminant Limit
MMA	Material Management Area
NELAP	National Environmental Laboratory Accreditation Program
OC	Organochlorine Pesticides
OP	Organophosphate Pesticides
PAHs	Polycyclic Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
PP	Priority Pollutants
PVC	Polyvinyl Chloride
PWS	Performance Work Statement
RSL	Regional Screening Levels
SB	Soil Boring
SOPs	Standard Operating Procedures
SVOC	Semi-volatile Organic Compounds
TMW	temporary monitoring well
USACE	US Army Corps of Engineers
USCS	Unified Soil Classification System
USGS	US Geological Survey
VOCs	Volatile Organic Compounds

1.0 INTRODUCTION

This Phase II Baseline Environmental Assessment Report has been prepared by Aerostar Environmental and Construction LLC (Aerostar) on behalf of the US Army Corps of Engineers (USACE), Jacksonville District, concerning the assessment activities at the Rio Puerto Nuevo Flood Control Project Material Management Area (MMA) in San Juan, Puerto Rico; hereafter referred to as the site. The project site location is shown on **Figure 1**. This report addresses the field activities performed in July 2024 in accordance with the USACE Contract No. W912EP24P0013. The project objective is to prepare a baseline environmental evaluation for the site conditions prior to being utilized as an MMA for the Rio Puerto Nuevo Flood Control Project. The approach of this delivery order to meet the project objective is as follows:

- Conduct a Phase I Environmental Site Assessment (ESA) – *prepared under separate report*
- Collect and analyze soil samples
- Collect and analyze groundwater samples
- Survey soil boring (SB)/temporary monitoring well (TMW) locations

Site History

The Bechara MMA project consists of three adjacent undeveloped land parcels. The project site is approximately 72 acres. The northern portion of the site is bound by roadways including John Fitzgerald Kennedy Expressway and Marginal Kennedy, an industrial park with storage buildings, car dealership parking lot, and a water treatment plant. The southern portion of the site is adjacent to disturbed non-forested undeveloped land including a closed landfill. The southwestern portion of the site abuts a small portion of the Rio Puerto Nuevo (aka Canal Bechara). There is a gravel road that dissects the site from the northeast to the southwest that ends in an automobile junkyard/used car parts dealer (Taller y Piezas Rosaly). The gravel road appears to be constructed using asphalt aggregate. There is a single-family residence within the site boundary.

The three land parcels are currently undeveloped and heavily vegetated. Historical resources were available from 1941 until the present. In summary, the subject property was predominantly low-lying land in the 1940s and 1950s and has since been filled in at several locations throughout the property. The northwestern half of the property has predominantly been wooded and/or low-lying land since at least 1960s. The southeastern half of the property was predominantly cleared land from at least 1967 to at least 1974 and has consisted of wooded, low-lying, and/or cleared land since at least 1989. Powerline easements have transected the property since at least 1941. An access road, which ran from the northwest to the southeast, previously transected the central portion of the property from at least the 1960s to at least the 1980s. Another access road (Calle Principal), which runs from the northeast to the southwest, has transected the central portion of the property since at least 1967. Cleared land/material staging area (1967), suspected residences (1989-1995), and a junkyard (2016-present) were visible on the southwestern portion. In 1977, the southern parcel was apparently cleared for an unknown reason. A paved lot has been visible on the northeastern portion since at least 2003. Staged materials were visible along the fringes of the access road in 2003. A suspected shooting range was visible on the northeastern portion in 2004. Asphalt debris piles are currently visible at three locations alone the access road.

Previous investigations include USACE Jacksonville District report, *Puerto Nuevo Bechara Material Management Area Project – Geotechnical Data Report* (RADISE, 2023) and *Wetland Jurisdictional Determination Delineation and Flora and Fauna Report for Two Material Re-Handling/Placement Areas – Bechara Industrial Area and Luis Munoz Marin Park, Rio Puerto Nuevo, Puerto Rico* (Water & Air Research and Jones Edmunds, 2023).

The site is within the subtropical moist forest life zone portion of Puerto Rico (Brandeis et. al. 2007). There is very little topographic relief, and the elevation is less than eight feet above sea-level.

2.0 BASELINE ENVIRONMENTAL ASSESSMENT ACTIVITIES

As part of the Phase II Baseline Environmental Assessment activities under this contract, Aerostar collected 37 soil samples from SBs and collected 20 groundwater (grab) samples from TMWs. Locations of SBs and TMWs are shown on **Figure 2**.

2.1 Mobilization and Clearing

On July 22, 2024, Aerostar mobilized resources to perform the requirements of the USACE Jacksonville District approved revised Performance Work Statement (PWS) dated June 21, 2024. Aerostar used heavy equipment to clear the vegetation to access the boring locations. The site was extremely wet; even with the heavy equipment, several of the soil boring locations were adjusted due to wet conditions and inability to access the sites.

2.2 Utility Clearance

Aerostar conducted a subsurface utility survey (SUS) using a Rigid SeekTech SR-20 (magnetic). The geophysical survey was conducted at 20 proposed SB/TMW locations. The purpose for the survey was to locate any buried utilities and any buried material/waste within the investigation areas. No utilities were identified and no changes in boring locations were made. However, several of the soil boring locations were adjusted due to wet conditions and inability to access the proposed sites.

2.3 Summary of Soil Boring Lithology

Based on field observations, the nature of the soil borings showed silty sand fill material, stiff clay, and clayey sand at the surface extending down to total depth, approximately 20 feet BLS. Photographic documentation is provided on a separate compact disc (CD).

Based on the findings of the field exploration, the subsurface stratigraphy for the site has been generally characterized by stratigraphic units as presented in the Direct Push Technology (DPT) boring logs. Generalized descriptions of the strata units are summarized below. Soil lithology from the soil borings were described in accordance with the Unified Soil Classification System (USCS). SB lithology logs are provided in **Appendix A**. The following is a general description of the soil lithology.

- FILL (wet to dry): Dark brown, brown, light gray, yellowish brown and black, Sandy Clay, low to medium plasticity, soft, some fine to coarse grained quartz sand, little fine to coarse volcanic and limestone gravel, little manufactured debris (CL); Dark brown, light brown, light gray and dark grayish brown, Silty Sand, fine to coarse grained quartz, little fine to

coarse volcanic and limestone gravel, little manufactured debris (SM); Grayish brown and gray, Silty Gravel, fine to coarse volcanic and limestone gravel, few to some fine to medium grained quartz sand (GM); Brown, light brown, dark brown, reddish brown, orange, grayish brown, light gray and dark gray, Clayey Sand, fine to coarse grained quartz, trace to some fine to coarse volcanic and limestone gravel, trace organics (SC); and Gray, dark gray, dark brown and black, Clayey Gravel, fine to coarse volcanic and limestone gravel, little medium grained quartz sand (GC); Little surficial manufactured debris (trash, garbage, glass, plastic, etc.).

- CLAY, Fat, medium to high plasticity, very soft to hard, trace to some sand, trace to few gravel, few organics, dry to wet, yellowish brown, gray, light brown, dark brown, olive, brown, white, light gray, dark gray, bluish gray, pale blue, grayish brown, red and reddish brown (CH).
- CLAY, Lean, low to medium plasticity, very soft to firm, trace sand to sandy, trace to little gravel, trace to little lenses of peat, few organics, moist to wet, bluish gray, olive gray, gray, dark brown, dark gray, brown (CL).
- CLAYEY SAND, little to some clay, medium plasticity, very soft to firm, little organics, few to little lenses of peat, trace to few gravel, moist to wet, gray, dark brown and black (SC).
- SAND TO SAND WITH CLAY, trace to few clay, little gravel, little lenses of peat, moist to wet, yellowish brown, dark brown and black (SP, SP-SC).

2.4 Soil Sampling

Aerostar collected grab soil samples during the advancement of 20 DPT borings. Soil samples were collected from 0 to 2 feet BLS and from 2 feet BLS to the top of the water table. Aerostar recorded staining, soil type, associated debris, and/or odor during the soil sample collection. A total of 37 soil boring samples were collected for laboratory analyses. Based on field conditions, at three SB locations (SB-10, SB-12, and SB-19) only one soil sample was collected, due to the high-water table. Soil samples were collected in accordance with US Environmental Protection Agency (EPA) Region 4 Laboratory Services and Applied Science Division (LSASD) Operating Procedure *LSASDPROC-300-R5, Soil Sampling, effective 22 April 2023.*

Soil samples from the soil borings were analyzed for the following:

- Volatile organic compounds (VOCs plus 1,4-Dioxane) by EPA Method 8260
- Semi-volatile organic compounds (SVOC) by EPA Method 8270 SIM
- 13 Priority Pollutant (PP) Metals and Barium by EPA Methods 6010/6020/7470
- Polychlorinated biphenyls (PCBs) by EPA Method 8082
- Organophosphate Pesticides by EPA Method 8141
- Organochlorine Pesticides by EPA Method 8081

2.5 Temporary Monitoring Well Installation

Aerostar installed TMWs (TMW-1 though TMW-20) at each soil boring location. The TMWs were installed in accordance with EPA Standard Operating Procedures (SOPs) using the DPT drill rig, with 1.5-inch diameter, polyvinyl chloride (PVC) screen, to an estimated depth of 15 to 20 feet BLS. The final TMW depths were selected following evaluation of the soil boring information to ensure that the screened interval intercepted the water table and that a sufficient water column was available for sampling. Locations of the TMWs are shown in **Figure 2.** TMW construction details and water level measurements prior to sampling are presented on **Table 1**. Following installation of the TMWs, Aerostar developed the wells using a peristaltic pump until the water was clear. Development water was discharged to the ground.

2.6 Groundwater Elevations

During groundwater sampling, the TMWs were gauged to determine water levels and purged volumes. The groundwater elevations were calculated from the depth to water and top of monitoring well casing elevations and summarized in **Table 2**. Due to the subsurface lithology, accurate depth to water measurements could not be collected on several of the TMWs. The clay subsurface prevented the static water level to be accurately measured without waiting several days.

2.7 Groundwater Sampling

A peristaltic pump was used for purging and sampling. Groundwater samples were collected in accordance with EPA Region 4 LSASD Operating Procedure *LSASDPROC-301-R6, Groundwater Sampling, effective 22 April 2023.* The purge water was discharged to the ground. Several TMWs purged dry due to the subsurface lithology (clay). Field parameters measured during purging of the wells prior to sampling are summarized in **Table 2**. Following sampling, the TMWs were grouted and abandoned following sampling.

Following purging, the TMWs were sampled for the following parameter:

- VOCs by EPA Method 8260 plus 1,4-Dioxane by EPA Method 8260
- SVOCs and Polycyclic Aromatic Hydrocarbons (PAHs) by EPA Method 8270 SIM
- 1,4-Dioxane by EPA Method 8270 SIM
- 13 PP Metals and Barium by EPA Methods 6010/6020/7470
- PCBs by EPA Method 8082
- Organophosphate Pesticides by EPA Method 8141
- Organochlorine Pesticides by EPA Method 8081

Soil and groundwater samples were delivered by FedEx, priority overnight to Advanced Environmental Laboratories, Inc. (AEL), a National Environmental Laboratory Accreditation Program (NELAP) laboratory located in Jacksonville, Florida. Groundwater sampling logs, sampling equipment calibration forms, and field notes are provided in **Appendix B**. The laboratory results and chains of custody are provided in **Appendix C**.

3.0 RESULTS OF SOIL AND GROUNDWATER SAMPLING

The laboratory analytical results for the soil boring soil samples are summarized in **Table 3** through **Table 8** and groundwater sampling are summarized in **Table 9** through **Table 14**.

3.1 Soil Sample Results

Soil sample laboratory analytical results from the SBs, were screened against the May 2024, EPA Regional Screening Levels (RSL) for industrial soil (EPA RSL, Health Quotient = 0.1 May 2024).

In 2015, the Puerto Rico Department of Natural and Environment Resources adopted the US EPA RSLs for cleanup levels.

Laboratory analytical results showed **arsenic** concentrations above the EPA Industrial Soil RSL of 3 milligrams per kilogram (mg/kg) at the following locations:

- SB-2 (0-2 foot [ft] depth interval) – 3.3 mg/kg
- SB-3 (0-2 ft depth interval) – 7.3 mg/kg
- SB-3 (6-7 ft depth interval) – 4.3 mg/kg
- SB-4 (0-2 ft depth interval) – 6.8 mg/kg
- SB-5 (0-2 ft depth interval) – 7.1 mg/kg
- SB-5 (6-7 ft depth interval) – 3.2 mg/kg
- SB-6 (0-2 ft depth interval) – 5.2 mg/kg
- SB-7 (0-2 ft depth interval) – 7.9 mg/kg
- SB-9 (0-2 ft depth interval) – 6.9 mg/kg
- SB-10 (0-2 ft depth interval) – 12 mg/kg
- SB-14 (0-4 ft depth interval) – 17 mg/kg
- SB-14 (6-7 ft depth interval) – 4.7 mg/kg
- SB-16 (0-4 ft depth interval) – 3.6 mg/kg
- SB-18 (8-9 ft depth interval) – 3.1 mg/kg
- SB-20 (6-7 ft depth interval) – 16 mg/kg

Laboratory analytical results for soil boring sample SB-20, collected at the 6-7 ft depth interval showed a **lead** concentration of 1,400 mg/kg, above the EPA Industrial Soil RSL of 800 mg/kg.

Laboratory analytical results for soil boring sample SB-2, collected at the 7-8 ft depth interval showed a **PCB-1260** concentration of 1.5 mg/kg, above the EPA Industrial Soil RSL of 0.99 mg/kg, and a total **PCB** (or Aroclor mixture) concentration of 3 mg/kg, above the EPA Industrial Soil RSL of 0.94 mg/kg.

The laboratory analytical results for the remaining soil samples showed no concentrations above EPA RSL.

3.2 Groundwater Sample Results

Groundwater sample laboratory analytical results from the TMWs, were screened against the May 2024, EPA RSL for Maximum Contaminant Level (MCL) or Tap Water (if MCL has not been established) (EPA RSL, Health Quotient = 0.1 May 2024).

Laboratory analytical results showed **arsenic** concentrations above the EPA RSL of 10 micrograms per liter (µg/L) at the following locations:

- TMW-3 (33 µg/L)
- TMW-6 (19 µg/L)
- TMW-7 (18 µg/L)
- TMW-9 (31 µg/L)
- TMW-11 (49 µg/L)
- TMW-12 (13 µg/L)
- TMW-13 (15 µg/L)
- TMW-14 (13 µg/L)
- TMW-15 (14 µg/L)/(16 µg/L)
- TMW-16 (43 µg/L)

Laboratory analytical results showed **lead** concentrations above the EPA RSL of 15 µg/L at the following locations:

- TMW-1 (23 µg/L)
- TMW-2 (640 µg/L)
- TMW-3 (42 µg/L)
- TMW-6 (34 µg/L)
- TMW-7 (36 µg/L)
- TMW-9 (30 µg/L)
- TMW-12 (18 µg/L)
- TMW-17 (200 µg/L)
- TMW-18 (18 µg/L)
- TMW-20 (65 µg/L)

Laboratory analytical results showed **nickel** concentrations above the EPA RSL of 39 µg/L at the following locations:

- TMW-1 (44 µg/L)
- TMW-2 (42 µg/L)
- TMW-3 (estimated concentration of 73 µg/L)
- TMW-6 (71 µg/L)
- TMW-7 (110 µg/L)
- TMW-8 (49 µg/L)
- TMW-9 (68 µg/L)
- TMW-10 (51 µg/L)
- TMW-20 (55 µg/L)

The laboratory analytical results for the remaining groundwater samples showed no concentrations above EPA RSL for MCL or tap water (if an MCL has not been established).

4.0 CONCLUSIONS

The site was heavily vegetated with fill material in various locations. Based on field observations, the nature of the SBs showed silty sand fill material, stiff clay, and clayey sand at the surface extending down to total depth of approximately 20 feet BLS. Photographic documentation is provided in **Appendix D**.

Soil and groundwater samples were collected and submitted to the laboratory for analysis. The laboratory analysis showed concentrations above the EPA RSL for industrial soils for arsenic, lead, and PCBs, and groundwater samples showed arsenic, lead, and nickel concentrations above EPA groundwater MCLs or tap water.

5.0 REFERENCES

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Water & Air Research, Inc. and Jones Edmunds, *Wetland Jurisdictional Determination Delineation and Flora and Fauna Report for Two Material Re-Handling/Placement Areas – Bechara Industrial Area and Luis Munoz Marin Park, Rio Puerto Nuevo, Puerto Rico*, July 2023.

TABLES

TABLE 1
TEMPORARY MPONITORING WELL CONSTRUCTION DETAILS
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

All Measurements (Except Well Diameter) = Feet
DTW = Depth to Water

NM = Not Measured
TOC = Top of Casing Elevation

WELL NO.	**TMW-1**		**TMW-2**		**TMW-3**		**TMW-4**		**TMW-5**	
LATITUDE/LONGITUDE	18.42849124	-66.09118807	18.42577987	-66.08997869	18.42546898	-66.08931392	18.42594957	-66.08909395	18.42595798	-66.08819853
EASTING/NORTHING	774756.16	872395.40	775177.19	871411.58	775407.82	871299.12	775483.73	871473.78	775794.09	871477.42
DIAMETER (in.)	1.0		1.0		1.0		1.0		1.0	
WELL DEPTH (ft.)	19		15		19		19		15	
SCREEN INTERVAL (ft.)	0-19		0-15		0-19		0-19		0-15	
TOC ELEVATION (ft.)	8.79		15.98		8.56		8.10		7.45	
DATE	ELEVATION	DTW	ELEVATION	DTW	ELEVATION	DTW	ELEVATION	DTW	ELEVATION	DTW
July-24	-0.51	9.30	5.68	10.30	2.16	6.40	-0.30	8.40	2.20	5.25

WELL NO.	**TMW-6**		**TMW-7**		**TMW-8**		**TMW-9**		**TMW-10**	
LATITUDE/LONGITUDE	18.42709146	-66.08662957	18.42755775	-66.08792924	18.42724061	-66.08788353	18.42658914	-66.08850573	18.42652214	-66.08974355
EASTING/NORTHING	776337.13	871890.06	775886.33	872058.54	775902.39	871943.40	775687.18	871706.42	775258.18	871681.28
DIAMETER (in.)	1.0		1.0		1.0		1.0		1.0	
WELL DEPTH (ft.)	19		20		14		14		18	
SCREEN INTERVAL (ft.)	0-19		0-20		0-14		0-14		0-18	
TOC ELEVATION (ft.)	7.61		6.92		7.81		7.74		7.42	
DATE	ELEVATION	DTW	ELEVATION	DTW	ELEVATION	DTW	ELEVATION	DTW	ELEVATION	DTW
July-24	3.01	4.60	4.72	2.20	3.11	4.70	2.29	5.45	3.82	3.60

WELL NO.	**TMW-11**		**TMW-12**		**TMW-13**		**TMW-14**		**TMW-15**	
LATITUDE/LONGITUDE	18.42834735	-66.08841854	18.42804482	-66.08874535	18.42772538	-66.08904069	18.42751402	-66.08921053	18.42760398	-66.08984234
EASTING/NORTHING	775716.20	872344.95	775603.13	872234.88	775500.98	872118.68	775442.26	872041.82	775223.2	872074.08
DIAMETER (in.)	1.0		1.0		1.0		1.0		1.0	
WELL DEPTH (ft.)	15		15		19		16		16	
SCREEN INTERVAL (ft.)	0-15		0-15		0-19		0-16		0-16	
TOC ELEVATION (ft.)	13.32		12.83		14.80		13.88		13.39	
DATE	ELEVATION	DTW	ELEVATION	DTW	ELEVATION	DTW	ELEVATION	DTW	ELEVATION	DTW
July-24	4.42	8.90	6.38	6.45	5.70	9.10	4.68	9.20	1.49	11.90

WELL NO.	**TMW-16**		**TMW-17**		**TMW-18**		**TMW-19**		**TMW-20**	
LATITUDE/LONGITUDE	18.428776	-66.08875428	18.42789141	-66.08995144	18.42715585	-66.09035334	18.42942649	-66.0892317	18.42828353	-66.0907728
EASTING/NORTHING	775599.53	872500.39	775185.19	872178.38	775046.39	871911.01	775433.61	872736.30	774900.24	872320.24
DIAMETER (in.)	1.0		1.0		1.0		1.0		1.0	
WELL DEPTH (ft.)	15		18		20		13		19	
SCREEN INTERVAL (ft.)	0-15		0-18		0-20		0-13		0-19	
TOC ELEVATION (ft.)	13.68		5.48		11.06		4.92		8.69	
DATE	ELEVATION	DTW	ELEVATION	DTW	ELEVATION	DTW	ELEVATION	DTW	ELEVATION	DTW
July-24	5.58	8.10	-2.82	8.30	1.46	9.60	2.62	2.30	-2.41	11.10

TABLE 2
FIELD WATER QUALITY
PARAMETERS DURING SAMPLING
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

Well ID	Purge Date	Depth to Water (feet BTOC)	Volume Purged Prior to Sampling (gal)	pH	Temperature (°C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)
TMW-1	07/26/24	9.30	0.25	Purged Dry					
TMW-2	08/01/24	10.30	0.30	7.84	29.6	14225	0.18	>1000	-150.4
TMW-3	08/01/24	6.40	0.50	6.84	26.9	11037	1.80	650.00	-31.2
TMW-4	07/31/24	8.40	0.25	Purged Dry					
TMW-5	07/30/24	5.25	0.39	6.87	30.3	13131	1	9.96	-20.3
TMW-6	08/01/24	4.60	0.50	7.11	28.1	27247	0.2	506	-90.6
TMW-7	07/31/24	2.20	0.25	Purged Dry					
TMW-8	07/30/24	4.70	1.00	6.74	29.70	17522	1.58	29.6	33.3
TMW-9	07/31/24	5.45	0.25	Purged Dry					
TMW-10	07/31/24	3.60	0.25	6.87	28.6	13754	1.78	268	-8.4
TMW-11	07/23/24	8.90	1.55	7.06	28.4	11339	0.18	7.3	-133.6
TMW-12	07/24/24	6.45	0.75	7.04	27.7	17313	1.43	596	-79.1
TMW-13	07/24/24	9.10	2.30	7.07	28.6	14884	0.13	70.6	-107.2
TMW-14	07/24/24	9.20	0.50	7.06	30.3	6371	0.86	375	-78.9
TMW-15	07/26/24	11.90	0.25	Purged Dry					
TMW-16	07/23/24	8.10	3.55	6.86	31.2	1873	0.32	6.8	-92.9
TMW-17	07/26/24	8.30	0.70	6.65	28.8	22306	0.30	>5000	-67.0
TMW-18	07/29/24	9.60	1.80	6.88	29.5	11505	0.20	222	-97.5
TMW-19	07/26/24	2.30	0.80	7.35	29.5	1612	0.47	63.9	-93.7
TMW-20	07/26/24	11.10	0.25	Purged Dry					

Note: BTOC - below top of case
gal - gallons
µS/cm - microsiemen/centimeter
mg/L - milligrams/liter
NTU - Nephelometric Turbidity Unit
mV - millivolts

TABLE 3
SOIL SAMPLING ANALYTICAL RESULTS - Soil Boring Samples - Volatiles
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

Site Name	Bechara Lands DMMA			Lab Sample ID		J2411211007	J2411211003	J2411336001	J2411336002	J2411208014	J2411208015	J2411208011	J2411208012	J2411208009	J2411208010
Site Location	San Juan, PR			Sample Number		SB-1-0-2	SB-1-7-8	SB-2-0-2	SB-2-7-8	SB-3-0-2	SB-3-6-7	SB-4-0-2	SB-4-4-5	SB-5-0-2	SB-5-6-7
Project Manager	Rick Levin, PG			Date/ Time Sampled		7/25/2024 13:45	7/25/2024 13:55	8/1/2024 11:05	8/1/2024 11:40	7/31/2024 11:15	7/31/2024 11:40	7/30/2024 14:10	7/30/2024 14:35	7/30/2024 11:45	7/30/2024 12:05
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	7-8	0-2	7-8	0-2	6-7	0-2	4-5	0-2	6-7
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-1**	**SB-1**	**SB-2**	**SB-2**	**SB-3**	**SB-3**	**SB-4**	**SB-4**	**SB-5**	**SB-5**
1,1,1-TRICHLOROETHANE	71-55-6	DoD SW-846 8260C	mg/kg	810	**3600**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
1,1,2,2-TETRACHLOROETHANE	79-34-5	DoD SW-846 8260C	mg/kg	0.60	**2.70**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
1,1,2-TRICHLOROETHANE	79-00-5	DoD SW-846 8260C	mg/kg	0.15	**0.63**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
1,1-DICHLOROETHANE	75-34-3	DoD SW-846 8260C	mg/kg	3.60	**16.00**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
1,1-DICHLOROETHENE	75-35-4	DoD SW-846 8260C	mg/kg	23	**100**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
1,2,4-TRICHLOROBENZENE	120-82-1	DoD SW-846 8260C	mg/kg	5.80	**26.00**	0.0022 U	0.0016 U	0.0018 U	0.002 U	0.0019 U	0.0023 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	DoD SW-846 8260C	mg/kg	0.01	**0.06**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
1,2-DIBROMOETHANE (EDB)	106-93-4	DoD SW-846 8260C	mg/kg	0.04	**0.16**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
1,2-DICHLOROBENZENE	95-50-1	DoD SW-846 8260C	mg/kg	180	**930**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
1,2-DICHLOROETHANE	107-06-2	DoD SW-846 8260C	mg/kg	0.46	**2.00**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
1,2-DICHLOROPROPANE	78-87-5	DoD SW-846 8260C	mg/kg	1.60	**6.60**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
1,3-DICHLOROBENZENE	541-73-1	DoD SW-846 8260C	mg/kg	--	--	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
1,4-DICHLOROBENZENE	106-46-7	DoD SW-846 8260C	mg/kg	2.60	**11**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
1,4-DIOXANE	123-91-1	DoD SW-846 8260C	mg/kg	5.30	**24**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
2-HEXANONE	591-78-6	DoD SW-846 8260C	mg/kg	20	**130**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
ACETONE	67-64-1	DoD SW-846 8260C	mg/kg	7000	**110000**	0.0045 U	0.05	0.0036 U	0.061	0.0047 J	0.051	0.004 U	0.014	0.0038 U	0.098
BENZENE	71-43-2	DoD SW-846 8260C	mg/kg	1.20	**5.10**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
BROMODICHLOROMETHANE	75-27-4	DoD SW-846 8260C	mg/kg	0.29	**1.30**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
BROMOFORM	75-25-2	DoD SW-846 8260C	mg/kg	19	**86**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
BROMOMETHANE	74-83-9	DoD SW-846 8260C	mg/kg	0.68	**3.00**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
CARBON DISULFIDE	75-15-0	DoD SW-846 8260C	mg/kg	77	**350**	0.0022 U	0.0033 --	0.0018 U	0.0021 U	0.0019 U	0.0036 J	0.002 U	0.0022 U	0.0019 U	0.0046
CARBON TETRACHLORIDE	56-23-5	DoD SW-846 8260C	mg/kg	0.65	**2.90**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
CHLOROBENZENE	108-90-7	DoD SW-846 8260C	mg/kg	28.00	**130**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
CHLOROETHANE	75-00-3	DoD SW-846 8260C	mg/kg	540	**2300**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
CHLOROFORM	67-66-3	DoD SW-846 8260C	mg/kg	0.32	**1.40**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
CHLOROMETHANE	74-87-3	DoD SW-846 8260C	mg/kg	11	**46**	0.0045 U	0.0032 U	0.0036 U	0.0042 U	0.0037 U	0.0047 U	0.004 U	0.0044 U	0.0038 U	0.0045 U
cis-1,2-DICHLOROETHENE	156-59-2	DoD SW-846 8260C	mg/kg	6.30	**37**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
cis-1,3-DICHLOROPROPENE	10061-01-5	DoD SW-846 8260C	mg/kg	--	--	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
DIBROMOCHLOROMETHANE	124-48-1	DoD SW-846 8260C	mg/kg	8.30	**39**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
DICHLORODIFLUOROMETHANE	75-71-8	DoD SW-846 8260C	mg/kg	8.70	**37**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
ETHYLBENZENE	100-41-4	DoD SW-846 8260C	mg/kg	5.80	**25**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
ISOPROPYLBENZENE (CUMENE)	98-82-8	DoD SW-846 8260C	mg/kg	190	**990**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
METHYL ACETATE	79-20-9	DoD SW-846 8260C	mg/kg	7800	**120000**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
METHYL ETHYL KETONE (2-BUTANONE)	78-93-3	DoD SW-846 8260C	mg/kg	2700	**19000**	0.0022 U	0.0016 U	0.0018 U	0.0016 J	0.0019 U	0.002 J	0.002 U	0.0022 U	0.0019 U	0.0027 J
METHYL ISOBUTYL KETONE	108-10-1	DoD SW-846 8260C	mg/kg	3300	**14000**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
METHYL tert-BUTYL ETHER	1634-04-4	DoD SW-846 8260C	mg/kg	47	**210**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
METHYLENE CHLORIDE	75-09-2	DoD SW-846 8260C	mg/kg	35	**320**	0.0045 U	0.0032 U	0.0036 U	0.0042 U	0.0037 U	0.0047 U	0.0023 J	0.0044 U	0.0023 J	0.0045 U
STYRENE	100-42-5	DoD SW-846 8260C	mg/kg	600	**3500**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
TETRACHLOROETHENE	127-18-4	DoD SW-846 8260C	mg/kg	8.10	**39**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
TOLUENE	108-88-3	DoD SW-846 8260C	mg/kg	490	**4700**	0.0022 U	0.003 J	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
trans-1,2-DICHLOROETHENE	156-60-5	DoD SW-846 8260C	mg/kg	7	**30**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
trans-1,3-DICHLOROPROPENE	10061-02-6	DoD SW-846 8260C	mg/kg	--	--	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
TRICHLOROETHYLENE	79-01-6	DoD SW-846 8260C	mg/kg	0.41	**1.90**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
TRICHLOROFLUOROMETHANE	75-69-4	DoD SW-846 8260C	mg/kg	2300	**35000**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
TRICHLOROTRIFLUOROETHANE	76-13-1	DoD SW-846 8260C	mg/kg	670	**2800**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
VINYL CHLORIDE	75-01-4	DoD SW-846 8260C	mg/kg	0.06	**1.70**	0.0022 U	0.0016 U	0.0018 U	0.0021 U	0.0019 U	0.0024 U	0.002 U	0.0022 U	0.0019 U	0.0022 U
Xylenes- Total	1330-20-7	DoD SW-846 8260C	mg/kg	58	**250**	0.0067 U	0.0048 U	0.0054 U	0.0063 U	0.0056 U	0.0071 U	0.0059 U	0.0066 U	0.0057 U	0.0067 U

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units:
mg/kg - micrograms per kilogram

TABLE 3
SOIL SAMPLING ANALYTICAL RESULTS - Soil Boring Samples - Volatiles
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

Site Name	Bechara Lands DMMA			Lab Sample ID		J2411336003	J2411336004	J2411208003	J2411208004	J2411208005	J2411208006	J2411208007	J2411208008	J2411208013	J2410906003	J2410906004
Site Location	San Juan, PR			Sample Number		SB-6-0-2	SB-6-5-6	SB-7-0-2	SB-7-8-9	SB-8-0-2	SB-8-5-6	SB-9-0-2	SB-9-7-8	SB-10-0-2	SB-11-2-4	SB-11-8
Project Manager	Rick Levin, PG			Date/ Time Sampled		8/1/2024 12:45	8/1/2024 13:15	7/29/2024 11:05	7/29/2024 11:40	7/29/2024 13:15	7/29/2024 13:45	7/30/2024 10:10	7/30/2024 10:40	7/31/2024 9:10	7/23/2024 13:10	7/23/2024 13:25
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	5-6	0-2	8-9	0-2	5-6	0-2	7-8	0-2	2-4	8
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-6**	**SB-6**	**SB-7**	**SB-7**	**SB-8**	**SB-8**	**SB-9**	**SB-9**	**SB-10**	**SB-11**	**SB-11**
1,1,1-TRICHLOROETHANE	71-55-6	DoD SW-846 8260C	mg/kg	810	**3600**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
1,1,2,2-TETRACHLOROETHANE	79-34-5	DoD SW-846 8260C	mg/kg	0.60	**2.70**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
1,1,2-TRICHLOROETHANE	79-00-5	DoD SW-846 8260C	mg/kg	0.15	**0.63**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
1,1-DICHLOROETHANE	75-34-3	DoD SW-846 8260C	mg/kg	3.60	**16.00**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
1,1-DICHLOROETHENE	75-35-4	DoD SW-846 8260C	mg/kg	23	**100**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
1,2,4-TRICHLOROBENZENE	120-82-1	DoD SW-846 8260C	mg/kg	5.80	**26.00**	0.0019 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	DoD SW-846 8260C	mg/kg	0.01	**0.06**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
1,2-DIBROMOETHANE (EDB)	106-93-4	DoD SW-846 8260C	mg/kg	0.04	**0.16**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
1,2-DICHLOROBENZENE	95-50-1	DoD SW-846 8260C	mg/kg	180	**930**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
1,2-DICHLOROETHANE	107-06-2	DoD SW-846 8260C	mg/kg	0.46	**2.00**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
1,2-DICHLOROPROPANE	78-87-5	DoD SW-846 8260C	mg/kg	1.60	**6.60**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
1,3-DICHLOROBENZENE	541-73-1	DoD SW-846 8260C	mg/kg	--	--	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
1,4-DICHLOROBENZENE	106-46-7	DoD SW-846 8260C	mg/kg	2.60	**11**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
1,4-DIOXANE	123-91-1	DoD SW-846 8260C	mg/kg	5.30	**24**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
2-HEXANONE	591-78-6	DoD SW-846 8260C	mg/kg	20	**130**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
ACETONE	67-64-1	DoD SW-846 8260C	mg/kg	7000	**110000**	0.0038 J	0.086	0.0037 U	0.12	0.0039 U	0.034	0.0043 U	0.066	0.0041 U	0.0027 U	0.037
BENZENE	71-43-2	DoD SW-846 8260C	mg/kg	1.20	**5.10**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
BROMODICHLOROMETHANE	75-27-4	DoD SW-846 8260C	mg/kg	0.29	**1.30**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
BROMOFORM	75-25-2	DoD SW-846 8260C	mg/kg	19	**86**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
BROMOMETHANE	74-83-9	DoD SW-846 8260C	mg/kg	0.68	**3.00**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
CARBON DISULFIDE	75-15-0	DoD SW-846 8260C	mg/kg	77	**350**	0.002 U	0.0025 U	0.0019 U	0.0075	0.002 U	0.0029 U	0.0021 U	0.0019 J	0.0021 U	0.0013 U	0.0014 U
CARBON TETRACHLORIDE	56-23-5	DoD SW-846 8260C	mg/kg	0.65	**2.90**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
CHLOROBENZENE	108-90-7	DoD SW-846 8260C	mg/kg	28.00	**130**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
CHLOROETHANE	75-00-3	DoD SW-846 8260C	mg/kg	540	**2300**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
CHLOROFORM	67-66-3	DoD SW-846 8260C	mg/kg	0.32	**1.40**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
CHLOROMETHANE	74-87-3	DoD SW-846 8260C	mg/kg	11	**46**	0.004 U	0.005 U	0.0037 U	0.0051 U	0.0039 U	0.0057 U	0.0043 U	0.0046 U	0.0041 U	0.0027 U	0.0028 U
cis-1,2-DICHLOROETHENE	156-59-2	DoD SW-846 8260C	mg/kg	6.30	**37**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
cis-1,3-DICHLOROPROPENE	10061-01-5	DoD SW-846 8260C	mg/kg	--	--	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
DIBROMOCHLOROMETHANE	124-48-1	DoD SW-846 8260C	mg/kg	8.30	**39**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
DICHLORODIFLUOROMETHANE	75-71-8	DoD SW-846 8260C	mg/kg	8.70	**37**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
ETHYLBENZENE	100-41-4	DoD SW-846 8260C	mg/kg	5.80	**25**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
ISOPROPYLBENZENE (CUMENE)	98-82-8	DoD SW-846 8260C	mg/kg	190	**990**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
METHYL ACETATE	79-20-9	DoD SW-846 8260C	mg/kg	7800	**120000**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
METHYL ETHYL KETONE (2-BUTANO	78-93-3	DoD SW-846 8260C	mg/kg	2700	**19000**	0.002 U	0.0025 U	0.0019 U	0.0044 J	0.002 U	0.0029 U	0.0021 U	0.0025 J	0.0021 U	0.0013 U	0.0017 J
METHYL ISOBUTYL KETONE	108-10-1	DoD SW-846 8260C	mg/kg	3300	**14000**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
METHYL tert-BUTYL ETHER	1634-04-4	DoD SW-846 8260C	mg/kg	47	**210**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
METHYLENE CHLORIDE	75-09-2	DoD SW-846 8260C	mg/kg	35	**320**	0.004 U	0.005 U	0.0037 U	0.0051 U	0.0039 U	0.0057 U	0.0043 U	0.0046 U	0.0041 U	0.0027 U	0.0028 U
STYRENE	100-42-5	DoD SW-846 8260C	mg/kg	600	**3500**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
TETRACHLOROETHENE	127-18-4	DoD SW-846 8260C	mg/kg	8.10	**39**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
TOLUENE	108-88-3	DoD SW-846 8260C	mg/kg	490	**4700**	0.002 U	0.0043 J	0.00095 J	0.0026 U	0.002 U	0.0029 U	0.0019 J	0.0023 U	0.0021 U	0.0013 U	0.0014 U
trans-1,2-DICHLOROETHENE	156-60-5	DoD SW-846 8260C	mg/kg	7	**30**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
trans-1,3-DICHLOROPROPENE	10061-02-6	DoD SW-846 8260C	mg/kg	--	--	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
TRICHLOROETHYLENE	79-01-6	DoD SW-846 8260C	mg/kg	0.41	**1.90**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
TRICHLOROFLUOROMETHANE	75-69-4	DoD SW-846 8260C	mg/kg	2300	**35000**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
TRICHLOROTRIFLUOROETHANE	76-13-1	DoD SW-846 8260C	mg/kg	670	**2800**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
VINYL CHLORIDE	75-01-4	DoD SW-846 8260C	mg/kg	0.06	**1.70**	0.002 U	0.0025 U	0.0019 U	0.0026 U	0.002 U	0.0029 U	0.0021 U	0.0023 U	0.0021 U	0.0013 U	0.0014 U
Xylenes- Total	1330-20-7	DoD SW-846 8260C	mg/kg	58	**250**	0.006 U	0.0075 U	0.0056 U	0.0077 U	0.0059 U	0.0086 U	0.0064 U	0.0068 U	0.0062 U	0.004 U	0.0043 U

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units:
mg/kg - micrograms per kilogram

TABLE 3
SOIL SAMPLING ANALYTICAL RESULTS - Soil Boring Samples - Volatiles
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

Site Name	Bechara Lands DMMA			Lab Sample ID		J2410906005	J2410906006	J2410906007	J2410906011	J2410906008	J2410906009	J2410906010	J2410906001	J2410906002	J2411211005	J2411211004
Site Location	San Juan, PR			Sample Number		SB-12-0-2	SB-13-0-4	SB-13-6-7	SB-14-0-4	SB-14-6-7	SB-15-0-4	SB-15-8-9	SB-16-1.5-2.5	SB-16-4	SB-17-0-4	SB-17-6-7
Project Manager	Rick Levin, PG			Date/ Time Sampled		7/23/2024 15:55	7/24/2024 10:10	7/24/2024 10:35	7/24/2024 11:45	7/24/2024 12:15	7/24/2024 14:00	7/24/2024 14:45	7/23/2024 9:30	7/23/2024 9:50	7/25/2024 9:30	7/25/2024 9:50
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	0-4	6-7	0-4	6-7	0-4	8-9	1.5-2.5	4	0-4	6-7
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-12**	**SB-13**	**SB-13**	**SB-14**	**SB-14**	**SB-15**	**SB-15**	**SB-16**	**SB-16**	**SB-17**	**SB-17**
1,1,1-TRICHLOROETHANE	71-55-6	DoD SW-846 8260C	mg/kg	810	**3600**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
1,1,2,2-TETRACHLOROETHANE	79-34-5	DoD SW-846 8260C	mg/kg	0.60	**2.70**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
1,1,2-TRICHLOROETHANE	79-00-5	DoD SW-846 8260C	mg/kg	0.15	**0.63**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
1,1-DICHLOROETHANE	75-34-3	DoD SW-846 8260C	mg/kg	3.60	**16.00**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
1,1-DICHLOROETHENE	75-35-4	DoD SW-846 8260C	mg/kg	23	**100**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
1,2,4-TRICHLOROBENZENE	120-82-1	DoD SW-846 8260C	mg/kg	5.80	**26.00**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	DoD SW-846 8260C	mg/kg	0.01	**0.06**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
1,2-DIBROMOETHANE (EDB)	106-93-4	DoD SW-846 8260C	mg/kg	0.04	**0.16**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
1,2-DICHLOROBENZENE	95-50-1	DoD SW-846 8260C	mg/kg	180	**930**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
1,2-DICHLOROETHANE	107-06-2	DoD SW-846 8260C	mg/kg	0.46	**2.00**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
1,2-DICHLOROPROPANE	78-87-5	DoD SW-846 8260C	mg/kg	1.60	**6.60**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
1,3-DICHLOROBENZENE	541-73-1	DoD SW-846 8260C	mg/kg	--	--	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
1,4-DICHLOROBENZENE	106-46-7	DoD SW-846 8260C	mg/kg	2.60	**11**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
1,4-DIOXANE	123-91-1	DoD SW-846 8260C	mg/kg	5.30	**24**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
2-HEXANONE	591-78-6	DoD SW-846 8260C	mg/kg	20	**130**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
ACETONE	67-64-1	DoD SW-846 8260C	mg/kg	7000	**110000**	0.088	0.0044 U	0.067	0.029	0.068	0.087	0.094	0.06	0.021	0.0036 U	0.067
BENZENE	71-43-2	DoD SW-846 8260C	mg/kg	1.20	**5.10**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
BROMODICHLOROMETHANE	75-27-4	DoD SW-846 8260C	mg/kg	0.29	**1.30**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
BROMOFORM	75-25-2	DoD SW-846 8260C	mg/kg	19	**86**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
BROMOMETHANE	74-83-9	DoD SW-846 8260C	mg/kg	0.68	**3.00**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
CARBON DISULFIDE	75-15-0	DoD SW-846 8260C	mg/kg	77	**350**	0.0024 J	0.0022 U	0.0019 J	0.0024 U	0.0028 J	0.0075	0.0036 J	0.0019 U	0.0014 J	0.0018 U	0.0013 J
CARBON TETRACHLORIDE	56-23-5	DoD SW-846 8260C	mg/kg	0.65	**2.90**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
CHLOROBENZENE	108-90-7	DoD SW-846 8260C	mg/kg	28.00	**130**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
CHLOROETHANE	75-00-3	DoD SW-846 8260C	mg/kg	540	**2300**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
CHLOROFORM	67-66-3	DoD SW-846 8260C	mg/kg	0.32	**1.40**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
CHLOROMETHANE	74-87-3	DoD SW-846 8260C	mg/kg	11	**46**	0.0043 U	0.0044 U	0.0037 U	0.0048 U	0.004 U	0.0063 U	0.0039 U	0.0038 U	0.0031 U	0.0036 U	0.0032 U
cis-1,2-DICHLOROETHENE	156-59-2	DoD SW-846 8260C	mg/kg	6.30	**37**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
cis-1,3-DICHLOROPROPENE	10061-01-5	DoD SW-846 8260C	mg/kg	--	--	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
DIBROMOCHLOROMETHANE	124-48-1	DoD SW-846 8260C	mg/kg	8.30	**39**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
DICHLORODIFLUOROMETHANE	75-71-8	DoD SW-846 8260C	mg/kg	8.70	**37**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
ETHYLBENZENE	100-41-4	DoD SW-846 8260C	mg/kg	5.80	**25**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
ISOPROPYLBENZENE (CUMENE)	98-82-8	DoD SW-846 8260C	mg/kg	190	**990**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
METHYL ACETATE	79-20-9	DoD SW-846 8260C	mg/kg	7800	**120000**	0.0018 J	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0039	0.0022 J	0.0018 U	0.0016 J
METHYL ETHYL KETONE (2-BUTANO	78-93-3	DoD SW-846 8260C	mg/kg	2700	**19000**	0.0049	0.0022 U	0.0024 J	0.0024 U	0.0026 J	0.0051 J	0.0059	0.0013 J	0.0016 U	0.0018 U	0.0013 J
METHYL ISOBUTYL KETONE	108-10-1	DoD SW-846 8260C	mg/kg	3300	**14000**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
METHYL tert-BUTYL ETHER	1634-04-4	DoD SW-846 8260C	mg/kg	47	**210**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
METHYLENE CHLORIDE	75-09-2	DoD SW-846 8260C	mg/kg	35	**320**	0.0043 U	0.0044 U	0.0037 U	0.0048 U	0.004 U	0.0063 U	0.0039 U	0.0038 U	0.0031 U	0.0036 U	0.0032 U
STYRENE	100-42-5	DoD SW-846 8260C	mg/kg	600	**3500**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
TETRACHLOROETHENE	127-18-4	DoD SW-846 8260C	mg/kg	8.10	**39**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
TOLUENE	108-88-3	DoD SW-846 8260C	mg/kg	490	**4700**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
trans-1,2-DICHLOROETHENE	156-60-5	DoD SW-846 8260C	mg/kg	7	**30**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
trans-1,3-DICHLOROPROPENE	10061-02-6	DoD SW-846 8260C	mg/kg	--	--	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
TRICHLOROETHYLENE	79-01-6	DoD SW-846 8260C	mg/kg	0.41	**1.90**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
TRICHLOROFLUOROMETHANE	75-69-4	DoD SW-846 8260C	mg/kg	2300	**35000**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0019 J	0.0018 U	0.0016 U
TRICHLOROTRIFLUOROETHANE	76-13-1	DoD SW-846 8260C	mg/kg	670	**2800**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
VINYL CHLORIDE	75-01-4	DoD SW-846 8260C	mg/kg	0.06	**1.70**	0.0021 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0031 U	0.002 U	0.0019 U	0.0016 U	0.0018 U	0.0016 U
Xylenes- Total	1330-20-7	DoD SW-846 8260C	mg/kg	58	**250**	0.0064 U	0.0066 U	0.0056 U	0.0073 U	0.006 U	0.0094 U	0.0059 U	0.0058 U	0.0047 U	0.0054 U	0.0048 U

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units:
mg/kg - micrograms per kilogram

TABLE 3
SOIL SAMPLING ANALYTICAL RESULTS - Soil Boring Samples - Volatiles
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

Site Name	Bechara Lands DMMA			Lab Sample ID		J2411208001	J2411208002	J2411211002	J2411211006	J2411211001
Site Location	San Juan, PR			Sample Number		SB-18-0-2	SB-18-8-9	SB-19-0-2	SB-20-0-4	SB-20-6-7
Project Manager	Rick Levin, PG			Date/ Time Sampled		7/29/2024 9:30	7/29/2024 9:50	7/25/2024 15:00	7/25/2024 11:15	7/25/2024 12:10
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	8-9	0-2	0-4	6-7
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-18**	**SB-18**	**SB-19**	**SB-20**	**SB-20**
1,1,1-TRICHLOROETHANE	71-55-6	DoD SW-846 8260C	mg/kg	810	**3600**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
1,1,2,2-TETRACHLOROETHANE	79-34-5	DoD SW-846 8260C	mg/kg	0.60	**2.70**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
1,1,2-TRICHLOROETHANE	79-00-5	DoD SW-846 8260C	mg/kg	0.15	**0.63**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
1,1-DICHLOROETHANE	75-34-3	DoD SW-846 8260C	mg/kg	3.60	**16.00**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
1,1-DICHLOROETHENE	75-35-4	DoD SW-846 8260C	mg/kg	23	**100**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
1,2,4-TRICHLOROBENZENE	120-82-1	DoD SW-846 8260C	mg/kg	5.80	**26.00**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	DoD SW-846 8260C	mg/kg	0.01	**0.06**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
1,2-DIBROMOETHANE (EDB)	106-93-4	DoD SW-846 8260C	mg/kg	0.04	**0.16**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
1,2-DICHLOROBENZENE	95-50-1	DoD SW-846 8260C	mg/kg	180	**930**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
1,2-DICHLOROETHANE	107-06-2	DoD SW-846 8260C	mg/kg	0.46	**2.00**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
1,2-DICHLOROPROPANE	78-87-5	DoD SW-846 8260C	mg/kg	1.60	**6.60**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
1,3-DICHLOROBENZENE	541-73-1	DoD SW-846 8260C	mg/kg	--	--	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
1,4-DICHLOROBENZENE	106-46-7	DoD SW-846 8260C	mg/kg	2.60	**11**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
1,4-DIOXANE	123-91-1	DoD SW-846 8260C	mg/kg	5.30	**24**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
2-HEXANONE	591-78-6	DoD SW-846 8260C	mg/kg	20	**130**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
ACETONE	67-64-1	DoD SW-846 8260C	mg/kg	7000	**110000**	0.0062 J	0.053	0.2	0.0039 U	0.044
BENZENE	71-43-2	DoD SW-846 8260C	mg/kg	1.20	**5.10**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
BROMODICHLOROMETHANE	75-27-4	DoD SW-846 8260C	mg/kg	0.29	**1.30**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
BROMOFORM	75-25-2	DoD SW-846 8260C	mg/kg	19	**86**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
BROMOMETHANE	74-83-9	DoD SW-846 8260C	mg/kg	0.68	**3.00**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
CARBON DISULFIDE	75-15-0	DoD SW-846 8260C	mg/kg	77	**350**	0.0017 U	0.0018 U	0.0029 J	0.0019 U	0.0018 U
CARBON TETRACHLORIDE	56-23-5	DoD SW-846 8260C	mg/kg	0.65	**2.90**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
CHLOROBENZENE	108-90-7	DoD SW-846 8260C	mg/kg	28.00	**130**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
CHLOROETHANE	75-00-3	DoD SW-846 8260C	mg/kg	540	**2300**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
CHLOROFORM	67-66-3	DoD SW-846 8260C	mg/kg	0.32	**1.40**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
CHLOROMETHANE	74-87-3	DoD SW-846 8260C	mg/kg	11	**46**	0.0034 U	0.0037 U	0.0039 U	0.0039 U	0.0036 U
cis-1,2-DICHLOROETHENE	156-59-2	DoD SW-846 8260C	mg/kg	6.30	**37**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
cis-1,3-DICHLOROPROPENE	10061-01-5	DoD SW-846 8260C	mg/kg	--	--	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
DIBROMOCHLOROMETHANE	124-48-1	DoD SW-846 8260C	mg/kg	8.30	**39**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
DICHLORODIFLUOROMETHANE	75-71-8	DoD SW-846 8260C	mg/kg	8.70	**37**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
ETHYLBENZENE	100-41-4	DoD SW-846 8260C	mg/kg	5.80	**25**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
ISOPROPYLBENZENE (CUMENE)	98-82-8	DoD SW-846 8260C	mg/kg	190	**990**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
METHYL ACETATE	79-20-9	DoD SW-846 8260C	mg/kg	7800	**120000**	0.0017 U	0.0018 U	0.035 --	0.0019 U	0.0018 U
METHYL ETHYL KETONE (2-BUTANOI	78-93-3	DoD SW-846 8260C	mg/kg	2700	**19000**	0.0017 U	0.0011 J	0.0047 --	0.0019 U	0.0018 U
METHYL ISOBUTYL KETONE	108-10-1	DoD SW-846 8260C	mg/kg	3300	**14000**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
METHYL tert-BUTYL ETHER	1634-04-4	DoD SW-846 8260C	mg/kg	47	**210**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
METHYLENE CHLORIDE	75-09-2	DoD SW-846 8260C	mg/kg	35	**320**	0.0034 U	0.0037 U	0.002 J	0.0039 U	0.0036 U
STYRENE	100-42-5	DoD SW-846 8260C	mg/kg	600	**3500**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
TETRACHLOROETHENE	127-18-4	DoD SW-846 8260C	mg/kg	8.10	**39**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
TOLUENE	108-88-3	DoD SW-846 8260C	mg/kg	490	**4700**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
trans-1,2-DICHLOROETHENE	156-60-5	DoD SW-846 8260C	mg/kg	7	**30**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
trans-1,3-DICHLOROPROPENE	10061-02-6	DoD SW-846 8260C	mg/kg	--	--	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
TRICHLOROETHYLENE	79-01-6	DoD SW-846 8260C	mg/kg	0.41	**1.90**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
TRICHLOROFLUOROMETHANE	75-69-4	DoD SW-846 8260C	mg/kg	2300	**35000**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
TRICHLOROTRIFLUOROETHANE	76-13-1	DoD SW-846 8260C	mg/kg	670	**2800**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
VINYL CHLORIDE	75-01-4	DoD SW-846 8260C	mg/kg	0.06	**1.70**	0.0017 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U
Xylenes- Total	1330-20-7	DoD SW-846 8260C	mg/kg	58	**250**	0.0051 U	0.0055 U	0.0058 U	0.0058 U	0.0054 U

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units:
mg/kg - micrograms per kilogram

TABLE 4
SOIL SAMPLING ANALYTICAL RESULTS - Soil Boring Samples - Semi-Volatiles
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

Site Name	Bechara Lands DMMA			Lab Sample ID		J2411211007	J2411211003	J2411336001	J2411336002	J2411208014	J2411208015	J2411208011	J2411208012	J2411208009	J2411208010
Site Location	San Juan, PR			Sample Number		SB-1-0-2	SB-1-7-8	SB-2-0-2	SB-2-7-8	SB-3-0-2	SB-3-6-7	SB-4-0-2	SB-4-4-5	SB-5-0-2	SB-5-6-7
Project Manager	Rick Levin, PG			Date/ Time Sampled		7/25/2024 13:45	7/25/2024 13:55	8/1/2024 11:05	8/1/2024 11:40	7/31/2024 11:15	7/31/2024 11:40	7/30/2024 14:10	7/30/2024 14:35	7/30/2024 11:45	7/30/2024 12:05
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	7-8	0-2	7-8	0-2	6-7	0-2	4-5	0-2	6-7
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-1**	**SB-1**	**SB-2**	**SB-2**	**SB-3**	**SB-3**	**SB-4**	**SB-4**	**SB-5**	**SB-5**
2,4,5-TRICHLOROPHENOL	95-95-4	DoD SW-846 8270D	mg/kg	630	**8200**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
2,4,6-TRICHLOROPHENOL	88-06-2	DoD SW-846 8270D	mg/kg	6.30	**82**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
2,4-DICHLOROPHENOL	120-83-2	DoD SW-846 8270D	mg/kg	19	**250**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
2,4-DIMETHYLPHENOL	105-67-9	DoD SW-846 8270D	mg/kg	130	**1600**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
2,4-DINITROPHENOL	51-28-5	DoD SW-846 8270D	mg/kg	13	**160**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
2,4-DINITROTOLUENE	121-14-2	DoD SW-846 8270D	mg/kg	1.70	**7.40**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
2,6-DINITROTOLUENE	606-20-2	DoD SW-846 8270D	mg/kg	0.36	**1.50**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
2-CHLORONAPHTHALENE	91-58-7	DoD SW-846 8270D	mg/kg	480	**6000**	7.4 U	0.39 U	0.46 U	1.7 U	0.46 U	0.49 U	0.47 U	0.51 U	0.46 U	0.5 U
2-CHLOROPHENOL	95-57-8	DoD SW-846 8270D	mg/kg	39	**580**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
2-METHYLPHENOL	95-48-7	DoD SW-846 8270D	mg/kg	320	**4100**	7.4 U	0.39 U	0.46 U	1.7 U	0.46 U	0.49 U	0.47 U	0.51 U	0.46 U	0.5 U
2-NITROANILINE	88-74-4	DoD SW-846 8270D	mg/kg	63	**800**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
2-NITROPHENOL	88-75-5	DoD SW-846 8270D	mg/kg	--	--	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
3,3-DICHLOROBENZIDINE	91-94-1	DoD SW-846 8270D	mg/kg	1.20	**5.10**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
3,4-METHYLPHENOL	1319-77-3	DoD SW-846 8270D	mg/kg	630	**8200**	7.4 U	0.39 U	0.46 U	1.7 U	0.46 U	0.49 U	0.47 U	0.51 U	0.46 U	0.5 U
3-NITROANILINE	99-09-2	DoD SW-846 8270D	mg/kg	--	--	7.4 U	0.39 U	0.46 U	1.7 U	0.46 U	0.49 U	0.47 U	0.51 U	0.46 U	0.5 U
4,6-DINITRO-2-METHYLPHENOL	534-52-1	DoD SW-846 8270D	mg/kg	0.51	**6.60**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
4-BROMOPHENYL PHENYL ETHER	101-55-3	DoD SW-846 8270D	mg/kg	--	--	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
4-CHLORO-3-METHYLPHENOL	59-50-7	DoD SW-846 8270D	mg/kg	630	**8200**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
4-CHLOROANILINE	106-47-8	DoD SW-846 8270D	mg/kg	2.70	**11**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	DoD SW-846 8270D	mg/kg	--	--	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
4-NITROANILINE	100-01-6	DoD SW-846 8270D	mg/kg	25	**110**	7.4 U	0.39 U	0.46 U	1.7 U	0.46 U	0.49 U	0.47 U	0.51 U	0.46 U	0.5 U
4-NITROPHENOL	100-02-7	DoD SW-846 8270D	mg/kg	--	--	7.4 U	0.39 U	0.46 U	1.7 U	0.46 U	0.49 U	0.47 U	0.51 U	0.46 U	0.5 U
ACETOPHENONE	98-86-2	DoD SW-846 8270D	mg/kg	780	**12000**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
bis(2-CHLOROETHOXY) METHANE	111-91-1	DoD SW-846 8270D	mg/kg	19	**250**	7.4 U	0.39 U	0.46 U	1.7 U	0.46 U	0.49 U	0.47 U	0.51 U	0.46 U	0.5 U
bis(2-CHLOROETHYL) ETHER	111-44-4	DoD SW-846 8270D	mg/kg	0.23	**1**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
bis(2-CHLOROISOPROPYL) ETHER	39638-32-9	DoD SW-846 8270D	mg/kg	--	--	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
bis(2-ETHYLHEXYL) PHTHALATE	117-81-7	DoD SW-846 8270D	mg/kg	39	**160**	7.4 U	0.39 U	0.46 U	3.3 J	0.46 U	0.49 U	0.47 U	0.51 U	0.46 U	0.5 U
BUTYL BENZYL PHTHALATE	85-68-7	DoD SW-846 8270D	mg/kg	290	**1200**	7.4 U	0.39 U	0.46 U	1.7 U	0.46 U	0.49 U	0.47 U	0.51 U	0.46 U	0.5 U
CARBAZOLE (DIBENZOPYRROLE)	86-74-8	DoD SW-846 8270D	mg/kg	--	--	0.22 U	0.012 U	0.014 U	0.05 U	0.014 U	0.015 U	0.014 U	0.015 U	0.014 U	0.015 U
DI-n-BUTYL PHTHALATE	84-74-2	DoD SW-846 8270D	mg/kg	630	**8200**	7.4 U	0.38 J	0.46 U	1.7 U	0.46 U	0.49 U	0.47 J	0.49 J	0.47 J	0.44 J
DI-n-OCTYLPHTHALATE	117-84-0	DoD SW-846 8270D	mg/kg	63	**820**	12 J	0.39 U	0.46 U	1.7 U	0.46 U	0.49 U	0.47 U	0.51 U	0.46 U	0.5 U
DIBENZOFURAN	132-64-9	DoD SW-846 8270D	mg/kg	7.80	**120**	0.22 U	0.012 U	0.014 U	0.05 U	0.014 U	0.015 U	0.014 U	0.015 U	0.014 U	0.015 U
DIETHYL PHTHALATE	84-66-2	DoD SW-846 8270D	mg/kg	5100	**66000**	7.4 U	0.39 U	0.46 U	1.7 U	0.46 U	0.49 U	0.47 U	0.51 U	0.46 U	0.5 U
DIMETHYL PHTHALATE	131-11-3	DoD SW-846 8270D	mg/kg	--	--	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
HEXACHLOROBENZENE	118-74-1	DoD SW-846 8270D	mg/kg	0.078	**0.96**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
HEXACHLOROBUTADIENE	87-68-3	DoD SW-846 8270D	mg/kg	1.20	**5.30**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
HEXACHLOROCYCLOPENTADIENE	77-47-4	DoD SW-846 8270D	mg/kg	0.18	**0.75**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
HEXACHLOROETHANE	67-72-1	DoD SW-846 8270D	mg/kg	1.8	**8**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
ISOPHORONE	78-59-1	DoD SW-846 8270D	mg/kg	570	**2400**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
n-NITROSODI-n-PROPYLAMINE	621-64-7	DoD SW-846 8270D	mg/kg	0.078	**0.33**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
n-NITROSODIPHENYLAMINE	86-30-6	DoD SW-846 8270D	mg/kg	110	**470**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
NITROBENZENE	98-95-3	DoD SW-846 8270D	mg/kg	5.10	**22**	7.4 U	0.39 U	0.46 U	1.7 U	0.46 U	0.49 U	0.47 U	0.51 U	0.46 U	0.5 U
PENTACHLOROPHENOL	87-86-5	DoD SW-846 8270D	mg/kg	1	**4**	3.7 U	0.19 U	0.23 U	0.84 U	0.23 U	0.25 U	0.24 U	0.26 U	0.23 U	0.25 U
PHENOL	108-95-2	DoD SW-846 8270D	mg/kg	1900	**25000**	7.4 U	0.39 U	0.46 U	1.7 U	0.46 U	0.49 U	0.47 U	0.51 U	0.46 U	0.5 U

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units:
mg/kg - micrograms per kilogram

TABLE 4
SOIL SAMPLING ANALYTICAL RESULTS - Soil Boring Samples - Semi-Volatiles
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

Site Name	Bechara Lands DMMA			Lab Sample ID		J2411336003	J2411336004	J2411208003	J2411208004	J2411208005	J2411208006	J2411208007	J2411208008	J2411208013	J2410906003	J2410906004
Site Location	San Juan, PR			Sample Number		SB-6-0-2	SB-6-5-6	SB-7-0-2	SB-7-8-9	SB-8-0-2	SB-8-5-6	SB-9-0-2	SB-9-7-8	SB-10-0-2	SB-11-2-4	SB-11-8
Project Manager	Rick Levin, PG			Date/ Time Sampled		8/1/2024 12:45	8/1/2024 13:15	7/29/2024 11:05	7/29/2024 11:40	7/29/2024 13:15	7/29/2024 13:45	7/30/2024 10:10	7/30/2024 10:40	7/31/2024 9:10	7/23/2024 13:10	7/23/2024 13:25
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	5-6	0-2	8-9	0-2	5-6	0-2	7-8	0-2	2-4	8
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-6**	**SB-6**	**SB-7**	**SB-7**	**SB-8**	**SB-8**	**SB-9**	**SB-9**	**SB-10**	**SB-11**	**SB-11**
2,4,5-TRICHLOROPHENOL	95-95-4	DoD SW-846 8270D	mg/kg	630	**8200**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
2,4,6-TRICHLOROPHENOL	88-06-2	DoD SW-846 8270D	mg/kg	6.30	**82**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
2,4-DICHLOROPHENOL	120-83-2	DoD SW-846 8270D	mg/kg	19	**250**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
2,4-DIMETHYLPHENOL	105-67-9	DoD SW-846 8270D	mg/kg	130	**1600**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
2,4-DINITROPHENOL	51-28-5	DoD SW-846 8270D	mg/kg	13	**160**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
2,4-DINITROTOLUENE	121-14-2	DoD SW-846 8270D	mg/kg	1.70	**7.40**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
2,6-DINITROTOLUENE	606-20-2	DoD SW-846 8270D	mg/kg	0.36	**1.50**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
2-CHLORONAPHTHALENE	91-58-7	DoD SW-846 8270D	mg/kg	480	**6000**	0.47 U	0.54 U	0.47 U	0.54 U	0.5 U	0.68 U	0.46 U	0.51 U	0.48 U	0.38 U	0.42 U
2-CHLOROPHENOL	95-57-8	DoD SW-846 8270D	mg/kg	39	**580**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
2-METHYLPHENOL	95-48-7	DoD SW-846 8270D	mg/kg	320	**4100**	0.47 U	0.54 U	0.47 U	0.54 U	0.5 U	0.68 U	0.46 U	0.51 U	0.48 U	0.38 U	0.42 U
2-NITROANILINE	88-74-4	DoD SW-846 8270D	mg/kg	63	**800**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
2-NITROPHENOL	88-75-5	DoD SW-846 8270D	mg/kg	--	--	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
3,3-DICHLOROBENZIDINE	91-94-1	DoD SW-846 8270D	mg/kg	1.20	**5.10**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
3,4-METHYLPHENOL	1319-77-3	DoD SW-846 8270D	mg/kg	630	**8200**	0.47 U	0.54 U	0.47 U	0.54 U	0.5 U	0.68 U	0.46 U	0.51 U	0.48 U	0.38 U	0.42 U
3-NITROANILINE	99-09-2	DoD SW-846 8270D	mg/kg	--	--	0.47 U	0.54 U	0.47 U	0.54 U	0.5 U	0.68 U	0.46 U	0.51 U	0.48 U	0.38 U	0.42 U
4,6-DINITRO-2-METHYLPHENOL	534-52-1	DoD SW-846 8270D	mg/kg	0.51	**6.60**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
4-BROMOPHENYL PHENYL ETHER	101-55-3	DoD SW-846 8270D	mg/kg	--	--	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
4-CHLORO-3-METHYLPHENOL	59-50-7	DoD SW-846 8270D	mg/kg	630	**8200**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
4-CHLOROANILINE	106-47-8	DoD SW-846 8270D	mg/kg	2.70	**11**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	DoD SW-846 8270D	mg/kg	--	--	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
4-NITROANILINE	100-01-6	DoD SW-846 8270D	mg/kg	25	**110**	0.47 U	0.54 U	0.47 U	0.54 U	0.5 U	0.68 U	0.46 U	0.51 U	0.48 U	0.38 U	0.42 U
4-NITROPHENOL	100-02-7	DoD SW-846 8270D	mg/kg	--	--	0.47 U	0.54 U	0.47 U	0.54 U	0.5 U	0.68 U	0.46 U	0.51 U	0.48 U	0.38 U	0.42 U
ACETOPHENONE	98-86-2	DoD SW-846 8270D	mg/kg	780	**12000**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
bis(2-CHLOROETHOXY) METHANE	111-91-1	DoD SW-846 8270D	mg/kg	19	**250**	0.47 U	0.54 U	0.47 U	0.54 U	0.5 U	0.68 U	0.46 U	0.51 U	0.48 U	0.38 U	0.42 U
bis(2-CHLOROETHYL) ETHER	111-44-4	DoD SW-846 8270D	mg/kg	0.23	**1**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
bis(2-CHLOROISOPROPYL) ETHER	39638-32-9	DoD SW-846 8270D	mg/kg	--	--	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
bis(2-ETHYLHEXYL) PHTHALATE	117-81-7	DoD SW-846 8270D	mg/kg	39	**160**	0.47 U	0.54 U	0.47 U	0.54 U	0.5 U	0.68 U	0.46 U	0.51 U	0.48 U	0.38 U	0.42 U
BUTYL BENZYL PHTHALATE	85-68-7	DoD SW-846 8270D	mg/kg	290	**1200**	0.47 U	0.54 U	0.47 U	0.54 U	0.5 U	0.68 U	0.46 U	0.51 U	0.48 U	0.38 U	0.42 U
CARBAZOLE (DIBENZOPYRROLE)	86-74-8	DoD SW-846 8270D	mg/kg	--	--	0.014 U	0.016 U	0.014 U	0.016 U	0.015 U	0.02 U	0.014 U	0.015 U	0.015 U	0.011 U	0.013 U
DI-n-BUTYL PHTHALATE	84-74-2	DoD SW-846 8270D	mg/kg	630	**8200**	0.47 U	0.54 U	0.47 U	0.42 J	0.42 J	0.55 J	0.37 J	0.52 J	0.56 J	0.38 U	0.42 U
DI-n-OCTYLPHTHALATE	117-84-0	DoD SW-846 8270D	mg/kg	63	**820**	0.47 U	0.54 U	0.47 U	0.54 U	0.5 U	0.68 U	0.46 U	0.51 U	0.48 U	0.38 U	0.42 U
DIBENZOFURAN	132-64-9	DoD SW-846 8270D	mg/kg	7.80	**120**	0.014 U	0.016 U	0.014 U	0.016 U	0.015 U	0.02 U	0.014 U	0.015 U	0.015 U	0.011 U	0.013 U
DIETHYL PHTHALATE	84-66-2	DoD SW-846 8270D	mg/kg	5100	**66000**	0.47 U	0.54 U	0.47 U	0.54 U	0.5 U	0.68 U	0.46 U	0.51 U	0.48 U	0.38 U	0.42 U
DIMETHYL PHTHALATE	131-11-3	DoD SW-846 8270D	mg/kg	--	--	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
HEXACHLOROBENZENE	118-74-1	DoD SW-846 8270D	mg/kg	0.078	**0.96**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
HEXACHLOROBUTADIENE	87-68-3	DoD SW-846 8270D	mg/kg	1.20	**5.30**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
HEXACHLOROCYCLOPENTADIENE	77-47-4	DoD SW-846 8270D	mg/kg	0.18	**0.75**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
HEXACHLOROETHANE	67-72-1	DoD SW-846 8270D	mg/kg	1.8	**8**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
ISOPHORONE	78-59-1	DoD SW-846 8270D	mg/kg	570	**2400**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
n-NITROSODI-n-PROPYLAMINE	621-64-7	DoD SW-846 8270D	mg/kg	0.078	**0.33**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
n-NITROSODIPHENYLAMINE	86-30-6	DoD SW-846 8270D	mg/kg	110	**470**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
NITROBENZENE	98-95-3	DoD SW-846 8270D	mg/kg	5.10	**22**	0.47 U	0.54 U	0.47 U	0.54 U	0.5 U	0.68 U	0.46 U	0.51 U	0.48 U	0.38 U	0.42 U
PENTACHLOROPHENOL	87-86-5	DoD SW-846 8270D	mg/kg	1	**4**	0.23 U	0.27 U	0.24 U	0.27 U	0.25 U	0.34 U	0.23 U	0.25 U	0.24 U	0.19 U	0.21 U
PHENOL	108-95-2	DoD SW-846 8270D	mg/kg	1900	**25000**	0.47 U	0.54 U	0.47 U	0.54 U	0.5 U	0.68 U	0.46 U	0.51 U	0.48 U	0.38 U	0.42 U

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units:
mg/kg - micrograms per kilogram

TABLE 4
SOIL SAMPLING ANALYTICAL RESULTS - Soil Boring Samples - Semi-Volatiles
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

Site Name	Bechara Lands DMMA			Lab Sample ID		J2410906005	J2410906006	J2410906007	J2410906011	J2410906008	J2410906009	J2410906010	J2410906001	J2410906002	J2411211005	J2411211004
Site Location	San Juan, PR			Sample Number		SB-12-0-2	SB-13-0-4	SB-13-6-7	SB-14-0-4	SB-14-6-7	SB-15-0-4	SB-15-8-9	SB-16-1.5-2.5	SB-16-4	SB-17-0-4	SB-17-6-7
Project Manager	Rick Levin, PG			Date/ Time Sampled		7/23/2024 15:55	7/24/2024 10:10	7/24/2024 10:35	7/24/2024 11:45	7/24/2024 12:15	7/24/2024 14:00	7/24/2024 14:45	7/23/2024 9:30	7/23/2024 9:50	7/25/2024 9:30	7/25/2024 9:50
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	0-4	6-7	0-4	6-7	0-4	8-9	1.5-2.5	4	0-4	6-7
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-12**	**SB-13**	**SB-13**	**SB-14**	**SB-14**	**SB-15**	**SB-15**	**SB-16**	**SB-16**	**SB-17**	**SB-17**
2,4,5-TRICHLOROPHENOL	95-95-4	DoD SW-846 8270D	mg/kg	630	**8200**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
2,4,6-TRICHLOROPHENOL	88-06-2	DoD SW-846 8270D	mg/kg	6.30	**82**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
2,4-DICHLOROPHENOL	120-83-2	DoD SW-846 8270D	mg/kg	19	**250**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
2,4-DIMETHYLPHENOL	105-67-9	DoD SW-846 8270D	mg/kg	130	**1600**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
2,4-DINITROPHENOL	51-28-5	DoD SW-846 8270D	mg/kg	13	**160**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
2,4-DINITROTOLUENE	121-14-2	DoD SW-846 8270D	mg/kg	1.70	**7.40**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
2,6-DINITROTOLUENE	606-20-2	DoD SW-846 8270D	mg/kg	0.36	**1.50**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
2-CHLORONAPHTHALENE	91-58-7	DoD SW-846 8270D	mg/kg	480	**6000**	0.51 U	0.36 U	0.42 U	1.6 U	0.45 U	21 U	16 U	1.9 U	0.41 U	7.4 U	1.7 U
2-CHLOROPHENOL	95-57-8	DoD SW-846 8270D	mg/kg	39	**580**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
2-METHYLPHENOL	95-48-7	DoD SW-846 8270D	mg/kg	320	**4100**	0.51 U	0.36 U	0.42 U	1.6 U	0.45 U	21 U	16 U	1.9 U	0.41 U	7.4 U	1.7 U
2-NITROANILINE	88-74-4	DoD SW-846 8270D	mg/kg	63	**800**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
2-NITROPHENOL	88-75-5	DoD SW-846 8270D	mg/kg	--	--	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
3,3-DICHLOROBENZIDINE	91-94-1	DoD SW-846 8270D	mg/kg	1.20	**5.10**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
3,4-METHYLPHENOL	1319-77-3	DoD SW-846 8270D	mg/kg	630	**8200**	0.51 U	0.36 U	0.42 U	1.6 U	0.45 U	21 U	16 U	1.9 U	0.41 U	7.4 U	1.7 U
3-NITROANILINE	99-09-2	DoD SW-846 8270D	mg/kg	--	--	0.51 U	0.36 U	0.42 U	1.6 U	0.45 U	21 U	16 U	1.9 U	0.41 U	7.4 U	1.7 U
4,6-DINITRO-2-METHYLPHENOL	534-52-1	DoD SW-846 8270D	mg/kg	0.51	**6.60**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
4-BROMOPHENYL PHENYL ETHER	101-55-3	DoD SW-846 8270D	mg/kg	--	--	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
4-CHLORO-3-METHYLPHENOL	59-50-7	DoD SW-846 8270D	mg/kg	630	**8200**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
4-CHLOROANILINE	106-47-8	DoD SW-846 8270D	mg/kg	2.70	**11**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	DoD SW-846 8270D	mg/kg	--	--	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
4-NITROANILINE	100-01-6	DoD SW-846 8270D	mg/kg	25	**110**	0.51 U	0.36 U	0.42 U	1.6 U	0.45 U	21 U	16 U	1.9 U	0.41 U	7.4 U	1.7 U
4-NITROPHENOL	100-02-7	DoD SW-846 8270D	mg/kg	--	--	0.51 U	0.36 U	0.42 U	1.6 U	0.45 U	21 U	16 U	1.9 U	0.41 U	7.4 U	1.7 U
ACETOPHENONE	98-86-2	DoD SW-846 8270D	mg/kg	780	**12000**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
bis(2-CHLOROETHOXY) METHANE	111-91-1	DoD SW-846 8270D	mg/kg	19	**250**	0.51 U	0.36 U	0.42 U	1.6 U	0.45 U	21 U	16 U	1.9 U	0.41 U	7.4 U	1.7 U
bis(2-CHLOROETHYL) ETHER	111-44-4	DoD SW-846 8270D	mg/kg	0.23	**1**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
bis(2-CHLOROISOPROPYL) ETHER	39638-32-9	DoD SW-846 8270D	mg/kg	--	--	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
bis(2-ETHYLHEXYL) PHTHALATE	117-81-7	DoD SW-846 8270D	mg/kg	39	**160**	0.51 U	0.36 U	0.42 U	1.6 U	0.45 U	21 U	**73**	1.9 U	0.41 U	7.4 U	1.7 U
BUTYL BENZYL PHTHALATE	85-68-7	DoD SW-846 8270D	mg/kg	290	**1200**	0.51 U	0.36 U	0.42 U	1.6 U	0.45 U	21 U	8.4 J	1.9 U	0.41 U	7.4 U	1.7 U
CARBAZOLE (DIBENZOPYRROLE)	86-74-8	DoD SW-846 8270D	mg/kg	--	--	0.015 U	0.011 U	0.013 U	0.047 U	0.014 U	0.62 U	0.47 U	0.056 U	0.012 U	0.22 U	0.05 U
DI-n-BUTYL PHTHALATE	84-74-2	DoD SW-846 8270D	mg/kg	630	**8200**	0.51 U	0.36 U	0.42 U	1.6 U	0.45 U	21 U	16 U	1.9 U	0.41 U	7.4 U	1.7 U
DI-n-OCTYLPHTHALATE	117-84-0	DoD SW-846 8270D	mg/kg	63	**820**	0.51 U	0.36 U	0.42 U	1.6 U	0.45 U	21 U	16 U	1.9 U	0.41 U	7.4 U	1.7 U
DIBENZOFURAN	132-64-9	DoD SW-846 8270D	mg/kg	7.80	**120**	0.015 U	0.011 U	0.013 U	0.047 U	0.014 U	0.62 U	0.47 U	0.056 U	0.012 U	0.22 U	0.05 U
DIETHYL PHTHALATE	84-66-2	DoD SW-846 8270D	mg/kg	5100	**66000**	0.51 U	0.36 U	0.42 U	1.6 U	0.45 U	21 U	16 U	1.9 U	0.41 U	7.4 U	1.7 U
DIMETHYL PHTHALATE	131-11-3	DoD SW-846 8270D	mg/kg	--	--	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
HEXACHLOROBENZENE	118-74-1	DoD SW-846 8270D	mg/kg	0.078	**0.96**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
HEXACHLOROBUTADIENE	87-68-3	DoD SW-846 8270D	mg/kg	1.20	**5.30**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
HEXACHLOROCYCLOPENTADIENE	77-47-4	DoD SW-846 8270D	mg/kg	0.18	**0.75**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
HEXACHLOROETHANE	67-72-1	DoD SW-846 8270D	mg/kg	1.8	**8**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
ISOPHORONE	78-59-1	DoD SW-846 8270D	mg/kg	570	**2400**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
n-NITROSODI-n-PROPYLAMINE	621-64-7	DoD SW-846 8270D	mg/kg	0.078	**0.33**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
n-NITROSODIPHENYLAMINE	86-30-6	DoD SW-846 8270D	mg/kg	110	**470**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
NITROBENZENE	98-95-3	DoD SW-846 8270D	mg/kg	5.10	**22**	0.51 U	0.36 U	0.42 U	1.6 U	0.45 U	21 U	16 U	1.9 U	0.41 U	7.4 U	1.7 U
PENTACHLOROPHENOL	87-86-5	DoD SW-846 8270D	mg/kg	1	**4**	0.25 U	0.18 U	0.21 U	0.78 U	0.23 U	10 U	7.9 U	0.93 U	0.2 U	3.7 U	0.84 U
PHENOL	108-95-2	DoD SW-846 8270D	mg/kg	1900	**25000**	0.51 U	0.36 U	0.42 U	1.6 U	0.45 U	21 U	16 U	1.9 U	0.41 U	7.4 U	1.7 U

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units:
mg/kg - micrograms per kilogram

TABLE 4
SOIL SAMPLING ANALYTICAL RESULTS - Soil Boring Samples - Semi-Volatiles
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

Site Name	Bechara Lands DMMA			Lab Sample ID		J2411208001	J2411208002	J2411211002	J2411211006	J2411211001
Site Location	San Juan, PR			Sample Number		SB-18-0-2	SB-18-8-9	SB-19-0-2	SB-20-0-4	SB-20-6-7
Project Manager	Rick Levin, PG			Date/ Time Sampled		7/29/2024 9:30	7/29/2024 9:50	7/25/2024 15:00	7/25/2024 11:15	7/25/2024 12:10
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	8-9	0-2	0-4	6-7
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-18**	**SB-18**	**SB-19**	**SB-20**	**SB-20**
2,4,5-TRICHLOROPHENOL	95-95-4	DoD SW-846 8270D	mg/kg	630	**8200**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
2,4,6-TRICHLOROPHENOL	88-06-2	DoD SW-846 8270D	mg/kg	6.30	**82**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
2,4-DICHLOROPHENOL	120-83-2	DoD SW-846 8270D	mg/kg	19	**250**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
2,4-DIMETHYLPHENOL	105-67-9	DoD SW-846 8270D	mg/kg	130	**1600**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
2,4-DINITROPHENOL	51-28-5	DoD SW-846 8270D	mg/kg	13	**160**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
2,4-DINITROTOLUENE	121-14-2	DoD SW-846 8270D	mg/kg	1.70	**7.40**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
2,6-DINITROTOLUENE	606-20-2	DoD SW-846 8270D	mg/kg	0.36	**1.50**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
2-CHLORONAPHTHALENE	91-58-7	DoD SW-846 8270D	mg/kg	480	**6000**	0.43 U	0.39 U	7.4 U	1.5 U	0.38 U
2-CHLOROPHENOL	95-57-8	DoD SW-846 8270D	mg/kg	39	**580**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
2-METHYLPHENOL	95-48-7	DoD SW-846 8270D	mg/kg	320	**4100**	0.43 U	0.39 U	7.4 U	1.5 U	0.38 U
2-NITROANILINE	88-74-4	DoD SW-846 8270D	mg/kg	63	**800**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
2-NITROPHENOL	88-75-5	DoD SW-846 8270D	mg/kg	--	--	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
3,3-DICHLOROBENZIDINE	91-94-1	DoD SW-846 8270D	mg/kg	1.20	**5.10**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
3,4-METHYLPHENOL	1319-77-3	DoD SW-846 8270D	mg/kg	630	**8200**	0.43 U	0.39 U	7.4 U	1.5 U	0.38 U
3-NITROANILINE	99-09-2	DoD SW-846 8270D	mg/kg	--	--	0.43 U	0.39 U	7.4 U	1.5 U	0.38 U
4,6-DINITRO-2-METHYLPHENOL	534-52-1	DoD SW-846 8270D	mg/kg	0.51	**6.60**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
4-BROMOPHENYL PHENYL ETHER	101-55-3	DoD SW-846 8270D	mg/kg	--	--	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
4-CHLORO-3-METHYLPHENOL	59-50-7	DoD SW-846 8270D	mg/kg	630	**8200**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
4-CHLOROANILINE	106-47-8	DoD SW-846 8270D	mg/kg	2.70	**11**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	DoD SW-846 8270D	mg/kg	--	--	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
4-NITROANILINE	100-01-6	DoD SW-846 8270D	mg/kg	25	**110**	0.43 U	0.39 U	7.4 U	1.5 U	0.38 U
4-NITROPHENOL	100-02-7	DoD SW-846 8270D	mg/kg	--	--	0.43 U	0.39 U	7.4 U	1.5 U	0.38 U
ACETOPHENONE	98-86-2	DoD SW-846 8270D	mg/kg	780	**12000**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
bis(2-CHLOROETHOXY) METHANE	111-91-1	DoD SW-846 8270D	mg/kg	19	**250**	0.43 U	0.39 U	7.4 U	1.5 U	0.38 U
bis(2-CHLOROETHYL) ETHER	111-44-4	DoD SW-846 8270D	mg/kg	0.23	**1**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
bis(2-CHLOROISOPROPYL) ETHER	39638-32-9	DoD SW-846 8270D	mg/kg	--	--	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
bis(2-ETHYLHEXYL) PHTHALATE	117-81-7	DoD SW-846 8270D	mg/kg	39	**160**	0.43 U	0.39 U	7.4 U	1.5 U	0.38 U
BUTYL BENZYL PHTHALATE	85-68-7	DoD SW-846 8270D	mg/kg	290	**1200**	0.43 U	0.39 U	7.4 U	1.5 U	0.38 U
CARBAZOLE (DIBENZOPYRROLE)	86-74-8	DoD SW-846 8270D	mg/kg	--	--	0.013 U	0.012 U	0.22 U	0.044 U	0.012 U
DI-n-BUTYL PHTHALATE	84-74-2	DoD SW-846 8270D	mg/kg	630	**8200**	0.43 U	0.2 J	7.4 U	1.5 U	0.3 J
DI-n-OCTYLPHTHALATE	117-84-0	DoD SW-846 8270D	mg/kg	63	**820**	0.43 U	0.39 U	7.4 U	1.5 U	0.38 U
DIBENZOFURAN	132-64-9	DoD SW-846 8270D	mg/kg	7.80	**120**	0.013 U	0.012 U	0.22 U	0.044 U	0.012 U
DIETHYL PHTHALATE	84-66-2	DoD SW-846 8270D	mg/kg	5100	**66000**	0.43 U	0.39 U	7.4 U	1.5 U	0.38 U
DIMETHYL PHTHALATE	131-11-3	DoD SW-846 8270D	mg/kg	--	--	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
HEXACHLOROBENZENE	118-74-1	DoD SW-846 8270D	mg/kg	0.078	**0.96**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
HEXACHLOROBUTADIENE	87-68-3	DoD SW-846 8270D	mg/kg	1.20	**5.30**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
HEXACHLOROCYCLOPENTADIENE	77-47-4	DoD SW-846 8270D	mg/kg	0.18	**0.75**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
HEXACHLOROETHANE	67-72-1	DoD SW-846 8270D	mg/kg	1.8	**8**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
ISOPHORONE	78-59-1	DoD SW-846 8270D	mg/kg	570	**2400**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
n-NITROSODI-n-PROPYLAMINE	621-64-7	DoD SW-846 8270D	mg/kg	0.078	**0.33**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
n-NITROSODIPHENYLAMINE	86-30-6	DoD SW-846 8270D	mg/kg	110	**470**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
NITROBENZENE	98-95-3	DoD SW-846 8270D	mg/kg	5.10	**22**	0.43 U	0.39 U	7.4 U	1.5 U	0.38 U
PENTACHLOROPHENOL	87-86-5	DoD SW-846 8270D	mg/kg	1	**4**	0.22 U	0.19 U	3.7 U	0.74 U	0.19 U
PHENOL	108-95-2	DoD SW-846 8270D	mg/kg	1900	**25000**	0.43 U	0.39 U	7.4 U	1.5 U	0.38 U

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units:
mg/kg - micrograms per kilogram

TABLE 5
SOIL SAMPLING ANALYTICAL RESULTS - Soil Boring Samples - Carcinogenic-PAHs
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

Site Name	Bechara Lands DMMA			Lab Sample ID		J2411211007	J2411211003	J2411336001	J2411336002	J2411208014	J2411208015	J2411208011	J2411208012	J2411208009	J2411208010
Site Location	San Juan, PR			Sample Number		SB-1-0-2	SB-1-7-8	SB-2-0-2	SB-2-7-8	SB-3-0-2	SB-3-6-7	SB-4-0-2	SB-4-4-5	SB-5-0-2	SB-5-6-7
Project Manager	Rick Levin, PG			Date/ Time Sampled		7/25/2024 13:45	7/25/2024 13:55	8/1/2024 11:05	8/1/2024 11:40	7/31/2024 11:15	7/31/2024 11:40	7/30/2024 14:10	7/30/2024 14:35	7/30/2024 11:45	7/30/2024 12:05
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	7-8	0-2	7-8	0-2	6-7	0-2	4-5	0-2	6-7
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-1**	**SB-1**	**SB-2**	**SB-2**	**SB-3**	**SB-3**	**SB-4**	**SB-4**	**SB-5**	**SB-5**
BENZO(a)ANTHRACENE	56-55-3	DoD SW-846 8270D	mg/kg	1.10	**21**	0.22 U	0.012 U	0.014 U	0.05 U	0.014 U	0.0091 J	0.014 U	0.015 U	0.011 J	0.015 U
BENZO(a)PYRENE	50-32-8	DoD SW-846 8270D	mg/kg	0.11	**2.10**	0.35 U	0.019 U	0.022 U	0.081 U	0.022 U	0.024 U	0.023 U	0.025 U	0.011 J	0.024 U
BENZO(b)FLUORANTHENE	205-99-2	DoD SW-846 8270D	mg/kg	1.10	**21**	0.22 U	0.012 U	0.014 U	0.027 J	0.014 U	0.0097 J	0.014 U	0.015 U	0.01 J	0.015 U
BENZO(k)FLUORANTHENE	207-08-9	DoD SW-846 8270D	mg/kg	11	**210**	0.22 U	0.012 U	0.014 U	0.05 U	0.014 U	0.015 U	0.014 U	0.015 U	0.014 U	0.015 U
CHRYSENE	218-01-9	DoD SW-846 8270D	mg/kg	110	**2100**	0.22 U	0.012 U	0.014 U	0.05 U	0.014 U	0.012 J	0.014 U	0.015 U	0.009 J	0.015 U
DIBENZ(a,h)ANTHRACENE	53-70-3	DoD SW-846 8270D	mg/kg	0.11	**2.10**	0.22 U	0.012 U	0.014 U	0.05 U	0.014 U	0.015 U	0.014 U	0.015 U	0.014 U	0.015 U
INDENO(1,2,3-c,d)PYRENE	193-39-5	DoD SW-846 8270D	mg/kg	1.10	**21**	0.22 U	0.012 U	0.014 U	0.05 U	0.014 U	0.015 U	0.014 U	0.015 U	0.014 U	0.015 U
Total Benzo(a)pyrene Equivalents	Total B(a)P	Calculation	mg/kg	--	--	0.32	0.017	0.02	0.073	0.02	0.022	0.021	0.022	0.021	0.022

Site Name	Bechara Lands DMMA			Lab Sample ID		J2411336003	J2411336004	J2411208003	J2411208004	J2411208005	J2411208006	J2411208007	J2411208008	J2411208013	J2410906003	J2410906004
Site Location	San Juan, PR			Sample Number		SB-6-0-2	SB-6-5-6	SB-7-0-2	SB-7-8-9	SB-8-0-2	SB-8-5-6	SB-9-0-2	SB-9-7-8	SB-10-0-2	SB-11-2-4	SB-11-8
Project Manager	Rick Levin, PG			Date/ Time Sampled		8/1/2024 12:45	8/1/2024 13:15	7/29/2024 11:05	7/29/2024 11:40	7/29/2024 13:15	7/29/2024 13:45	7/30/2024 10:10	7/30/2024 10:40	7/31/2024 9:10	7/23/2024 13:10	7/23/2024 13:25
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	5-6	0-2	8-9	0-2	5-6	0-2	7-8	0-2	2-4	8
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-6**	**SB-6**	**SB-7**	**SB-7**	**SB-8**	**SB-8**	**SB-9**	**SB-9**	**SB-10**	**SB-11**	**SB-11**
BENZO(a)ANTHRACENE	56-55-3	DoD SW-846 8270D	mg/kg	1.10	**21**	0.0087 J	0.016 U	0.014 U	0.016 U	0.015 U	0.02 U	0.014 U	0.015 U	0.015 U	0.011 U	0.014 J
BENZO(a)PYRENE	50-32-8	DoD SW-846 8270D	mg/kg	0.11	**2.10**	0.022 U	0.026 U	0.023 U	0.026 U	0.024 U	0.033 U	0.022 U	0.024 U	0.023 U	0.018 U	0.019 J
BENZO(b)FLUORANTHENE	205-99-2	DoD SW-846 8270D	mg/kg	1.10	**21**	0.011 J	0.016 U	0.014 U	0.016 U	0.015 U	0.02 U	0.014 U	0.015 U	0.015 U	0.011 U	0.021 J
BENZO(k)FLUORANTHENE	207-08-9	DoD SW-846 8270D	mg/kg	11	**210**	0.014 U	0.016 U	0.014 U	0.016 U	0.015 U	0.02 U	0.014 U	0.015 U	0.015 U	0.011 U	0.0078 J
CHRYSENE	218-01-9	DoD SW-846 8270D	mg/kg	110	**2100**	0.011 J	0.016 U	0.014 U	0.016 U	0.015 U	0.02 U	0.014 U	0.015 U	0.015 U	0.011 U	0.018 J
DIBENZ(a,h)ANTHRACENE	53-70-3	DoD SW-846 8270D	mg/kg	0.11	**2.10**	0.014 U	0.016 U	0.014 U	0.016 U	0.015 U	0.02 U	0.014 U	0.015 U	0.015 U	0.011 U	0.013 U
INDENO(1,2,3-c,d)PYRENE	193-39-5	DoD SW-846 8270D	mg/kg	1.10	**21**	0.014 U	0.016 U	0.014 U	0.016 U	0.015 U	0.02 U	0.014 U	0.015 U	0.015 U	0.011 U	0.011 J
Total Benzo(a)pyrene Equivalents	Total B(a)P	Calculation	mg/kg	--	--	0.021	0.023	0.021	0.023	0.022	0.03	0.02	0.022	0.021	0.016	0.03

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units:
mg/kg - micrograms per kilogram

TABLE 5
SOIL SAMPLING ANALYTICAL RESULTS - Soil Boring Samples - Carcinogenic-PAHs
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

Site Name	Bechara Lands DMMA			Lab Sample ID		J2410906005	J2410906006	J2410906007	J2410906011	J2410906008	J2410906009	J2410906010	J2410906001	J2410906002	J2411211004	J2411211005
Site Location	San Juan, PR			Sample Number		SB-12-0-2	SB-13-0-4	SB-13-6-7	SB-14-0-4	SB-14-6-7	SB-15-0-4	SB-15-8-9	SB-16-1.5-2.5	SB-16-4	SB-17-6-7	SB-17-0-4
Project Manager	Rick Levin, PG			Date/ Time Sampled		7/23/2024 15:55	7/24/2024 10:10	7/24/2024 10:35	7/24/2024 11:45	7/24/2024 12:15	7/24/2024 14:00	7/24/2024 14:45	7/23/2024 9:30	7/23/2024 9:50	7/25/2024 9:50	7/25/2024 9:30
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	0-4	6-7	0-4	6-7	0-4	8-9	1.5-2.5	4	6-7	0-4
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-12**	**SB-13**	**SB-13**	**SB-14**	**SB-14**	**SB-15**	**SB-15**	**SB-16**	**SB-16**	**SB-17**	**SB-17**
BENZO(a)ANTHRACENE	56-55-3	DoD SW-846 8270D	mg/kg	1.10	**21**	0.015 U	0.011 U	0.13	0.047 U	0.014 U	0.62 U	0.47 U	0.056 U	0.012 U	0.05 U	0.58
BENZO(a)PYRENE	50-32-8	DoD SW-846 8270D	mg/kg	0.11	**2.10**	0.024 U	0.017 U	0.14	0.075 U	0.022 U	0.99 U	0.76 U	0.089 U	0.019 U	0.08 U	0.44 J
BENZO(b)FLUORANTHENE	205-99-2	DoD SW-846 8270D	mg/kg	1.10	**21**	0.015 U	0.011 U	0.19	0.03 J	0.0087 J	0.62 U	0.47 U	0.056 U	0.012 U	0.05 U	0.64
BENZO(k)FLUORANTHENE	207-08-9	DoD SW-846 8270D	mg/kg	11	**210**	0.015 U	0.011 U	0.059	0.047 U	0.014 U	0.62 U	0.47 U	0.056 U	0.012 U	0.05 U	0.24 J
CHRYSENE	218-01-9	DoD SW-846 8270D	mg/kg	110	**2100**	0.015 U	0.011 U	0.14	0.047 U	0.014 U	0.62 U	0.47 U	0.056 U	0.012 U	0.05 U	0.56
DIBENZ(a,h)ANTHRACENE	53-70-3	DoD SW-846 8270D	mg/kg	0.11	**2.10**	0.015 U	0.011 U	0.02 J	0.047 U	0.014 U	0.62 U	0.47 U	0.056 U	0.012 U	0.05 U	0.22 U
INDENO(1,2,3-c,d)PYRENE	193-39-5	DoD SW-846 8270D	mg/kg	1.10	**21**	0.015 U	0.011 U	0.073	0.047 U	0.014 U	0.62 U	0.47 U	0.056 U	0.012 U	0.05 U	0.32 J
Total Benzo(a)pyrene Equivalents	Total B(a)P	Calculation	mg/kg	--	--	0.022	0.016	0.2	0.069	0.02	0.9	0.69	0.081	0.017	0.073	0.71

Site Name	Bechara Lands DMMA			Lab Sample ID		J2411208001	J2411208002	J2411211002	J2411211006	J2411211001
Site Location	San Juan, PR			Sample Number		SB-18-0-2	SB-18-8-9	SB-19-0-2	SB-20-0-4	SB-20-6-7
Project Manager	Rick Levin, PG			Date/ Time Sampled		7/29/2024 9:30	7/29/2024 9:50	7/25/2024 15:00	7/25/2024 11:15	7/25/2024 12:10
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	8-9	0-2	0-4	6-7
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-18**	**SB-18**	**SB-19**	**SB-20**	**SB-20**
BENZO(a)ANTHRACENE	56-55-3	DoD SW-846 8270D	mg/kg	1.10	**21**	0.013 U	0.006 J	0.22 U	0.037 J	0.012 U
BENZO(a)PYRENE	50-32-8	DoD SW-846 8270D	mg/kg	0.11	**2.10**	0.021 U	0.019 U	0.36 U	0.036 J	0.018 U
BENZO(b)FLUORANTHENE	205-99-2	DoD SW-846 8270D	mg/kg	1.10	**21**	0.013 U	0.0083 J	0.22 U	0.044 J	0.012 U
BENZO(k)FLUORANTHENE	207-08-9	DoD SW-846 8270D	mg/kg	11	**210**	0.013 U	0.012 U	0.22 U	0.044 U	0.012 U
CHRYSENE	218-01-9	DoD SW-846 8270D	mg/kg	110	**2100**	0.013 U	0.012 U	0.22 U	0.029 J	0.012 U
DIBENZ(a,h)ANTHRACENE	53-70-3	DoD SW-846 8270D	mg/kg	0.11	**2.10**	0.013 U	0.012 U	0.22 U	0.044 U	0.012 U
INDENO(1,2,3-c,d)PYRENE	193-39-5	DoD SW-846 8270D	mg/kg	1.10	**21**	0.013 U	0.012 U	0.22 U	0.029 J	0.012 U
Total Benzo(a)pyrene Equivalents	Total B(a)P	Calculation	mg/kg	--	--	0.019	0.018	0.32	0.069	0.017

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units:
mg/kg - micrograms per kilogram

TABLE 6
SOIL SAMPLING ANALYTICAL RESULTS - Soil Boring Samples - Non Carcinogenic-PAHs
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

Site Name	Bechara Lands DMMA			Lab Sample ID		J2411211007	J2411211003	J2411336001	J2411336002	J2411208014	J2411208015	J2411208011	J2411208012	J2411208009	J2411208010
Site Location	San Juan, PR			Sample Number		SB-1-0-2	SB-1-7-8	SB-2-0-2	SB-2-7-8	SB-3-0-2	SB-3-6-7	SB-4-0-2	SB-4-4-5	SB-5-0-2	SB-5-6-7
Project Manager	Rick Levin, PG			Date/ Time Sampled		7/25/2024 13:45	7/25/2024 13:55	8/1/2024 11:05	8/1/2024 11:40	7/31/2024 11:15	7/31/2024 11:40	7/30/2024 14:10	7/30/2024 14:35	7/30/2024 11:45	7/30/2024 12:05
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	7-8	0-2	7-8	0-2	6-7	0-2	4-5	0-2	6-7
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-1**	**SB-1**	**SB-2**	**SB-2**	**SB-3**	**SB-3**	**SB-4**	**SB-4**	**SB-5**	**SB-5**
2-METHYLNAPHTHALENE	91-57-6	DoD SW-846 8270D	mg/kg	24	**300**	0.22 U	0.012 U	0.014 U	0.05 U	0.014 U	0.015 U	0.014 U	0.015 U	0.014 U	0.015 U
ACENAPHTHENE	83-32-9	DoD SW-846 8270D	mg/kg	360	**4500**	0.22 U	0.012 U	0.014 U	0.05 U	0.014 U	0.015 U	0.014 U	0.015 U	0.014 U	0.015 U
ACENAPHTHYLENE	208-96-8	DoD SW-846 8270D	mg/kg	--	--	0.22 U	0.012 U	0.014 U	0.05 U	0.014 U	0.015 U	0.014 U	0.015 U	0.023 J	0.015 U
ANTHRACENE	120-12-7	DoD SW-846 8270D	mg/kg	1800	**23000**	0.22 U	0.012 U	0.014 U	0.05 U	0.014 U	0.015 U	0.014 U	0.015 U	0.014 U	0.015 U
BENZO(g,h,i)PERYLENE	191-24-2	DoD SW-846 8270D	mg/kg	--	--	0.22 U	0.012 U	0.014 U	0.028 J	0.014 U	0.015 U	0.014 U	0.015 U	0.008 J	0.015 U
FLUORANTHENE	206-44-0	DoD SW-846 8270D	mg/kg	240	**3000**	0.22 U	0.012 U	0.014 U	0.05 U	0.014 U	0.012 J	0.014 U	0.015 U	0.0093 J	0.015 U
FLUORENE	86-73-7	DoD SW-846 8270D	mg/kg	240	**3000**	0.22 U	0.012 U	0.014 U	0.05 U	0.014 U	0.015 U	0.014 U	0.015 U	0.014 U	0.015 U
NAPHTHALENE	91-20-3	DoD SW-846 8270D	mg/kg	2	**8.60**	0.22 U	0.012 U	0.014 U	0.05 U	0.014 U	0.015 U	0.014 U	0.015 U	0.014 U	0.015 U
PHENANTHRENE	85-01-8	DoD SW-846 8270D	mg/kg	--	--	0.22 U	0.012 U	0.014 U	0.05 U	0.014 U	0.008 J	0.014 U	0.015 U	0.014 U	0.015 U
PYRENE	129-00-0	DoD SW-846 8270D	mg/kg	180	**2300**	0.22 U	0.012 U	0.014 U	0.05 U	0.014 U	0.016 J	0.014 U	0.015 U	0.013 J	0.015 U

Site Name	Bechara Lands DMMA			Lab Sample ID		J2411336003	J2411336004	J2411208003	J2411208004	J2411208005	J2411208006	J2411208007	J2411208008	J2411208013	J2410906003	J2410906004
Site Location	San Juan, PR			Sample Number		SB-6-0-2	SB-6-5-6	SB-7-0-2	SB-7-8-9	SB-8-0-2	SB-8-5-6	SB-9-0-2	SB-9-7-8	SB-10-0-2	SB-11-2-4	SB-11-8
Project Manager	Rick Levin, PG			Date/ Time Sampled		8/1/2024 12:45	8/1/2024 13:15	7/29/2024 11:05	7/29/2024 11:40	7/29/2024 13:15	7/29/2024 13:45	7/30/2024 10:10	7/30/2024 10:40	7/31/2024 9:10	7/23/2024 13:10	7/23/2024 13:25
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	5-6	0-2	8-9	0-2	5-6	0-2	7-8	0-2	2-4	8
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-6**	**SB-6**	**SB-7**	**SB-7**	**SB-8**	**SB-8**	**SB-9**	**SB-9**	**SB-10**	**SB-11**	**SB-11**
2-METHYLNAPHTHALENE	91-57-6	DoD SW-846 8270D	mg/kg	24	**300**	0.014 U	0.016 U	0.014 U	0.016 U	0.015 U	0.02 U	0.014 U	0.015 U	0.015 U	0.011 U	0.013 U
ACENAPHTHENE	83-32-9	DoD SW-846 8270D	mg/kg	360	**4500**	0.014 U	0.016 U	0.014 U	0.016 U	0.015 U	0.02 U	0.014 U	0.015 U	0.015 U	0.011 U	0.013 U
ACENAPHTHYLENE	208-96-8	DoD SW-846 8270D	mg/kg	--	--	0.014 U	0.016 U	0.014 U	0.016 U	0.015 U	0.02 U	0.014 U	0.015 U	0.015 U	0.011 U	0.0069 J
ANTHRACENE	120-12-7	DoD SW-846 8270D	mg/kg	1800	**23000**	0.014 U	0.016 U	0.014 U	0.016 U	0.015 U	0.02 U	0.014 U	0.015 U	0.015 U	0.011 U	0.013 U
BENZO(g,h,i)PERYLENE	191-24-2	DoD SW-846 8270D	mg/kg	--	--	0.0077 J	0.016 U	0.014 U	0.016 U	0.015 U	0.02 U	0.014 U	0.015 U	0.015 U	0.011 U	0.016 J
FLUORANTHENE	206-44-0	DoD SW-846 8270D	mg/kg	240	**3000**	0.011 J	0.016 U	0.014 U	0.016 U	0.015 U	0.02 U	0.014 U	0.015 U	0.015 U	0.011 U	0.031
FLUORENE	86-73-7	DoD SW-846 8270D	mg/kg	240	**3000**	0.014 U	0.016 U	0.014 U	0.016 U	0.015 U	0.02 U	0.014 U	0.015 U	0.015 U	0.011 U	0.013 U
NAPHTHALENE	91-20-3	DoD SW-846 8270D	mg/kg	2	**8.60**	0.014 U	0.016 U	0.014 U	0.016 U	0.015 U	0.02 U	0.014 U	0.015 U	0.015 U	0.011 U	0.013 U
PHENANTHRENE	85-01-8	DoD SW-846 8270D	mg/kg	--	--	0.014 U	0.016 U	0.014 U	0.016 U	0.015 U	0.02 U	0.014 U	0.015 U	0.015 U	0.011 U	0.013 U
PYRENE	129-00-0	DoD SW-846 8270D	mg/kg	180	**2300**	0.012 J	0.016 U	0.014 U	0.016 U	0.015 U	0.02 U	0.014 U	0.015 U	0.015 U	0.011 U	0.036

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units:
mg/kg - micrograms per kilogram

TABLE 6
SOIL SAMPLING ANALYTICAL RESULTS - Soil Boring Samples - Non Carcinogenic-PAHs
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

Site Name	Bechara Lands DMMA			Lab Sample ID		J2410906005	J2410906006	J2410906007	J2410906011	J2410906008	J2410906009	J2410906010	J2410906001	J2410906002	J2411211004	J2411211005
Site Location	San Juan, PR			Sample Number		SB-12-0-2	SB-13-0-4	SB-13-6-7	SB-14-0-4	SB-14-6-7	SB-15-0-4	SB-15-8-9	SB-16-1.5-2.5	SB-16-4	SB-17-6-7	SB-17-0-4
Project Manager	Rick Levin, PG			Date/ Time Sampled		7/23/2024 15:55	7/24/2024 10:10	7/24/2024 10:35	7/24/2024 11:45	7/24/2024 12:15	7/24/2024 14:00	7/24/2024 14:45	7/23/2024 9:30	7/23/2024 9:50	7/25/2024 9:50	7/25/2024 9:30
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	0-4	6-7	0-4	6-7	0-4	8-9	1.5-2.5	4	6-7	0-4
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-12**	**SB-13**	**SB-13**	**SB-14**	**SB-14**	**SB-15**	**SB-15**	**SB-16**	**SB-16**	**SB-17**	**SB-17**
2-METHYLNAPHTHALENE	91-57-6	DoD SW-846 8270D	mg/kg	24	**300**	0.015 U	0.011 U	0.013 U	0.047 U	0.014 U	0.62 U	0.47 U	0.056 U	0.012 U	0.05 U	0.22 U
ACENAPHTHENE	83-32-9	DoD SW-846 8270D	mg/kg	360	**4500**	0.015 U	0.011 U	0.013 U	0.047 U	0.014 U	0.62 U	0.47 U	0.056 U	0.012 U	0.05 U	0.22 U
ACENAPHTHYLENE	208-96-8	DoD SW-846 8270D	mg/kg	--	--	0.015 U	0.011 U	0.012 J	0.047 U	0.014 U	0.62 U	0.47 U	0.056 U	0.012 U	0.05 U	0.22 U
ANTHRACENE	120-12-7	DoD SW-846 8270D	mg/kg	1800	**23000**	0.015 U	0.011 U	0.0063 J	0.047 U	0.014 U	0.62 U	0.47 U	0.056 U	0.012 U	0.05 U	0.22 U
BENZO(g,h,i)PERYLENE	191-24-2	DoD SW-846 8270D	mg/kg	--	--	0.015 U	0.011 U	0.071	0.047 U	0.014 U	0.62 U	0.47 U	0.056 U	0.012 U	0.05 U	0.34 J
FLUORANTHENE	206-44-0	DoD SW-846 8270D	mg/kg	240	**3000**	0.015 U	0.011 U	0.15	0.047 U	0.0078 J	0.62 U	0.47 U	0.056 U	0.012 U	0.05 U	0.86
FLUORENE	86-73-7	DoD SW-846 8270D	mg/kg	240	**3000**	0.015 U	0.011 U	0.013 U	0.047 U	0.014 U	0.62 U	0.47 U	0.056 U	0.012 U	0.05 U	0.22 U
NAPHTHALENE	91-20-3	DoD SW-846 8270D	mg/kg	2	**8.60**	0.015 U	0.011 U	0.013 U	0.047 U	0.014 U	0.62 U	0.47 U	0.056 U	0.012 U	0.05 U	0.22 U
PHENANTHRENE	85-01-8	DoD SW-846 8270D	mg/kg	--	--	0.015 U	0.011 U	0.025	0.047 U	0.014 U	0.62 U	0.47 U	0.056 U	0.012 U	0.05 U	0.19 J
PYRENE	129-00-0	DoD SW-846 8270D	mg/kg	180	**2300**	0.015 U	0.011 U	0.18	0.026 J	0.0074 J	0.62 U	0.47 U	0.056 U	0.012 U	0.05 U	0.65

Site Name	Bechara Lands DMMA			Lab Sample ID		J2411208001	J2411208002	J2411211002	J2411211006	J2411211001
Site Location	San Juan, PR			Sample Number		SB-18-0-2	SB-18-8-9	SB-19-0-2	SB-20-0-4	SB-20-6-7
Project Manager	Rick Levin, PG			Date/ Time Sampled		7/29/2024 9:30	7/29/2024 9:50	7/25/2024 15:00	7/25/2024 11:15	7/25/2024 12:10
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	8-9	0-2	0-4	6-7
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-18**	**SB-18**	**SB-19**	**SB-20**	**SB-20**
2-METHYLNAPHTHALENE	91-57-6	DoD SW-846 8270D	mg/kg	24	**300**	0.013 U	0.012 U	0.22 U	0.044 U	0.012 U
ACENAPHTHENE	83-32-9	DoD SW-846 8270D	mg/kg	360	**4500**	0.013 U	0.012 U	0.22 U	0.044 U	0.012 U
ACENAPHTHYLENE	208-96-8	DoD SW-846 8270D	mg/kg	--	--	0.013 U	0.012 U	0.22 U	0.044 U	0.012 U
ANTHRACENE	120-12-7	DoD SW-846 8270D	mg/kg	1800	**23000**	0.013 U	0.012 U	0.22 U	0.044 U	0.012 U
BENZO(g,h,i)PERYLENE	191-24-2	DoD SW-846 8270D	mg/kg	--	--	0.013 U	0.0074 J	0.22 U	0.031 J	0.012 U
FLUORANTHENE	206-44-0	DoD SW-846 8270D	mg/kg	240	**3000**	0.013 U	0.0096 J	0.22 U	0.065 J	0.012 U
FLUORENE	86-73-7	DoD SW-846 8270D	mg/kg	240	**3000**	0.013 U	0.012 U	0.22 U	0.044 U	0.012 U
NAPHTHALENE	91-20-3	DoD SW-846 8270D	mg/kg	2	**8.60**	0.013 U	0.012 U	0.22 U	0.044 U	0.012 U
PHENANTHRENE	85-01-8	DoD SW-846 8270D	mg/kg	--	--	0.013 U	0.012 U	0.22 U	0.05 J	0.012 U
PYRENE	129-00-0	DoD SW-846 8270D	mg/kg	180	**2300**	0.013 U	0.0082 J	0.22 U	0.051 J	0.012 U

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units:
mg/kg - micrograms per kilogram

TABLE 7
SOIL SAMPLING ANALYTICAL RESULTS - Soil Boring Samples - Metals
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

Site Name	Bechara Lands DMMA			Lab Sample ID		J2411211007	J2411211003	J2411336001	J2411336002	J2411208014	J2411208015	J2411208011	J2411208012	J2411208009	J2411208010
Site Location	San Juan, PR			Sample Number		SB-1-0-2	SB-1-7-8	SB-2-0-2	SB-2-7-8	SB-3-0-2	SB-3-6-7	SB-4-0-2	SB-4-4-5	SB-5-0-2	SB-5-6-7
Project Manager	Rick Levin, PG			Date/ Time Sampled		7/25/2024 13:45	7/25/2024 13:55	8/1/2024 11:05	8/1/2024 11:40	7/31/2024 11:15	7/31/2024 11:40	7/30/2024 14:10	7/30/2024 14:35	7/30/2024 11:45	7/30/2024 12:05
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	7-8	0-2	7-8	0-2	6-7	0-2	4-5	0-2	6-7
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-1**	**SB-1**	**SB-2**	**SB-2**	**SB-3**	**SB-3**	**SB-4**	**SB-4**	**SB-5**	**SB-5**
ANTIMONY	7440-36-0	DoD SW-846 6010C	mg/kg	3.10	**47**	1.1 U	1.1 U	1.4 U	1.2 U	1.4 U	1.5 U	1.4 U	1.5 U	1.4 U	1.4 U
ARSENIC	7440-38-2	DoD SW-846 6010C	mg/kg	0.68	**3**	9.1	1.1 U	**3.3**	1.2 U	**7.3**	**4.3**	**6.8**	2.5 J	**7.1**	**3.2**
BARIUM	7440-39-3	DoD SW-846 6010C	mg/kg	1500	**22000**	140	160	NA	NA	39	30	33	19	34	19
BERYLLIUM	7440-41-7	DoD SW-846 6010C	mg/kg	16	**230**	0.21 U	0.23 U	0.41 J	0.24 U	0.27 U	0.29 U	0.27 U	0.3 U	0.28 U	0.29 U
CADMIUM	7440-43-9	DoD SW-846 6010C	mg/kg	0.71	**10**	0.9	0.16 J	0.49	2.7	0.57	0.26 J	0.49	0.43	0.39	0.37
CHROMIUM	7440-47-3	DoD SW-846 6010C	mg/kg	--	--	16	16	46	26	54	31	50	38	44	39
COPPER	7440-50-8	DoD SW-846 6010C	mg/kg	310	**4700**	620	36	52	130	61	47	58	53	48	56
LEAD	7439-92-1	DoD SW-846 6010C	mg/kg	200	**800**	280	1.1 U	1.4 U	290	0.87 J	2.4 J	1.4 U	1.5 U	3.6	1.4 U
MERCURY	7439-97-6	DoD SW-846 7471A	mg/kg	1.10	**4.60**	0.32	0.02	0.041	1.4	0.24	0.13	0.27	0.088	0.15	0.079
NICKEL	7440-02-0	DoD SW-846 6010C	mg/kg	140	**1700**	22	7.7	13	22	20	16	20	16	18	18
SELENIUM	7782-49-2	DoD SW-846 6010C	mg/kg	39	**580**	2.1 U	2.3 U	2.8 U	2.4 U	2.7 U	2.9 U	2.7 U	3 U	2.8 U	2.9 U
SILVER	7440-22-4	DoD SW-846 6010C	mg/kg	39	**580**	0.67 J	0.35 J	0.33 J	2.6	0.75 J	0.79 J	0.65 J	0.4 J	0.84 J	0.37 J
THALLIUM	7440-28-0	DoD SW-846 6020A	mg/kg	0.08	**1.20**	0.12 U	0.062 J	0.12 J	0.12 U	0.11 J	0.085 J	0.097 J	0.11 J	0.13 J	0.12 J
ZINC	7440-66-6	DoD SW-846 6010C	mg/kg	2300	**35000**	310	46	66	560	85	76	82	71	73	75

Site Name	Bechara Lands DMMA			Lab Sample ID		J2411336003	J2411336004	J2411208003	J2411208004	J2411208005	J2411208006	J2411208007	J2411208008	J2411208013	J2410906003	J2410906004
Site Location	San Juan, PR			Sample Number		SB-6-0-2	SB-6-5-6	SB-7-0-2	SB-7-8-9	SB-8-0-2	SB-8-5-6	SB-9-0-2	SB-9-7-8	SB-10-0-2	SB-11-2-4	SB-11-8
Project Manager	Rick Levin, PG			Date/ Time Sampled		8/1/2024 12:45	8/1/2024 13:15	7/29/2024 11:05	7/29/2024 11:40	7/29/2024 13:15	7/29/2024 13:45	7/30/2024 10:10	7/30/2024 10:40	7/31/2024 9:10	7/23/2024 13:10	7/23/2024 13:25
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	5-6	0-2	8-9	0-2	5-6	0-2	7-8	0-2	2-4	8
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-6**	**SB-6**	**SB-7**	**SB-7**	**SB-8**	**SB-8**	**SB-9**	**SB-9**	**SB-10**	**SB-11**	**SB-11**
ANTIMONY	7440-36-0	DoD SW-846 6010C	mg/kg	3.10	**47**	1.4 U	1.6 U	1.4 U	1.5 U	1.6 U	2.1 U	1.4 U	1.5 U	1.5 U	1.1 U	1.3 U
ARSENIC	7440-38-2	DoD SW-846 6010C	mg/kg	0.68	**3**	**5.2**	1.2 J	**7.9**	1.5 U	2.6 J	2.1 U	**6.9**	1.5 U	**12**	1.1 U	1.3 U
BARIUM	7440-39-3	DoD SW-846 6010C	mg/kg	1500	**22000**	NA	NA	38	20	26	29	33	28	55	75	120
BERYLLIUM	7440-41-7	DoD SW-846 6010C	mg/kg	16	**230**	0.28 U	0.31 U	0.28 U	0.31 U	0.31 U	0.41 U	0.28 U	0.29 U	0.29 U	0.22 U	0.25 U
CADMIUM	7440-43-9	DoD SW-846 6010C	mg/kg	0.71	**10**	0.71	0.35	0.22 J	0.16 J	0.16 J	0.16 J	0.22 J	0.11 J	0.74	0.11 U	0.38
CHROMIUM	7440-47-3	DoD SW-846 6010C	mg/kg	--	--	50	30	40	38	42	38	39	36	55	17	23
COPPER	7440-50-8	DoD SW-846 6010C	mg/kg	310	**4700**	57	44	47	44	46	54	43	45	63	57	62
LEAD	7439-92-1	DoD SW-846 6010C	mg/kg	200	**800**	9.4	1.6 U	4.2	2.9 J	1.6 U	2.1 U	3	1.5 U	2.9 J	1.1 U	49
MERCURY	7439-97-6	DoD SW-846 7471A	mg/kg	1.10	**4.60**	0.2	0.13	0.16	0.093	0.55	0.1	0.15	0.09	0.3	0.035	0.28
NICKEL	7440-02-0	DoD SW-846 6010C	mg/kg	140	**1700**	19	14	16	16	17	18	16	15	22	4.4	11
SELENIUM	7782-49-2	DoD SW-846 6010C	mg/kg	39	**580**	2.8 U	3.1 U	2.8 U	3.1 U	3.1 U	4.1 U	2.8 U	2.9 U	2.9 U	2.2 U	2.5 U
SILVER	7440-22-4	DoD SW-846 6010C	mg/kg	39	**580**	1.3	0.5 J	0.72 J	0.48 J	0.62 J	0.56 J	0.66 J	0.54 J	0.85 J	0.44 U	0.27 J
THALLIUM	7440-28-0	DoD SW-846 6020A	mg/kg	0.08	**1.20**	0.14 J	0.12 J	0.13 J	0.19 J	0.12 J	3.7	0.13 J	0.11 J	0.13 J	0.26	0.12 U
ZINC	7440-66-6	DoD SW-846 6010C	mg/kg	2300	**35000**	89	61 J	68	74	63	77 J	63	69	95	48	140

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units:
mg/kg - micrograms per kilogram

TABLE 7
SOIL SAMPLING ANALYTICAL RESULTS - Soil Boring Samples - Metals
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

Site Name	Bechara Lands DMMA			Lab Sample ID		J2410906005	J2410906006	J2410906007	J2410906011	J2410906008	J2410906009	J2410906010	J2410906001	J2410906002	J2411211004	J2411211005
Site Location	San Juan, PR			Sample Number		SB-12-0-2	SB-13-0-4	SB-13-6-7	SB-14-0-4	SB-14-6-7	SB-15-0-4	SB-15-8-9	SB-16-1.5-2.5	SB-16-4	SB-17-6-7	SB-17-0-4
Project Manager	Rick Levin, PG			Date/ Time Sampled		7/23/2024 15:55	7/24/2024 10:10	7/24/2024 10:35	7/24/2024 11:45	7/24/2024 12:15	7/24/2024 14:00	7/24/2024 14:45	7/23/2024 9:30	7/23/2024 9:50	7/25/2024 9:50	7/25/2024 9:30
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	0-4	6-7	0-4	6-7	0-4	8-9	1.5-2.5	4	6-7	0-4
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-12**	**SB-13**	**SB-13**	**SB-14**	**SB-14**	**SB-15**	**SB-15**	**SB-16**	**SB-16**	**SB-17**	**SB-17**
ANTIMONY	7440-36-0	DoD SW-846 6010C	mg/kg	3.10	**47**	1.6 U	1 U	1.3 U	1.2 J	1.3 U	1.3 U	1.1 U	1.4 U	1.3 U	1.2 U	1.1 U
ARSENIC	7440-38-2	DoD SW-846 6010C	mg/kg	0.68	**3**	1.6 U	1 U	2.1 J	**17**	**4.7**	1.3 U	1.4 J	1.4 U	**3.6**	1.2 U	2.6
BARIUM	7440-39-3	DoD SW-846 6010C	mg/kg	1500	**22000**	61	68	34	150	43	86	150	56	10	170	77
BERYLLIUM	7440-41-7	DoD SW-846 6010C	mg/kg	16	**230**	0.32 U	0.2 U	0.26 U	0.24 U	0.26 U	0.25 U	0.22 U	0.17 J	0.25 U	0.24 U	0.23 U
CADMIUM	7440-43-9	DoD SW-846 6010C	mg/kg	0.71	**10**	0.26 J	0.12 J	0.17 J	2.1	0.34	1.4	1.2	0.14 U	0.13 U	0.14 J	1.1
CHROMIUM	7440-47-3	DoD SW-846 6010C	mg/kg	--	--	56	13	33	61	50	21	42	21	8.4	15	20
COPPER	7440-50-8	DoD SW-846 6010C	mg/kg	310	**4700**	62	41	38	90	55	110	360	23	8	30	130
LEAD	7439-92-1	DoD SW-846 6010C	mg/kg	200	**800**	8.9	37	3.5	310	2.5 J	61	20	1.4 U	1.3 U	1.2 U	100
MERCURY	7439-97-6	DoD SW-846 7471A	mg/kg	1.10	**4.60**	0.26	0.1	0.13	0.61	0.19	0.12	0.49	0.1	0.014	0.011	0.48
NICKEL	7440-02-0	DoD SW-846 6010C	mg/kg	140	**1700**	19	7	13	15	18	20	140	6.5	3.3	9.1	14
SELENIUM	7782-49-2	DoD SW-846 6010C	mg/kg	39	**580**	3.2 U	2 U	2.6 U	2.4 U	2.6 U	2.5 U	2.2 U	2.8 U	2.5 U	2.4 U	2.3 U
SILVER	7440-22-4	DoD SW-846 6010C	mg/kg	39	**580**	0.5 J	0.21 J	0.29 J	0.71 J	0.53 U	0.36 J	0.45 U	0.55 U	0.51 U	0.34 J	0.99
THALLIUM	7440-28-0	DoD SW-846 6020A	mg/kg	0.08	**1.20**	0.13 J	0.12 J	0.11 J	0.12 U	0.13 J	0.11 U	0.11 U	0.22 J	0.12 U	0.12 U	0.1 U
ZINC	7440-66-6	DoD SW-846 6010C	mg/kg	2300	**35000**	92	89	62	400	84	620	1300	39 J	25 U	40 J	240

Site Name	Bechara Lands DMMA			Lab Sample ID		J2411208001	J2411208002	J2411211002	J2411211006	J2411211001
Site Location	San Juan, PR			Sample Number		SB-18-0-2	SB-18-8-9	SB-19-0-2	SB-20-0-4	SB-20-6-7
Project Manager	Rick Levin, PG			Date/ Time Sampled		7/29/2024 9:30	7/29/2024 9:50	7/25/2024 15:00	7/25/2024 11:15	7/25/2024 12:10
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	8-9	0-2	0-4	6-7
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-18**	**SB-18**	**SB-19**	**SB-20**	**SB-20**
ANTIMONY	7440-36-0	DoD SW-846 6010C	mg/kg	3.10	**47**	1.3 U	1.2 U	1.1 U	1.1 U	3
ARSENIC	7440-38-2	DoD SW-846 6010C	mg/kg	0.68	**3**	1.3 U	**3.1**	1.1 U	3.2	**16**
BARIUM	7440-39-3	DoD SW-846 6010C	mg/kg	1500	**22000**	84	210	22	62	470
BERYLLIUM	7440-41-7	DoD SW-846 6010C	mg/kg	16	**230**	0.26 U	0.24 U	0.22 U	0.22 U	0.23 U
CADMIUM	7440-43-9	DoD SW-846 6010C	mg/kg	0.71	**10**	0.55	1.7	0.14 J	0.93	8.9
CHROMIUM	7440-47-3	DoD SW-846 6010C	mg/kg	--	--	28	37	17	19	66
COPPER	7440-50-8	DoD SW-846 6010C	mg/kg	310	**4700**	180	330	24	97	530
LEAD	7439-92-1	DoD SW-846 6010C	mg/kg	200	**800**	130	300	41	82	**1400**
MERCURY	7439-97-6	DoD SW-846 7471A	mg/kg	1.10	**4.60**	0.19	1.1	0.21	0.21	0.14
NICKEL	7440-02-0	DoD SW-846 6010C	mg/kg	140	**1700**	8.2	20	5.3	15	71
SELENIUM	7782-49-2	DoD SW-846 6010C	mg/kg	39	**580**	2.6 U	2.4 U	2.2 U	2.2 U	2.3 U
SILVER	7440-22-4	DoD SW-846 6010C	mg/kg	39	**580**	0.6 J	1.3	0.35 J	0.9	4.9
THALLIUM	7440-28-0	DoD SW-846 6020A	mg/kg	0.08	**1.20**	0.12 U	0.13 U	0.11 U	0.12 U	0.12 U
ZINC	7440-66-6	DoD SW-846 6010C	mg/kg	2300	**35000**	380	1000	65	2700	1900

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units:
mg/kg - micrograms per kilogram

TABLE 8
SOIL SAMPLING ANALYTICAL RESULTS - Soil Boring Samples - Pesticides, Herbicides, PCBs
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

Site Name	Bechara Lands DMMA			Lab Sample ID		J2411211007	J2411211003	J2411336001	J2411336002	J2411208014	J2411208015	J2411208011	J2411208012	J2411208009	J2411208010
Site Location	San Juan, PR			Sample Number		SB-1-0-2	SB-1-7-8	SB-2-0-2	SB-2-7-8	SB-3-0-2	SB-3-6-7	SB-4-0-2	SB-4-4-5	SB-5-0-2	SB-5-6-7
Project Manager	Rick Levin, PG			Date/ Time Sampled		7/25/2024 13:45	7/25/2024 13:55	8/1/2024 11:05	8/1/2024 11:40	7/31/2024 11:15	7/31/2024 11:40	7/30/2024 14:10	7/30/2024 14:35	7/30/2024 11:45	7/30/2024 12:05
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	7-8	0-2	7-8	0-2	6-7	0-2	4-5	0-2	6-7
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-1**	**SB-1**	**SB-2**	**SB-2**	**SB-3**	**SB-3**	**SB-4**	**SB-4**	**SB-5**	**SB-5**
ALDRIN	309-00-2	DOD SW-846 8081B	mg/kg	0.039	**0.18**	0.0088 U	0.0095 U	0.002 U	0.02 U	0.011 U	0.024 U	0.012 U	0.25 U	0.022 U	0.25 U
alpha-BHC	319-84-6	DOD SW-846 8081B	mg/kg	0.086	**0.36**	0.0088 U	0.0095 U	0.002 U	0.02 U	0.011 U	0.024 U	0.012 U	0.25 U	0.022 U	0.25 U
alpha-CHLORDANE	5103-71-9	DOD SW-846 8081B	mg/kg	3.60	**50**	0.018 U	0.019 U	0.004 U	0.039 U	0.021 U	0.048 U	0.023 U	0.5 U	0.043 U	0.49 U
ATRAZINE	1912-24-9	DoD SW-846 8141B	mg/kg	2.40	**10**	0.18 U	0.038 U	0.04 U	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
ATRAZINE	1912-24-9	DoD SW-846 8270D	mg/kg	2.40	**10**	7.4 U	0.39 U	0.46 U	1.7 U	0.46 U	0.49 U	0.47 U	0.51 U	0.46 U	0.5 U
AZINPHOS-METHYL	86-50-0	DoD SW-846 8141B	mg/kg	19	**250**	0.18 U	0.038 U	0.04 U	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
beta-BHC	319-85-7	DOD SW-846 8081B	mg/kg	0.30	**1.30**	0.0088 U	0.0095 U	0.002 U	0.02 U	0.011 U	0.024 U	0.012 U	0.25 U	0.022 U	0.25 U
CHLORDANE	57-74-9	DOD SW-846 8081B	mg/kg	--	--	0.16 U	0.17 U	0.036 U	0.35 U	0.19 U	0.43 U	0.21 U	4.5 U	0.39 U	4.4 U
CHLORPYRIFOS	2921-88-2	DoD SW-846 8141B	mg/kg	6.30	**82**	0.18 U	0.038 U	0.04 U	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
CHLORPYRIFOS-METHYL	5598-13-0	DoD SW-846 8141B	mg/kg	63	**820**	0.18 U	0.038 U	0.04 U	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
delta-BHC	319-86-8	DOD SW-846 8081B	mg/kg	--	--	0.0088 U	0.0095 U	0.002 U	0.02 U	0.011 U	0.024 U	0.012 U	0.25 U	0.022 U	0.25 U
DEMETON	8065-48-3	DoD SW-846 8141B	mg/kg	0.25	**3.30**	0.18 U	0.038 U	0.056 J	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
DIAZINON	333-41-5	DoD SW-846 8141B	mg/kg	4.40	**57**	0.18 U	0.038 U	0.04 U	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
DIELDRIN	60-57-1	DOD SW-846 8081B	mg/kg	0.03	**0.14**	0.0088 U	0.0095 U	0.002 U	0.02 U	0.011 U	0.024 U	0.012 U	0.25 U	0.022 U	0.25 U
DIMETHOATE	60-51-5	DoD SW-846 8141B	mg/kg	14	**180**	0.18 U	0.038 U	0.04 U	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
DISULFOTON	298-04-4	DoD SW-846 8141B	mg/kg	0.25	**3.30**	0.18 U	0.038 U	0.04 U	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
ENDOSULFAN I	959-98-8	DOD SW-846 8081B	mg/kg	--	--	0.0088 U	0.0095 U	0.002 U	0.02 U	0.011 U	0.024 U	0.012 U	0.25 U	0.022 U	0.25 U
ENDOSULFAN II	33213-65-9	DOD SW-846 8081B	mg/kg	--	--	0.0088 U	0.0095 U	0.002 U	0.02 U	0.011 U	0.024 U	0.012 U	0.25 U	0.022 U	0.25 U
ENDOSULFAN SULFATE	1031-07-8	DOD SW-846 8081B	mg/kg	38	**490**	0.0088 U	0.0095 U	0.002 U	0.02 U	0.011 U	0.024 U	0.012 U	0.25 U	0.022 U	0.25 U
ENDRIN	72-20-8	DOD SW-846 8081B	mg/kg	1.90	**25**	0.018 U	0.019 U	0.004 U	0.039 U	0.021 U	0.048 U	0.023 U	0.5 U	0.043 U	0.49 U
ENDRIN ALDEHYDE	7421-93-4	DOD SW-846 8081B	mg/kg	--	--	0.0088 U	0.0095 U	0.002 U	0.02 U	0.011 U	0.024 U	0.012 U	0.25 U	0.022 U	0.25 U
ENDRIN KETONE	53494-70-5	DOD SW-846 8081B	mg/kg	--	--	0.0088 U	0.0095 U	0.002 U	0.02 U	0.011 U	0.024 U	0.012 U	0.25 U	0.022 U	0.25 U
ETHION	563-12-2	DoD SW-846 8141B	mg/kg	3.20	**41**	0.18 U	0.038 U	0.04 U	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
ETHOPROP	13194-48-4	DoD SW-846 8141B	mg/kg	--	--	0.18 U	0.038 U	0.04 U	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
FAMPHUR	52-85-7	DoD SW-846 8141B	mg/kg	--	--	0.18 U	0.038 U	0.04 U	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
FENSULFOTHION	115-90-2	DoD SW-846 8141B	mg/kg	--	--	0.18 U	0.038 U	0.04 U	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
FONOPHOS	944-22-9	DoD SW-846 8141B	mg/kg	13	**160**	0.18 U	0.038 U	0.04 U	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
gamma-BHC (LINDANE)	58-89-9	DOD SW-846 8081B	mg/kg	0.57	**2.50**	0.0088 U	0.0095 U	0.002 U	0.02 U	0.011 U	0.024 U	0.012 U	0.25 U	0.022 U	0.25 U
gamma-CHLORDANE	5103-74-2	DOD SW-846 8081B	mg/kg	3.60	**50**	0.018 U	0.019 U	0.004 U	0.039 U	0.021 U	0.048 U	0.023 U	0.5 U	0.043 U	0.49 U
HEPTACHLOR	76-44-8	DOD SW-846 8081B	mg/kg	0.13	**0.63**	0.0088 U	0.0095 U	0.002 U	0.02 U	0.011 U	0.024 U	0.012 U	0.25 U	0.022 U	0.25 U
HEPTACHLOR EPOXIDE	1024-57-3	DOD SW-846 8081B	mg/kg	0.07	**0.33**	0.0088 U	0.0095 U	0.002 U	0.02 U	0.011 U	0.024 U	0.012 U	0.25 U	0.022 U	0.25 U
MALATHION	121-75-5	DoD SW-846 8141B	mg/kg	130	**1600**	0.18 U	0.038 U	0.04 U	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
MERPHOS	150-50-5	DoD SW-846 8141B	mg/kg	0.23	**3.50**	0.18 U	0.038 U	0.04 U	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
METHOXYCHLOR	72-43-5	DOD SW-846 8081B	mg/kg	32	**410**	0.0088 U	0.0095 U	0.002 U	0.098 U	0.011 U	0.12 U	0.058 U	0.25 U	0.11 U	0.25 U
MEVINPHOS	7786-34-7	DoD SW-846 8141B	mg/kg	--	--	0.18 U	0.038 U	0.04 U	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
p,p-DDD	72-54-8	DOD SW-846 8081B	mg/kg	2.30	**9.60**	0.0088 U	0.0095 U	0.002 U	0.02 U	0.011 U	0.024 U	0.012 U	0.25 U	0.022 U	0.25 U
p,p-DDE	72-55-9	DOD SW-846 8081B	mg/kg	2.00	**9.30**	0.0088 U	0.0095 U	0.002 U	0.028 J	0.011 U	0.024 U	0.012 U	0.25 U	0.022 U	0.25 U
p,p-DDT	50-29-3	DOD SW-846 8081B	mg/kg	1.90	**8.50**	0.088 U	0.095 U	0.004 U	0.2 U	0.021 U	0.24 U	0.12 U	0.5 U	0.22 U	0.49 U
PARATHION, ETHYL	56-38-2	DoD SW-846 8141B	mg/kg	38	**490**	0.18 U	0.038 U	0.04 U	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
PARATHION, METHYL	298-00-0	DoD SW-846 8141B	mg/kg	1.60	**21**	0.18 U	0.038 U	0.04 U	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
PCB-1016	12674-11-2	DoD SW-846 8082A	mg/kg	0.41	**5.10**	0.26 U	0.28 U	0.06 U	0.59 U	0.32 U	0.71 U	0.35 U	7.4 U	0.65 U	7.4 U
PCB-1221	11104-28-2	DoD SW-846 8082A	mg/kg	0.20	**0.83**	0.26 U	0.28 U	0.06 U	0.59 U	0.32 U	0.71 U	0.35 U	7.4 U	0.65 U	7.4 U
PCB-1232	11141-16-5	DoD SW-846 8082A	mg/kg	0.17	**0.72**	0.26 U	0.28 U	0.06 U	0.59 U	0.32 U	0.71 U	0.35 U	7.4 U	0.65 U	7.4 U
PCB-1242	53469-21-9	DoD SW-846 8082A	mg/kg	0.23	**0.95**	0.26 U	0.28 U	0.06 U	0.59 U	0.32 U	0.71 U	0.35 U	7.4 U	0.65 U	7.4 U
PCB-1248	12672-29-6	DoD SW-846 8082A	mg/kg	0.23	**0.94**	0.26 U	0.28 U	0.06 U	0.59 U	0.32 U	0.71 U	0.35 U	7.4 U	0.65 U	7.4 U
PCB-1254	11097-69-1	DoD SW-846 8082A	mg/kg	0.12	**0.97**	0.26 U	0.28 U	0.06 U	0.59 U	0.32 U	0.71 U	0.35 U	7.4 U	0.65 U	7.4 U
PCB-1260	11096-82-5	DoD SW-846 8082A	mg/kg	0.24	**0.99**	0.26 U	0.28 U	0.06 U	**1.5**	0.32 U	0.71 U	0.35 U	7.4 U	0.65 U	7.4 U
PHORATE	298-02-2	DoD SW-846 8141B	mg/kg	1.30	**16**	0.18 U	0.038 U	0.04 U	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
PHOSMET	732-11-6	DoD SW-846 8141B	mg/kg	130	**1600**	0.18 U	0.038 U	0.04 U	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
RONNEL	299-84-3	DoD SW-846 8141B	mg/kg	390	**5800**	0.18 U	0.038 U	0.04 U	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
SIMAZINE	122-34-9	DoD SW-846 8141B	mg/kg	4.50	**19**	0.18 U	0.038 U	0.04 U	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
TETRAETHYLDITHIOPYROPHOSPHA	3689-24-5	DoD SW-846 8141B	mg/kg	3.20	**41**	0.18 U	0.038 U	0.04 U	0.2 U	0.043 U	0.048 U	0.046 U	0.05 U	0.043 U	0.049 U
TOXAPHENE	8001-35-2	DOD SW-846 8081B	mg/kg	0.49	**2.10**	1.3 U	1.4 U	0.06 U	0.59 U	0.32 U	0.71 U	0.35 U	7.4 U	0.65 U	7.4 U
Endosulfan (alpha+beta+sulfate)	115-29-7	Calculation	mg/kg	47	**700**	0.0088 U	0.0095 U	0.002 U	0.02 U	0.011 U	0.024 U	0.012 U	0.25 U	0.022 U	0.25 U
Heptachlor (and its epoxide)	D031	Calculation	mg/kg	--	--	0.0088 U	0.0095 U	0.002 U	0.02 U	0.011 U	0.024 U	0.012 U	0.25 U	0.022 U	0.25 U
PCBs (or Aroclor mixture)	1336-36-3	Calculation	mg/kg	0.23	**0.94**	0.26 U	0.28 U	0.06 U	**3**	0.32 U	0.71 U	0.35 U	7.4 U	0.65 U	7.4 U

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units:
mg/kg - micrograms per kilogram

TABLE 8
SOIL SAMPLING ANALYTICAL RESULTS - Soil Boring Samples - Pesticides, Herbicides, PCBs
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

Site Name	Bechara Lands DMMA			Lab Sample ID		J2411336003	J2411336004	J2411208003	J2411208004	J2411208005	J2411208006	J2411208007	J2411208008	J2411208013	J2410906003	J2410906004
Site Location	San Juan, PR			Sample Number		SB-6-0-2	SB-6-5-6	SB-7-0-2	SB-7-8-9	SB-8-0-2	SB-8-5-6	SB-9-0-2	SB-9-7-8	SB-10-0-2	SB-11-2-4	SB-11-8
Project Manager	Rick Levin, PG			Date/ Time Sampled		8/1/2024 12:45	8/1/2024 13:15	7/29/2024 11:05	7/29/2024 11:40	7/29/2024 13:15	7/29/2024 13:45	7/30/2024 10:10	7/30/2024 10:40	7/31/2024 9:10	7/23/2024 13:10	7/23/2024 13:25
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	5-6	0-2	8-9	0-2	5-6	0-2	7-8	0-2	2-4	8
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-6**	**SB-6**	**SB-7**	**SB-7**	**SB-8**	**SB-8**	**SB-9**	**SB-9**	**SB-10**	**SB-11**	**SB-11**
ALDRIN	309-00-2	DOD SW-846 8081B	mg/kg	0.039	**0.18**	0.021 U	0.026 U	0.011 U	0.013 U	0.012 U	0.017 U	0.011 U	0.013 U	0.012 U	0.017 U	0.02 U
alpha-BHC	319-84-6	DOD SW-846 8081B	mg/kg	0.086	**0.36**	0.021 U	0.026 U	0.011 U	0.013 U	0.012 U	0.017 U	0.011 U	0.013 U	0.012 U	0.017 U	0.02 U
alpha-CHLORDANE	5103-71-9	DOD SW-846 8081B	mg/kg	3.60	**50**	0.043 U	0.051 U	0.023 U	0.026 U	0.023 U	0.034 U	0.022 U	0.025 U	0.024 U	0.033 U	0.039 U
ATRAZINE	1912-24-9	DoD SW-846 8141B	mg/kg	2.40	**10**	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
ATRAZINE	1912-24-9	DoD SW-846 8270D	mg/kg	2.40	**10**	0.47 U	0.54 U	0.47 U	0.54 U	0.5 U	0.68 U	0.46 U	0.51 U	0.48 U	0.38 U	0.42 U
AZINPHOS-METHYL	86-50-0	DoD SW-846 8141B	mg/kg	19	**250**	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
beta-BHC	319-85-7	DOD SW-846 8081B	mg/kg	0.30	**1.30**	0.021 U	0.026 U	0.011 U	0.013 U	0.012 U	0.017 U	0.011 U	0.013 U	0.012 U	0.017 U	0.02 U
CHLORDANE	57-74-9	DOD SW-846 8081B	mg/kg	--	--	0.39 U	0.46 U	0.2 U	0.23 U	0.21 U	0.31 U	0.2 U	0.23 U	0.21 U	0.3 U	0.35 U
CHLORPYRIFOS	2921-88-2	DoD SW-846 8141B	mg/kg	6.30	**82**	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
CHLORPYRIFOS-METHYL	5598-13-0	DoD SW-846 8141B	mg/kg	63	**820**	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
delta-BHC	319-86-8	DOD SW-846 8081B	mg/kg	--	--	0.021 U	0.026 U	0.011 U	0.013 U	0.012 U	0.017 U	0.011 U	0.013 U	0.012 U	0.017 U	0.02 U
DEMETON	8065-48-3	DoD SW-846 8141B	mg/kg	0.25	**3.30**	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
DIAZINON	333-41-5	DoD SW-846 8141B	mg/kg	4.40	**57**	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
DIELDRIN	60-57-1	DOD SW-846 8081B	mg/kg	0.03	**0.14**	0.021 U	0.026 U	0.011 U	0.013 U	0.012 U	0.017 U	0.011 U	0.013 U	0.012 U	0.017 U	0.02 U
DIMETHOATE	60-51-5	DoD SW-846 8141B	mg/kg	14	**180**	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
DISULFOTON	298-04-4	DoD SW-846 8141B	mg/kg	0.25	**3.30**	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
ENDOSULFAN I	959-98-8	DOD SW-846 8081B	mg/kg	--	--	0.021 U	0.026 U	0.011 U	0.013 U	0.012 U	0.017 U	0.011 U	0.013 U	0.012 U	0.017 U	0.02 U
ENDOSULFAN II	33213-65-9	DOD SW-846 8081B	mg/kg	--	--	0.021 U	0.026 U	0.011 U	0.013 U	0.012 U	0.017 U	0.011 U	0.013 U	0.012 U	0.017 U	0.02 U
ENDOSULFAN SULFATE	1031-07-8	DOD SW-846 8081B	mg/kg	38	**490**	0.021 U	0.026 U	0.011 U	0.013 U	0.012 U	0.017 U	0.011 U	0.013 U	0.012 U	0.017 U	0.02 U
ENDRIN	72-20-8	DOD SW-846 8081B	mg/kg	1.90	**25**	0.043 U	0.051 U	0.023 U	0.026 U	0.023 U	0.034 U	0.022 U	0.025 U	0.024 U	0.033 U	0.039 U
ENDRIN ALDEHYDE	7421-93-4	DOD SW-846 8081B	mg/kg	--	--	0.021 U	0.026 U	0.011 U	0.013 U	0.012 U	0.017 U	0.011 U	0.013 U	0.012 U	0.017 U	0.02 U
ENDRIN KETONE	53494-70-5	DOD SW-846 8081B	mg/kg	--	--	0.021 U	0.026 U	0.057 U	0.065 U	0.058 U	0.085 U	0.011 U	0.013 U	0.012 U	0.017 U	0.02 U
ETHION	563-12-2	DoD SW-846 8141B	mg/kg	3.20	**41**	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
ETHOPROP	13194-48-4	DoD SW-846 8141B	mg/kg	--	--	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
FAMPHUR	52-85-7	DoD SW-846 8141B	mg/kg	--	--	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
FENSULFOTHION	115-90-2	DoD SW-846 8141B	mg/kg	--	--	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
FONOPHOS	944-22-9	DoD SW-846 8141B	mg/kg	13	**160**	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
gamma-BHC (LINDANE)	58-89-9	DOD SW-846 8081B	mg/kg	0.57	**2.50**	0.021 U	0.026 U	0.011 U	0.013 U	0.012 U	0.017 U	0.011 U	0.013 U	0.012 U	0.017 U	0.02 U
gamma-CHLORDANE	5103-74-2	DOD SW-846 8081B	mg/kg	3.60	**50**	0.043 U	0.051 U	0.023 U	0.026 U	0.023 U	0.034 U	0.022 U	0.025 U	0.024 U	0.033 U	0.039 U
HEPTACHLOR	76-44-8	DOD SW-846 8081B	mg/kg	0.13	**0.63**	0.021 U	0.026 U	0.011 U	0.013 U	0.012 U	0.017 U	0.011 U	0.013 U	0.012 U	0.017 U	0.02 U
HEPTACHLOR EPOXIDE	1024-57-3	DOD SW-846 8081B	mg/kg	0.07	**0.33**	0.021 U	0.026 U	0.011 U	0.013 U	0.012 U	0.017 U	0.011 U	0.013 U	0.012 U	0.017 U	0.02 U
MALATHION	121-75-5	DoD SW-846 8141B	mg/kg	130	**1600**	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
MERPHOS	150-50-5	DoD SW-846 8141B	mg/kg	0.23	**3.50**	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
METHOXYCHLOR	72-43-5	DOD SW-846 8081B	mg/kg	32	**410**	0.021 U	0.026 U	0.057 U	0.065 U	0.058 U	0.085 U	0.056 U	0.063 U	0.059 U	0.084 U	0.098 U
MEVINPHOS	7786-34-7	DoD SW-846 8141B	mg/kg	--	--	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
p,p-DDD	72-54-8	DOD SW-846 8081B	mg/kg	2.30	**9.60**	0.021 U	0.026 U	0.011 U	0.013 U	0.012 U	0.017 U	0.011 U	0.013 U	0.012 U	0.017 U	0.02 U
p,p-DDE	72-55-9	DOD SW-846 8081B	mg/kg	2.00	**9.30**	0.021 U	0.026 U	0.011 U	0.013 U	0.012 U	0.017 U	0.011 U	0.013 U	0.012 U	0.017 U	0.02 U
p,p-DDT	50-29-3	DOD SW-846 8081B	mg/kg	1.90	**8.50**	0.043 U	0.051 U	0.11 U	0.13 U	0.12 U	0.17 U	0.11 U	0.13 U	0.12 U	0.17 U	0.2 U
PARATHION, ETHYL	56-38-2	DoD SW-846 8141B	mg/kg	38	**490**	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
PARATHION, METHYL	298-00-0	DoD SW-846 8141B	mg/kg	1.60	**21**	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
PCB-1016	12674-11-2	DoD SW-846 8082A	mg/kg	0.41	**5.10**	0.64 U	0.77 U	0.34 U	0.39 U	0.35 U	0.51 U	0.34 U	0.38 U	0.36 U	0.05 U	0.059 U
PCB-1221	11104-28-2	DoD SW-846 8082A	mg/kg	0.20	**0.83**	0.64 U	0.77 U	0.34 U	0.39 U	0.35 U	0.51 U	0.34 U	0.38 U	0.36 U	0.05 U	0.059 U
PCB-1232	11141-16-5	DoD SW-846 8082A	mg/kg	0.17	**0.72**	0.64 U	0.77 U	0.34 U	0.39 U	0.35 U	0.51 U	0.34 U	0.38 U	0.36 U	0.05 U	0.059 U
PCB-1242	53469-21-9	DoD SW-846 8082A	mg/kg	0.23	**0.95**	0.64 U	0.77 U	0.34 U	0.39 U	0.35 U	0.51 U	0.34 U	0.38 U	0.36 U	0.05 U	0.059 U
PCB-1248	12672-29-6	DoD SW-846 8082A	mg/kg	0.23	**0.94**	0.64 U	0.77 U	0.34 U	0.39 U	0.35 U	0.51 U	0.34 U	0.38 U	0.36 U	0.05 U	0.059 U
PCB-1254	11097-69-1	DoD SW-846 8082A	mg/kg	0.12	**0.97**	0.64 U	0.77 U	0.34 U	0.39 U	0.35 U	0.51 U	0.34 U	0.38 U	0.36 U	0.05 U	0.059 U
PCB-1260	11096-82-5	DoD SW-846 8082A	mg/kg	0.24	**0.99**	0.64 U	0.77 U	0.34 U	0.39 U	0.35 U	0.51 U	0.34 U	0.38 U	0.36 U	0.05 U	0.059 J
PHORATE	298-02-2	DoD SW-846 8141B	mg/kg	1.30	**16**	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
PHOSMET	732-11-6	DoD SW-846 8141B	mg/kg	130	**1600**	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
RONNEL	299-84-3	DoD SW-846 8141B	mg/kg	390	**5800**	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
SIMAZINE	122-34-9	DoD SW-846 8141B	mg/kg	4.50	**19**	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
TETRAETHYLDITHIOPYROPHOSPHA	3689-24-5	DoD SW-846 8141B	mg/kg	3.20	**41**	0.043 U	0.051 U	0.045 U	0.052 U	0.046 U	0.068 U	0.045 U	0.05 U	0.048 U	0.033 U	0.039 U
TOXAPHENE	8001-35-2	DOD SW-846 8081B	mg/kg	0.49	**2.10**	0.64 U	0.77 U	1.7 U	1.9 U	1.7 U	2.5 U	0.34 U	0.38 U	0.36 U	2.5 U	2.9 U
Endosulfan (alpha+beta+sulfate)	115-29-7	Calculation	mg/kg	47	**700**	0.021 U	0.026 U	0.011 U	0.013 U	0.012 U	0.017 U	0.011 U	0.013 U	0.012 U	0.017 U	0.02 U
Heptachlor (and its epoxide)	D031	Calculation	mg/kg	--	--	0.021 U	0.026 U	0.011 U	0.013 U	0.012 U	0.017 U	0.011 U	0.013 U	0.012 U	0.017 U	0.02 U
PCBs (or Aroclor mixture)	1336-36-3	Calculation	mg/kg	0.23	**0.94**	0.64 U	0.77 U	0.34 U	0.39 U	0.35 U	0.51 U	0.34 U	0.38 U	0.36 U	0.05 U	0.118

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units:
mg/kg - micrograms per kilogram

TABLE 8
SOIL SAMPLING ANALYTICAL RESULTS - Soil Boring Samples - Pesticides, Herbicides, PCBs
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

Site Name	Bechara Lands DMMA			Lab Sample ID		J2410906005	J2410906006	J2410906007	J2410906011	J2410906008	J2410906009	J2410906010	J2410906001	J2410906002	J2411211005	J2411211004
Site Location	San Juan, PR			Sample Number		SB-12-0-2	SB-13-0-4	SB-13-6-7	SB-14-0-4	SB-14-6-7	SB-15-0-4	SB-15-8-9	SB-16-1.5-2.5	SB-16-4	SB-17-0-4	SB-17-6-7
Project Manager	Rick Levin, PG			Date/ Time Sampled		7/23/2024 15:55	7/24/2024 10:10	7/24/2024 10:35	7/24/2024 11:45	7/24/2024 12:15	7/24/2024 14:00	7/24/2024 14:45	7/23/2024 9:30	7/23/2024 9:50	7/25/2024 9:30	7/25/2024 9:50
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2	0-4	6-7	0-4	6-7	0-4	8-9	1.5-2.5	4	0-4	6-7
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-12**	**SB-13**	**SB-13**	**SB-14**	**SB-14**	**SB-15**	**SB-15**	**SB-16**	**SB-16**	**SB-17**	**SB-17**
ALDRIN	309-00-2	DOD SW-846 8081B	mg/kg	0.039	**0.18**	0.024 U	0.017 U	0.002 U	0.0093 U	0.0022 U	0.039 U	0.035 U	0.011 U	0.002 U	0.0088 U	0.01 U
alpha-BHC	319-84-6	DOD SW-846 8081B	mg/kg	0.086	**0.36**	0.024 U	0.017 U	0.002 U	0.0093 U	0.0022 U	0.039 U	0.035 U	0.011 U	0.002 U	0.0088 U	0.01 U
alpha-CHLORDANE	5103-71-9	DOD SW-846 8081B	mg/kg	3.60	**50**	0.048 U	0.034 U	0.004 U	0.019 U	0.0043 U	0.078 U	0.069 U	0.023 U	0.0039 U	0.018 U	0.02 U
ATRAZINE	1912-24-9	DoD SW-846 8141B	mg/kg	2.40	**10**	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
ATRAZINE	1912-24-9	DoD SW-846 8270D	mg/kg	2.40	**10**	0.51 U	0.36 U	0.42 U	1.6 U	0.45 U	21 U	16 U	1.9 U	0.41 U	7.4 U	1.7 U
AZINPHOS-METHYL	86-50-0	DoD SW-846 8141B	mg/kg	19	**250**	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
beta-BHC	319-85-7	DOD SW-846 8081B	mg/kg	0.30	**1.30**	0.024 U	0.017 U	0.002 U	0.0093 U	0.0022 U	0.039 U	0.035 U	0.011 U	0.002 U	0.0088 U	0.01 U
CHLORDANE	57-74-9	DOD SW-846 8081B	mg/kg	--	--	0.43 U	0.31 U	0.036 U	0.17 U	0.039 U	0.7 U	0.62 U	0.2 U	0.035 U	0.16 U	0.18 U
CHLORPYRIFOS	2921-88-2	DoD SW-846 8141B	mg/kg	6.30	**82**	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
CHLORPYRIFOS-METHYL	5598-13-0	DoD SW-846 8141B	mg/kg	63	**820**	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
delta-BHC	319-86-8	DOD SW-846 8081B	mg/kg	--	--	0.024 U	0.017 U	0.002 U	0.0093 U	0.0022 U	0.039 U	0.035 U	0.011 U	0.002 U	0.0088 U	0.01 U
DEMETON	8065-48-3	DoD SW-846 8141B	mg/kg	0.25	**3.30**	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
DIAZINON	333-41-5	DoD SW-846 8141B	mg/kg	4.40	**57**	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
DIELDRIN	60-57-1	DOD SW-846 8081B	mg/kg	0.03	**0.14**	0.024 U	0.017 U	0.002 U	0.0093 U	0.0022 U	0.039 U	0.035 U	0.011 U	0.002 U	0.0088 U	0.01 U
DIMETHOATE	60-51-5	DoD SW-846 8141B	mg/kg	14	**180**	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
DISULFOTON	298-04-4	DoD SW-846 8141B	mg/kg	0.25	**3.30**	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
ENDOSULFAN I	959-98-8	DOD SW-846 8081B	mg/kg	--	--	0.024 U	0.017 U	0.002 U	0.0093 U	0.0022 U	0.039 U	0.035 U	0.011 U	0.002 U	0.0088 U	0.01 U
ENDOSULFAN II	33213-65-9	DOD SW-846 8081B	mg/kg	--	--	0.024 U	0.017 U	0.002 U	0.0093 U	0.0022 U	0.039 U	0.035 U	0.011 U	0.002 U	0.0088 U	0.01 U
ENDOSULFAN SULFATE	1031-07-8	DOD SW-846 8081B	mg/kg	38	**490**	0.024 U	0.017 U	0.002 U	0.0093 U	0.0022 U	0.039 U	0.035 U	0.011 U	0.002 U	0.0088 U	0.01 U
ENDRIN	72-20-8	DOD SW-846 8081B	mg/kg	1.90	**25**	0.048 U	0.034 U	0.004 U	0.019 U	0.0043 U	0.078 U	0.069 U	0.023 U	0.0039 U	0.018 U	0.02 U
ENDRIN ALDEHYDE	7421-93-4	DOD SW-846 8081B	mg/kg	--	--	0.024 U	0.017 U	0.002 U	0.0093 U	0.0022 U	0.039 U	0.035 U	0.011 U	0.002 U	0.0088 U	0.01 U
ENDRIN KETONE	53494-70-5	DOD SW-846 8081B	mg/kg	--	--	0.024 U	0.017 U	0.002 U	0.0093 U	0.0022 U	0.039 U	0.035 U	0.011 U	0.002 U	0.0088 U	0.01 U
ETHION	563-12-2	DoD SW-846 8141B	mg/kg	3.20	**41**	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
ETHOPROP	13194-48-4	DoD SW-846 8141B	mg/kg	--	--	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
FAMPHUR	52-85-7	DoD SW-846 8141B	mg/kg	--	--	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
FENSULFOTHION	115-90-2	DoD SW-846 8141B	mg/kg	--	--	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
FONOPHOS	944-22-9	DoD SW-846 8141B	mg/kg	13	**160**	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
gamma-BHC (LINDANE)	58-89-9	DOD SW-846 8081B	mg/kg	0.57	**2.50**	0.024 U	0.017 U	0.002 U	0.0093 U	0.0022 U	0.039 U	0.035 U	0.011 U	0.002 U	0.0088 U	0.01 U
gamma-CHLORDANE	5103-74-2	DOD SW-846 8081B	mg/kg	3.60	**50**	0.048 U	0.034 U	0.004 U	0.019 U	0.0043 U	0.078 U	0.069 U	0.023 U	0.0039 U	0.018 U	0.02 U
HEPTACHLOR	76-44-8	DOD SW-846 8081B	mg/kg	0.13	**0.63**	0.024 U	0.017 U	0.002 U	0.0093 U	0.0022 U	0.039 U	0.035 U	0.011 U	0.002 U	0.0088 U	0.01 U
HEPTACHLOR EPOXIDE	1024-57-3	DOD SW-846 8081B	mg/kg	0.07	**0.33**	0.024 U	0.017 U	0.002 U	0.0093 U	0.0022 U	0.039 U	0.035 U	0.011 U	0.002 U	0.0088 U	0.01 U
MALATHION	121-75-5	DoD SW-846 8141B	mg/kg	130	**1600**	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
MERPHOS	150-50-5	DoD SW-846 8141B	mg/kg	0.23	**3.50**	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
METHOXYCHLOR	72-43-5	DOD SW-846 8081B	mg/kg	32	**410**	0.12 U	0.085 U	0.04 U	0.0093 U	0.022 U	0.2 U	0.17 U	0.045 U	0.0098 U	0.0088 U	0.01 U
MEVINPHOS	7786-34-7	DoD SW-846 8141B	mg/kg	--	--	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
p,p-DDD	72-54-8	DOD SW-846 8081B	mg/kg	2.30	**9.60**	0.024 U	0.017 U	0.002 U	0.0093 U	0.0022 U	0.039 U	0.035 U	0.011 U	0.002 U	0.0088 U	0.01 U
p,p-DDE	72-55-9	DOD SW-846 8081B	mg/kg	2.00	**9.30**	0.024 U	0.017 U	0.002 U	0.0093 U	0.0022 U	0.039 U	0.035 U	0.011 U	0.002 U	0.024	0.01 U
p,p-DDT	50-29-3	DOD SW-846 8081B	mg/kg	1.90	**8.50**	0.24 U	0.17 U	0.081 U	0.019 U	0.043 U	0.39 U	0.35 U	0.091 U	0.02 U	0.088 U	0.1 U
PARATHION, ETHYL	56-38-2	DoD SW-846 8141B	mg/kg	38	**490**	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
PARATHION, METHYL	298-00-0	DoD SW-846 8141B	mg/kg	1.60	**21**	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
PCB-1016	12674-11-2	DoD SW-846 8082A	mg/kg	0.41	**5.10**	0.072 U	0.051 U	0.061 U	0.056 U	0.065 U	0.29 U	0.052 U	0.068 U	0.059 U	0.26 U	0.3 U
PCB-1221	11104-28-2	DoD SW-846 8082A	mg/kg	0.20	**0.83**	0.072 U	0.051 U	0.061 U	0.056 U	0.065 U	0.29 U	0.052 U	0.068 U	0.059 U	0.26 U	0.3 U
PCB-1232	11141-16-5	DoD SW-846 8082A	mg/kg	0.17	**0.72**	0.072 U	0.051 U	0.061 U	0.056 U	0.065 U	0.29 U	0.052 U	0.068 U	0.059 U	0.26 U	0.3 U
PCB-1242	53469-21-9	DoD SW-846 8082A	mg/kg	0.23	**0.95**	0.072 U	0.051 U	0.061 U	0.056 U	0.065 U	0.29 U	0.2	0.068 U	0.059 U	0.26 U	0.3 U
PCB-1248	12672-29-6	DoD SW-846 8082A	mg/kg	0.23	**0.94**	0.072 U	0.051 U	0.061 U	0.056 U	0.065 U	0.29 U	0.052 U	0.068 U	0.059 U	0.26 U	0.3 U
PCB-1254	11097-69-1	DoD SW-846 8082A	mg/kg	0.12	**0.97**	0.2	0.051 U	0.061 U	0.056 U	0.065 U	0.29 U	0.052 U	0.068 U	0.059 U	0.26 U	0.3 U
PCB-1260	11096-82-5	DoD SW-846 8082A	mg/kg	0.24	**0.99**	0.072 U	0.14	0.061 U	0.056 U	0.065 U	0.29 U	0.052 U	0.068 U	0.059 U	0.42 J	0.3 U
PHORATE	298-02-2	DoD SW-846 8141B	mg/kg	1.30	**16**	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
PHOSMET	732-11-6	DoD SW-846 8141B	mg/kg	130	**1600**	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
RONNEL	299-84-3	DoD SW-846 8141B	mg/kg	390	**5800**	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
SIMAZINE	122-34-9	DoD SW-846 8141B	mg/kg	4.50	**19**	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
TETRAETHYLDITHIOPYROPHOSPHA	3689-24-5	DoD SW-846 8141B	mg/kg	3.20	**41**	0.048 U	0.034 U	0.04 U	0.038 U	0.043 U	0.036 U	0.19 U	0.045 U	0.039 U	0.18 U	0.2 U
TOXAPHENE	8001-35-2	DOD SW-846 8081B	mg/kg	0.49	**2.10**	3.6 U	2.6 U	1.2 U	0.28 U	0.65 U	5.9 U	5.2 U	1.4 U	0.3 U	1.3 U	1.5 U
Endosulfan (alpha+beta+sulfate)	115-29-7	Calculation	mg/kg	47	**700**	0.024 U	0.017 U	0.002 U	0.0093 U	0.0022 U	0.039 U	0.035 U	0.011 U	0.002 U	0.0088 U	0.01 U
Heptachlor (and its epoxide)	D031	Calculation	mg/kg	--	--	0.024 U	0.017 U	0.002 U	0.0093 U	0.0022 U	0.039 U	0.035 U	0.011 U	0.002 U	0.0088 U	0.01 U
PCBs (or Aroclor mixture)	1336-36-3	Calculation	mg/kg	0.23	**0.94**	0.2	0.14	0.061 U	0.056 U	0.065 U	0.29 U	0.4	0.068 U	0.059 U	0.42	0.3 U

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units:
mg/kg - micrograms per kilogram

TABLE 8
SOIL SAMPLING ANALYTICAL RESULTS - Soil Boring Samples - Pesticides, Herbicides, PCBs
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

Site Name	Bechara Lands DMMA			Lab Sample ID		J2411208001		J2411208002		J2411211002		J2411211006		J2411211001	
Site Location	San Juan, PR			Sample Number		SB-18-0-2		SB-18-8-9		SB-19-0-2		SB-20-0-4		SB-20-6-7	
Project Manager	Rick Levin, PG			Date/ Time Sampled		7/29/2024 9:30		7/29/2024 9:50		7/25/2024 15:00		7/25/2024 11:15		7/25/2024 12:10	
Checked By	Karen Kalka			Sample Interval (ft,bls)		0-2		8-9		0-2		0-4		6-7	
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Resident Soil**	**EPA RSL Industrial Soil**	**SB-18**		**SB-18**		**SB-19**		**SB-20**		**SB-20**	
ALDRIN	309-00-2	DOD SW-846 8081B	mg/kg	0.039	**0.18**	0.011	U	0.0098	U	0.0084	U	0.0088	U	0.0092	U
alpha-BHC	319-84-6	DOD SW-846 8081B	mg/kg	0.086	**0.36**	0.011	U	0.0098	U	0.0084	U	0.0088	U	0.0092	U
alpha-CHLORDANE	5103-71-9	DOD SW-846 8081B	mg/kg	3.60	**50**	0.021	U	0.02	U	0.017	U	0.018	U	0.018	U
ATRAZINE	1912-24-9	DoD SW-846 8141B	mg/kg	2.40	**10**	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
ATRAZINE	1912-24-9	DoD SW-846 8270D	mg/kg	2.40	**10**	0.43	U	0.39	U	7.4	U	1.5	U	0.38	U
AZINPHOS-METHYL	86-50-0	DoD SW-846 8141B	mg/kg	19	**250**	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
beta-BHC	319-85-7	DOD SW-846 8081B	mg/kg	0.30	**1.30**	0.011	U	0.0098	U	0.0084	U	0.0088	U	0.0092	U
CHLORDANE	57-74-9	DOD SW-846 8081B	mg/kg	--	--	0.19	U	0.18	U	0.15	U	0.16	U	0.17	U
CHLORPYRIFOS	2921-88-2	DoD SW-846 8141B	mg/kg	6.30	**82**	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
CHLORPYRIFOS-METHYL	5598-13-0	DoD SW-846 8141B	mg/kg	63	**820**	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
delta-BHC	319-86-8	DOD SW-846 8081B	mg/kg	--	--	0.011	U	0.0098	U	0.0084	U	0.0088	U	0.0092	U
DEMETON	8065-48-3	DoD SW-846 8141B	mg/kg	0.25	**3.30**	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
DIAZINON	333-41-5	DoD SW-846 8141B	mg/kg	4.40	**57**	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
DIELDRIN	60-57-1	DOD SW-846 8081B	mg/kg	0.03	**0.14**	0.011	U	0.0098	U	0.0084	U	0.0066	J	0.0092	U
DIMETHOATE	60-51-5	DoD SW-846 8141B	mg/kg	14	**180**	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
DISULFOTON	298-04-4	DoD SW-846 8141B	mg/kg	0.25	**3.30**	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
ENDOSULFAN I	959-98-8	DOD SW-846 8081B	mg/kg	--	--	0.011	U	0.0098	U	0.0084	U	0.0088	U	0.0092	U
ENDOSULFAN II	33213-65-9	DOD SW-846 8081B	mg/kg	--	--	0.011	U	0.0098	U	0.0084	U	0.0088	U	0.0092	U
ENDOSULFAN SULFATE	1031-07-8	DOD SW-846 8081B	mg/kg	38	**490**	0.011	U	0.0098	U	0.0084	U	0.0088	U	0.0092	U
ENDRIN	72-20-8	DOD SW-846 8081B	mg/kg	1.90	**25**	0.021	U	0.02	U	0.017	U	0.018	U	0.018	U
ENDRIN ALDEHYDE	7421-93-4	DOD SW-846 8081B	mg/kg	--	--	0.011	U	0.0098	U	0.0084	U	0.0088	U	0.0092	U
ENDRIN KETONE	53494-70-5	DOD SW-846 8081B	mg/kg	--	--	0.011	U	0.0098	U	0.0084	U	0.0088	U	0.0092	U
ETHION	563-12-2	DoD SW-846 8141B	mg/kg	3.20	**41**	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
ETHOPROP	13194-48-4	DoD SW-846 8141B	mg/kg	--	--	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
FAMPHUR	52-85-7	DoD SW-846 8141B	mg/kg	--	--	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
FENSULFOTHION	115-90-2	DoD SW-846 8141B	mg/kg	--	--	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
FONOPHOS	944-22-9	DoD SW-846 8141B	mg/kg	13	**160**	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
gamma-BHC (LINDANE)	58-89-9	DOD SW-846 8081B	mg/kg	0.57	**2.50**	0.011	U	0.0098	U	0.0084	U	0.0088	U	0.0092	U
gamma-CHLORDANE	5103-74-2	DOD SW-846 8081B	mg/kg	3.60	**50**	0.021	U	0.02	U	0.017	U	0.018	U	0.018	U
HEPTACHLOR	76-44-8	DOD SW-846 8081B	mg/kg	0.13	**0.63**	0.011	U	0.0098	U	0.0084	U	0.0088	U	0.0092	U
HEPTACHLOR EPOXIDE	1024-57-3	DOD SW-846 8081B	mg/kg	0.07	**0.33**	0.011	U	0.0098	U	0.0084	U	0.0088	U	0.0092	U
MALATHION	121-75-5	DoD SW-846 8141B	mg/kg	130	**1600**	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
MERPHOS	150-50-5	DoD SW-846 8141B	mg/kg	0.23	**3.50**	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
METHOXYCHLOR	72-43-5	DOD SW-846 8081B	mg/kg	32	**410**	0.011	U	0.0098	U	0.0084	U	0.0088	U	0.0092	U
MEVINPHOS	7786-34-7	DoD SW-846 8141B	mg/kg	--	--	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
p,p-DDD	72-54-8	DOD SW-846 8081B	mg/kg	2.30	**9.60**	0.011	U	0.0098	U	0.0084	U	0.0088	U	0.0092	U
p,p-DDE	72-55-9	DOD SW-846 8081B	mg/kg	2.00	**9.30**	0.011	U	0.0098	U	0.0084	U	0.0088	U	0.016	J
p,p-DDT	50-29-3	DOD SW-846 8081B	mg/kg	1.90	**8.50**	0.11	U	0.098	U	0.084	U	0.088	U	0.092	U
PARATHION, ETHYL	56-38-2	DoD SW-846 8141B	mg/kg	38	**490**	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
PARATHION, METHYL	298-00-0	DoD SW-846 8141B	mg/kg	1.60	**21**	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
PCB-1016	12674-11-2	DoD SW-846 8082A	mg/kg	0.41	**5.10**	0.32	U	0.29	U	0.25	U	0.26	U	0.28	U
PCB-1221	11104-28-2	DoD SW-846 8082A	mg/kg	0.20	**0.83**	0.32	U	0.29	U	0.25	U	0.26	U	0.28	U
PCB-1232	11141-16-5	DoD SW-846 8082A	mg/kg	0.17	**0.72**	0.32	U	0.29	U	0.25	U	0.26	U	0.28	U
PCB-1242	53469-21-9	DoD SW-846 8082A	mg/kg	0.23	**0.95**	0.32	U	0.29	U	0.25	U	0.26	U	0.28	U
PCB-1248	12672-29-6	DoD SW-846 8082A	mg/kg	0.23	**0.94**	0.32	U	0.29	U	0.25	U	0.26	U	0.28	U
PCB-1254	11097-69-1	DoD SW-846 8082A	mg/kg	0.12	**0.97**	0.32	U	0.29	U	0.25	U	0.26	U	0.28	U
PCB-1260	11096-82-5	DoD SW-846 8082A	mg/kg	0.24	**0.99**	0.32	U	0.29	U	0.25	U	0.17	J	0.28	U
PHORATE	298-02-2	DoD SW-846 8141B	mg/kg	1.30	**16**	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
PHOSMET	732-11-6	DoD SW-846 8141B	mg/kg	130	**1600**	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
RONNEL	299-84-3	DoD SW-846 8141B	mg/kg	390	**5800**	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
SIMAZINE	122-34-9	DoD SW-846 8141B	mg/kg	4.50	**19**	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
TETRAETHYLDITHIOPYROPHOSPHA	3689-24-5	DoD SW-846 8141B	mg/kg	3.20	**41**	0.042	U	0.2	U	0.17	U	0.18	U	0.037	U
TOXAPHENE	8001-35-2	DOD SW-846 8081B	mg/kg	0.49	**2.10**	1.6	U	1.5	U	1.3	U	1.3	U	1.4	U
Endosulfan (alpha+beta+sulfate)	115-29-7	Calculation	mg/kg	47	**700**	0.011	U	0.0098	U	0.0084	U	0.0088	U	0.0092	U
Heptachlor (and its epoxide)	D031	Calculation	mg/kg	--	--	0.011	U	0.0098	U	0.0084	U	0.0088	U	0.0092	U
PCBs (or Aroclor mixture)	1336-36-3	Calculation	mg/kg	0.23	**0.94**	0.32	U	0.29	U	0.25	U	0.17		0.28	U

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units:
mg/kg - micrograms per kilogram

TABLE 9
GROUNDWATER SAMPLING ANALYTICAL RESULTS - TMW Grab Samples - Volatiles
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

				Lab Sample ID		J2410968005	J2411335002	J2411335001	J2411215009	J2411215005	J2411335003	J2411215006	J2411215004	J2411215007	J2411215008	J2410907002
				Date/ Time Sampled		7/26/2024 12:45	8/1/2024 12:40	8/1/2024 11:10	7/31/2024 10:30	7/30/2024 13:00	8/1/2024 14:15	7/31/2024 8:35	7/30/2024 10:40	7/31/2024 9:30	7/31/2024 11:15	7/23/2024 14:35
				Sample Interval (ft,bls)		18	15	15	19	13	15	20	13	14	17	13
Site Name	Bechara Lands DMMA			**Field Parameters**												
Site Location	San Juan, PR			pH		Purge Dry	7.84	6.84	Purged Dry	6.87	7.11	Purged Dry	6.74	Purged Dry	6.87	7.06
Project Manager	Rick Levin, PG			Temperature (°C)			29.6	26.9		30.3	28.1		29.7		28.6	28.4
Checked By	Karen Kalka			Conductivity (µs/cm)			14225	11037		13131	27247		17522		13754	11339
				Dissolved oxygen (mg/L)			0.18	1.8		1.00	0.2		1.58		1.78	0.18
				Turbidity (NTUs)			>1000	650		9.96	506		29.6		268	7.3
				ORP (mV)			-150.4	-31.2		-20.3	-90.6		33.3		-8.4	-133.6
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Tap Water**	**EPA RSL MCL**	**TMW-1**	**TMW-2**	**TMW-3**	**TMW-4**	**TMW-5**	**TMW-6**	**TMW-7**	**TMW-8**	**TMW-9**	**TMW-10**	**TMW-11**
1,1,1-TRICHLOROETHANE	71-55-6	DoD SW-846 8260C	ug/L	800	**200**	5 U	3 U	3 U	3 U	1 U	3 U	3 U	1 U	3 U	3 U	5 U
1,1,2,2-TETRACHLOROETHANE	79-34-5	DoD SW-846 8260C	ug/L	**0.076**		2 U	1.2 U	1.2 U	1.2 U	0.4 U	1.2 U	1.2 U	0.4 U	1.2 U	1.2 U	2 U
1,1,2-TRICHLOROETHANE	79-00-5	DoD SW-846 8260C	ug/L	0.041	**5**	2.5 U	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	2.5 U
1,1-DICHLOROETHANE	75-34-3	DoD SW-846 8260C	ug/L	**2.80**	--	2.5 U	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	2.5 U
1,1-DICHLOROETHENE	75-35-4	DoD SW-846 8260C	ug/L	28	**7**	5 U	3 U	3 U	3 U	1 U	3 U	3 U	1 U	3 U	3 U	5 U
1,2,4-TRICHLOROBENZENE	120-82-1	DoD SW-846 8260C	ug/L	0.40	**70**	5 U	3 U	3 U	3 U	1 U	3 U	3 U	1 U	3 U	3 U	5 U
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	DoD SW-846 8260C	ug/L	0.0003	**0.20**	12 U	7.5 U	7.5 U	7.5 U	2.5 U	7.5 U	7.5 U	2.5 U	7.5 U	7.5 U	12 U
1,2-DIBROMOETHANE (EDB)	106-93-4	DoD SW-846 8260C	ug/L	0.01	**0.05**	2.5 U	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	2.5 U
1,2-DICHLOROBENZENE	95-50-1	DoD SW-846 8260C	ug/L	30	**600**	5 U	3 U	3 U	3 U	1 U	3 U	3 U	1 U	3 U	3 U	5 U
1,2-DICHLOROETHANE	107-06-2	DoD SW-846 8260C	ug/L	0.17	**5**	2.5 U	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	2.5 U
1,2-DICHLOROPROPANE	78-87-5	DoD SW-846 8260C	ug/L	0.82	**5**	2.5 U	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	2.5 U
1,3-DICHLOROBENZENE	541-73-1	DoD SW-846 8260C	ug/L	--	--	5 U	3 U	3 U	3 U	1 U	3 U	3 U	1 U	3 U	3 U	5 U
1,4-DICHLOROBENZENE	106-46-7	DoD SW-846 8260C	ug/L	0.48	**75**	5 U	5 J	3 U	3 U	1 U	3 U	3 U	1 U	3 U	3 U	5 U
1,4-DIOXANE	123-91-1	DOD SW-846 8270D SIM	ug/L	**0.46**	--	NA	0.48 U	0.46 U	2 U	2.1 U	0.45 U	2 U	2 U	2 U	2.1 U	0.45 U
1,4-DIOXANE	123-91-1	DoD SW-846 8260C	ug/L	**0.46**	--	12 U	7.5 U	7.5 U	7.5 U	2.5 U	7.5 U	7.5 U	2.5 U	7.5 U	7.5 U	12 U
2-HEXANONE	591-78-6	DoD SW-846 8260C	ug/L	**3.80**	--	5 U	3 U	3 U	3 U	1 U	3 U	3 U	1 U	3 U	3 U	5 U
ACETONE	67-64-1	DoD SW-846 8260C	ug/L	**1800**	--	4.6 J	7.1	47	6.8	4.7	3 U	19	5.5	3 J	3 U	4.8 J
BENZENE	71-43-2	DoD SW-846 8260C	ug/L	0.46	**5**	2.5 U	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	2.5 U
BROMODICHLOROMETHANE	75-27-4	DoD SW-846 8260C	ug/L	0.13	**80**	2.5 U	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	2.5 U
BROMOFORM	75-25-2	DoD SW-846 8260C	ug/L	3.30	**80**	2.5 U	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	2.5 U
BROMOMETHANE	74-83-9	DoD SW-846 8260C	ug/L	**0.75**	--	5 U	3 U	3 U	3 U	1 U	3 U	3 U	1 U	3 U	3 U	5 U
CARBON DISULFIDE	75-15-0	DoD SW-846 8260C	ug/L	**81**	--	5 U	3 U	3 U	3 U	1 U	3 U	3 U	1 U	3 U	3 U	5 U
CARBON TETRACHLORIDE	56-23-5	DoD SW-846 8260C	ug/L	0.46	**5**	2.5 U	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	2.5 U
CHLOROBENZENE	108-90-7	DoD SW-846 8260C	ug/L	7.80	**100**	5 U	2.7 J	3 U	3 U	1 U	3 U	3 U	1 U	3 U	3 U	5 U
CHLOROETHANE	75-00-3	DoD SW-846 8260C	ug/L	**830**	--	5 U	3 U	3 U	3 U	1 U	3 U	3 U	1 U	3 U	3 U	5 U
CHLOROFORM	67-66-3	DoD SW-846 8260C	ug/L	0.22	**80**	5 U	3 U	3 U	3 U	1 U	3 U	3 U	1 U	3 U	3 U	5 U
CHLOROMETHANE	74-87-3	DoD SW-846 8260C	ug/L	**19**	--	2.5 U	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	2.5 U
cis-1,2-DICHLOROETHENE	156-59-2	DoD SW-846 8260C	ug/L	2.50	**70**	5 U	3 U	3 U	3 U	1 U	3 U	3 U	1 U	3 U	3 U	5 U
cis-1,3-DICHLOROPROPENE	10061-01-5	DoD SW-846 8260C	ug/L	--	--	2 U	1.2 U	1.2 U	1.2 U	0.4 U	1.2 U	1.2 U	0.4 U	1.2 U	1.2 U	2 U
DIBROMOCHLOROMETHANE	124-48-1	DoD SW-846 8260C	ug/L	0.87	**80**	2 U	1.2 U	1.2 U	1.2 U	0.4 U	1.2 U	1.2 U	0.4 U	1.2 U	1.2 U	2 U
DICHLORODIFLUOROMETHANE	75-71-8	DoD SW-846 8260C	ug/L	**20**	--	5 U	3 U	3 U	3 U	1 U	3 U	3 U	1 U	3 U	3 U	5 U
ETHYLBENZENE	100-41-4	DoD SW-846 8260C	ug/L	1.50	**700**	2.5 U	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	2.5 U
ISOPROPYLBENZENE (CUMENE)	98-82-8	DoD SW-846 8260C	ug/L	**45**	--	2.5 U	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	2.5 U
METHYL ACETATE	79-20-9	DoD SW-846 8260C	ug/L	**2000**	--	5 U	3 U	3 U	3 U	1 U	3 U	3 U	1 U	3 U	3 U	5 U
METHYL ETHYL KETONE (2-BUTANONE)	78-93-3	DoD SW-846 8260C	ug/L	**560**	--	2.5 U	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	2.5 U
METHYL ISOBUTYL KETONE	108-10-1	DoD SW-846 8260C	ug/L	**630**	--	5 U	3 U	3 U	3 U	1 U	3 U	3 U	1 U	3 U	3 U	5 U
METHYL tert-BUTYL ETHER	1634-04-4	DoD SW-846 8260C	ug/L	**14**	--	2.5 U	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	2.5 U
METHYLENE CHLORIDE	75-09-2	DoD SW-846 8260C	ug/L	11	**5**	12 U	7.5 U	7.5 U	7.5 U	2.5 U	7.5 U	7.5 U	2.5 U	7.5 U	7.5 U	12 U
STYRENE	100-42-5	DoD SW-846 8260C	ug/L	120	**100**	5 U	3 U	3 U	3 U	1 U	3 U	3 U	1 U	3 U	3 U	5 U
TETRACHLOROETHENE	127-18-4	DoD SW-846 8260C	ug/L	4.10	**5**	2.5 U	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	2.5 U
TOLUENE	108-88-3	DoD SW-846 8260C	ug/L	110	**1000**	2.5 U	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	2.5 U
trans-1,2-DICHLOROETHENE	156-60-5	DoD SW-846 8260C	ug/L	6.80	**100**	5 U	3 U	3 U	3 U	1 U	3 U	3 U	1 U	3 U	3 U	5 U
trans-1,3-DICHLOROPROPENE	10061-02-6	DoD SW-846 8260C	ug/L	--	--	2 U	1.2 U	1.2 U	1.2 U	0.4 U	1.2 U	1.2 U	0.4 U	1.2 U	1.2 U	2 U
TRICHLOROETHYLENE	79-01-6	DoD SW-846 8260C	ug/L	0.28	**5**	2.5 U	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	2.5 U
TRICHLOROFLUOROMETHANE	75-69-4	DoD SW-846 8260C	ug/L	**520**	--	5 U	3 U	3 U	3 U	1 U	3 U	3 U	1 U	3 U	3 U	5 U
TRICHLOROTRIFLUOROETHANE	76-13-1	DoD SW-846 8260C	ug/L	**1000**	--	5 U	3 U	3 U	3 U	1 U	3 U	3 U	1 U	3 U	3 U	5 U
VINYL CHLORIDE	75-01-4	DoD SW-846 8260C	ug/L	0.02	**2.00**	2.5 U	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	0.5 U	1.5 U	1.5 U	2.5 U
Xylenes- Total	1330-20-7	DoD SW-846 8260C	ug/L	19	**10000**	7.5 U	4.5 U	4.5 U	4.5 U	1.5 U	4.5 U	4.5 U	1.5 U	4.5 U	4.5 U	7.5 U

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units
µg/L - micrograms per liter
NA - Not analyzed

TABLE 9
GROUNDWATER SAMPLING ANALYTICAL RESULTS - TMW Grab Samples - Volatiles
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

				Lab Sample ID		J2410907003	J2410907004	J2411215010	J2410968001	J2410907001	J2410968003	J2411215002	J2411215001	J2410968002	J2410968004	J2411215003
				Date/ Time Sampled		7/24/2024 9:25	7/23/2024 13:00	7/24/2024 14:50	7/26/2024 8:30	7/23/2024 11:45	7/26/2024 11:00	7/29/2024 14:45	7/29/2024 11:30	7/26/2024 9:30	7/26/2024 11:50	7/29/2024 15:10
				Sample Interval (ft,bls)		13	16	15	15	13	18	18	17	10	19	19
Site Name	Bechara Lands DMMA			**Field Parameters**												
Site Location	San Juan, PR			pH		7.04	7.07	7.06		6.86	6.65	6.65	6.88	7.35		
Project Manager	Rick Levin, PG			Temperature (°C)		27.7	28.6	30.3		31.2	28.8	28.8	29.5	29.5		
Checked By	Karen Kalka			Conductivity (µs/cm)		17313	14884	6371		1873	22306	22306	11505	1612		
				Dissolved oxygen (mg/L)		1.43	0.13	0.86	Purge Dry	0.32	0.3	0.3	0.2	0.47	Purge Dry	Purged Dry
				Turbidity (NTUs)		593	70.6	375		6.8	>5000	>5000	222	63.9		
				ORP (mV)		-79.1	-107.2	-78.9		-92.9	-67	-67.0	-97.5	-93.7		
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Tap Water**	**EPA RSL MCL**	**TMW-12**	**TMW-13**	**TMW-14**	**TMW-15**	**TMW-16**	**TMW-17**	**TMW-17**	**TMW-18**	**TMW-19**	**TMW-20**	**TMW-20**
1,1,1-TRICHLOROETHANE	71-55-6	DoD SW-846 8260C	ug/L	800	**200**	5 U	5 U	1 U	5 U	3 U	5 U	NA	3 U	1 U	5 U	NA
1,1,2,2-TETRACHLOROETHANE	79-34-5	DoD SW-846 8260C	ug/L	**0.076**		2 U	2 U	0.4 U	2 U	1.2 U	2 U	NA	1.2 U	0.4 U	2 U	NA
1,1,2-TRICHLOROETHANE	79-00-5	DoD SW-846 8260C	ug/L	0.041	**5**	2.5 U	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	NA	1.5 U	0.5 U	2.5 U	NA
1,1-DICHLOROETHANE	75-34-3	DoD SW-846 8260C	ug/L	**2.80**	--	2.5 U	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	NA	1.5 U	0.5 U	2.5 U	NA
1,1-DICHLOROETHENE	75-35-4	DoD SW-846 8260C	ug/L	28	**7**	5 U	5 U	1 U	5 U	3 U	5 U	NA	3 U	1 U	5 U	NA
1,2,4-TRICHLOROBENZENE	120-82-1	DoD SW-846 8260C	ug/L	0.40	**70**	5 U	5 U	1 U	5 U	3 U	5 U	NA	3 U	1 U	5 U	NA
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	DoD SW-846 8260C	ug/L	0.0003	**0.20**	12 U	12 U	2.5 U	12 U	7.5 U	12 U	NA	7.5 U	2.5 U	12 U	NA
1,2-DIBROMOETHANE (EDB)	106-93-4	DoD SW-846 8260C	ug/L	0.01	**0.05**	2.5 U	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	NA	1.5 U	0.5 U	2.5 U	NA
1,2-DICHLOROBENZENE	95-50-1	DoD SW-846 8260C	ug/L	30	**600**	5 U	5 U	1 U	5 U	3 U	5 U	NA	3 U	1 U	5 U	NA
1,2-DICHLOROETHANE	107-06-2	DoD SW-846 8260C	ug/L	0.17	**5**	2.5 U	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	NA	1.5 U	0.5 U	2.5 U	NA
1,2-DICHLOROPROPANE	78-87-5	DoD SW-846 8260C	ug/L	0.82	**5**	2.5 U	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	NA	1.5 U	0.5 U	2.5 U	NA
1,3-DICHLOROBENZENE	541-73-1	DoD SW-846 8260C	ug/L	--	--	5 U	5 U	1 U	5 U	3 U	5 U	NA	3 U	1 U	5 U	NA
1,4-DICHLOROBENZENE	106-46-7	DoD SW-846 8260C	ug/L	0.48	**75**	5 U	5 U	1 U	5 U	3 U	5 U	NA	3 U	1 U	5 U	NA
1,4-DIOXANE	123-91-1	DOD SW-846 8270D SIM	ug/L	**0.46**	--	0.49 U	0.49 U	2 U	0.49 U	0.45 U	NA	2 U	2 U	0.47 U	NA	2 U
1,4-DIOXANE	123-91-1	DoD SW-846 8260C	ug/L	**0.46**	--	12 U	12 U	2.5 U	12 U	7.5 U	12 U	NA	7.5 U	2.5 U	12 U	NA
2-HEXANONE	591-78-6	DoD SW-846 8260C	ug/L	**3.80**	--	5 U	5 U	1 U	5 U	3 U	5 U	NA	3 U	1 U	5 U	NA
ACETONE	67-64-1	DoD SW-846 8260C	ug/L	**1800**	--	9.1 J	5.7 J	4	65	8.2	160	NA	4.9 J	3.1	28	NA
BENZENE	71-43-2	DoD SW-846 8260C	ug/L	0.46	**5**	2.5 U	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	NA	1.5 U	0.5 U	2.5 U	NA
BROMODICHLOROMETHANE	75-27-4	DoD SW-846 8260C	ug/L	0.13	**80**	2.5 U	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	NA	1.5 U	0.5 U	2.5 U	NA
BROMOFORM	75-25-2	DoD SW-846 8260C	ug/L	3.30	**80**	2.5 U	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	NA	1.5 U	0.5 U	2.5 U	NA
BROMOMETHANE	74-83-9	DoD SW-846 8260C	ug/L	**0.75**	--	5 U	5 U	1 U	5 U	3 U	5 U	NA	3 U	1 U	5 U	NA
CARBON DISULFIDE	75-15-0	DoD SW-846 8260C	ug/L	**81**	--	5 U	5 U	1 U	5 U	3 U	5 U	NA	3 U	1 U	5 U	NA
CARBON TETRACHLORIDE	56-23-5	DoD SW-846 8260C	ug/L	0.46	**5**	2.5 U	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	NA	1.5 U	0.5 U	2.5 U	NA
CHLOROBENZENE	108-90-7	DoD SW-846 8260C	ug/L	7.80	**100**	5 U	5 U	1 U	5 U	3 U	5 U	NA	3 U	1 U	5 U	NA
CHLOROETHANE	75-00-3	DoD SW-846 8260C	ug/L	**830**	--	5 U	5 U	1 U	5 U	3 U	5 U	NA	3 U	1 U	5 U	NA
CHLOROFORM	67-66-3	DoD SW-846 8260C	ug/L	0.22	**80**	5 U	5 U	1 U	5 U	3 U	5 U	NA	3 U	1 U	5 U	NA
CHLOROMETHANE	74-87-3	DoD SW-846 8260C	ug/L	**19**	--	2.5 U	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	NA	1.5 U	0.5 U	2.5 U	NA
cis-1,2-DICHLOROETHENE	156-59-2	DoD SW-846 8260C	ug/L	2.50	**70**	5 U	5 U	1 U	5 U	3 U	5 U	NA	3 U	1 U	5 U	NA
cis-1,3-DICHLOROPROPENE	10061-01-5	DoD SW-846 8260C	ug/L	--	--	2 U	2 U	0.4 U	2 U	1.2 U	2 U	NA	1.2 U	0.4 U	2 U	NA
DIBROMOCHLOROMETHANE	124-48-1	DoD SW-846 8260C	ug/L	0.87	**80**	2 U	2 U	0.4 U	2 U	1.2 U	2 U	NA	1.2 U	0.4 U	2 U	NA
DICHLORODIFLUOROMETHANE	75-71-8	DoD SW-846 8260C	ug/L	**20**	--	5 U	5 U	1 U	5 U	3 U	5 U	NA	3 U	1 U	5 U	NA
ETHYLBENZENE	100-41-4	DoD SW-846 8260C	ug/L	1.50	**700**	2.5 U	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	NA	1.5 U	0.5 U	2.5 U	NA
ISOPROPYLBENZENE (CUMENE)	98-82-8	DoD SW-846 8260C	ug/L	**45**	--	2.5 U	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	NA	1.5 U	0.5 U	2.5 U	NA
METHYL ACETATE	79-20-9	DoD SW-846 8260C	ug/L	**2000**	--	5 U	5 U	1 U	5 U	3 U	5 U	NA	3 U	1 U	5 U	NA
METHYL ETHYL KETONE (2-BUTANONE)	78-93-3	DoD SW-846 8260C	ug/L	**560**	--	2.5 U	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	NA	1.5 U	0.5 U	2.5 U	NA
METHYL ISOBUTYL KETONE	108-10-1	DoD SW-846 8260C	ug/L	**630**	--	5 U	5 U	1 U	5 U	3 U	5 U	NA	3 U	1 U	5 U	NA
METHYL tert-BUTYL ETHER	1634-04-4	DoD SW-846 8260C	ug/L	**14**	--	2.5 U	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	NA	1.5 U	0.5 U	2.5 U	NA
METHYLENE CHLORIDE	75-09-2	DoD SW-846 8260C	ug/L	11	**5**	12 U	12 U	2.5 U	12 U	7.5 U	12 U	NA	7.5 U	2.5 U	12 U	NA
STYRENE	100-42-5	DoD SW-846 8260C	ug/L	120	**100**	5 U	5 U	1 U	5 U	3 U	5 U	NA	3 U	1 U	5 U	NA
TETRACHLOROETHENE	127-18-4	DoD SW-846 8260C	ug/L	4.10	**5**	2.5 U	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	NA	1.5 U	0.5 U	2.5 U	NA
TOLUENE	108-88-3	DoD SW-846 8260C	ug/L	110	**1000**	2.5 U	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	NA	1.5 U	0.5 U	2.5 U	NA
trans-1,2-DICHLOROETHENE	156-60-5	DoD SW-846 8260C	ug/L	6.80	**100**	5 U	5 U	1 U	5 U	3 U	5 U	NA	3 U	1 U	5 U	NA
trans-1,3-DICHLOROPROPENE	10061-02-6	DoD SW-846 8260C	ug/L	--	--	2 U	2 U	0.4 U	2 U	1.2 U	2 U	NA	1.2 U	0.4 U	2 U	NA
TRICHLOROETHYLENE	79-01-6	DoD SW-846 8260C	ug/L	0.28	**5**	2.5 U	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	NA	1.5 U	0.5 U	2.5 U	NA
TRICHLOROFLUOROMETHANE	75-69-4	DoD SW-846 8260C	ug/L	**520**	--	5 U	5 U	1 U	5 U	3 U	5 U	NA	3 U	1 U	5 U	NA
TRICHLOROTRIFLUOROETHANE	76-13-1	DoD SW-846 8260C	ug/L	**1000**	--	5 U	5 U	1 U	5 U	3 U	5 U	NA	3 U	1 U	5 U	NA
VINYL CHLORIDE	75-01-4	DoD SW-846 8260C	ug/L	0.02	**2.00**	2.5 U	2.5 U	0.5 U	2.5 U	1.5 U	2.5 U	NA	1.5 U	0.5 U	2.5 U	NA
Xylenes- Total	1330-20-7	DoD SW-846 8260C	ug/L	19	**10000**	7.5 U	7.5 U	1.5 U	7.5 U	4.5 U	7.5 U	NA	4.5 U	1.5 U	7.5 U	NA

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units
µg/L - micrograms per liter
NA - Not analyzed

TABLE 10
GROUNDWATER SAMPLING ANALYTICAL RESULTS - TMW Grab Samples - Semi-Volatiles
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

				Lab Sample ID		J2410968005	J2411335002	J2411335001	J2411215009	J2411215005	J2411335003	J2411215006	J2411215004	J2411215007	J2411215008
				Date/ Time Sampled		7/26/2024 12:45	8/1/2024 12:40	8/1/2024 11:10	7/31/2024 10:30	7/30/2024 13:00	8/1/2024 14:15	7/31/2024 8:35	7/30/2024 10:40	7/31/2024 9:30	7/31/2024 11:15
				Sample Interval (ft,bls)		18	15	15	19	13	15	20	13	14	17
Site Name	Bechara Lands DMMA			**Field Parameters**											
Site Location	San Juan, PR			pH			7.84	6.84		6.87	7.11		6.74		6.87
Project Manager	Rick Levin, PG			Temperature (°C)			29.6	26.9		30.3	28.1		29.7		28.6
Checked By	Karen Kalka			Conductivity (µs/cm)		Purge Dry	14225	11037	Purged Dry	13131	27247	Purged Dry	17522	Purged Dry	13754
				Dissolved oxygen (mg/L)			0.18	1.8		1.00	0.2		1.58		1.78
				Turbidity (NTUs)			>1000	650		9.96	506		29.6		268
				ORP (mV)			-150.4	-31.2		-20.3	-90.6		33.3		-8.4
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Tap Water**	**EPA RSL MCL**	**TMW-1**	**TMW-2**	**TMW-3**	**TMW-4**	**TMW-5**	**TMW-6**	**TMW-7**	**TMW-8**	**TMW-9**	**TMW-10**
2,4,5-TRICHLOROPHENOL	95-95-4	DoD SW-846 8270D	ug/L	**120**	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
2,4,6-TRICHLOROPHENOL	88-06-2	DoD SW-846 8270D	ug/L	**1.20**	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
2,4-DICHLOROPHENOL	120-83-2	DoD SW-846 8270D	ug/L	**4.60**	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
2,4-DIMETHYLPHENOL	105-67-9	DoD SW-846 8270D	ug/L	**36**	--	5.7 U	5.6 U	5.3 U	11 U	11 U	5.6 U	11 U	11 U	11 U	11 U
2,4-DINITROPHENOL	51-28-5	DoD SW-846 8270D	ug/L	**3.90**	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
2,4-DINITROTOLUENE	121-14-2	DoD SW-846 8270D	ug/L	**0.24**	--	5.7 U	5.6 U	5.3 U	11 U	11 U	5.6 U	11 U	11 U	11 U	11 U
2,6-DINITROTOLUENE	606-20-2	DoD SW-846 8270D	ug/L	**0.049**	--	5.7 U	5.6 U	5.3 U	11 U	11 U	5.6 U	11 U	11 U	11 U	11 U
2-CHLORONAPHTHALENE	91-58-7	DoD SW-846 8270D	ug/L	**75**	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
2-CHLOROPHENOL	95-57-8	DoD SW-846 8270D	ug/L	**9.10**	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
2-METHYLPHENOL	95-48-7	DoD SW-846 8270D	ug/L	**93**	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
2-NITROANILINE	88-74-4	DoD SW-846 8270D	ug/L	**19**	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
2-NITROPHENOL	88-75-5	DoD SW-846 8270D	ug/L	--	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
3,3-DICHLOROBENZIDINE	91-94-1	DoD SW-846 8270D	ug/L	**0.13**	--	5.7 U	5.6 U	5.3 U	11 U	11 U	5.6 U	11 U	11 U	11 U	11 U
3,4-METHYLPHENOL	1319-77-3	DoD SW-846 8270D	ug/L	**150**	--	5.7 U	5.6 U	5.3 U	11 U	11 U	5.6 U	11 U	11 U	11 U	11 U
3-NITROANILINE	99-09-2	DoD SW-846 8270D	ug/L	--	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
4,6-DINITRO-2-METHYLPHENOL	534-52-1	DoD SW-846 8270D	ug/L	**0.15**	--	5.7 U	5.6 U	5.3 U	11 U	11 U	5.6 U	11 U	11 U	11 U	11 U
4-BROMOPHENYL PHENYL ETHER	101-55-3	DoD SW-846 8270D	ug/L	--	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
4-CHLORO-3-METHYLPHENOL	59-50-7	DoD SW-846 8270D	ug/L	**140**	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
4-CHLOROANILINE	106-47-8	DoD SW-846 8270D	ug/L	**0.37**	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	DoD SW-846 8270D	ug/L	--	--	5.7 U	5.6 U	5.3 U	11 U	11 U	5.6 U	11 U	11 U	11 U	11 U
4-NITROANILINE	100-01-6	DoD SW-846 8270D	ug/L	**3.80**	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
4-NITROPHENOL	100-02-7	DoD SW-846 8270D	ug/L	--	--	5.7 U	5.6 U	5.3 U	11 U	11 U	5.6 U	11 U	11 U	11 U	11 U
ACETOPHENONE	98-86-2	DoD SW-846 8270D	ug/L	**190**	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
bis(2-CHLOROETHOXY) METHANE	111-91-1	DoD SW-846 8270D	ug/L	**5.90**	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
bis(2-CHLOROETHYL) ETHER	111-44-4	DoD SW-846 8270D	ug/L	**0.014**	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
bis(2-CHLOROISOPROPYL) ETHER	39638-32-9	DoD SW-846 8270D	ug/L	--	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
bis(2-ETHYLHEXYL) PHTHALATE	117-81-7	DoD SW-846 8270D	ug/L	5.60	**6**	5.7 U	5.6 U	5.3 U	11 U	11 U	5.6 U	11 U	11 U	11 U	11 U
BUTYL BENZYL PHTHALATE	85-68-7	DoD SW-846 8270D	ug/L	**16**	--	5.7 U	5.6 U	5.3 U	11 U	11 U	5.6 U	11 U	11 U	11 U	11 U
CARBAZOLE (DIBENZOPYRROLE)	86-74-8	DoD SW-846 8270D	ug/L	--	--	0.23 U	0.22 U	0.21 U	0.45 U	0.44 U	0.22 U	0.45 U	0.44 U	0.44 U	0.44 U
DI-n-BUTYL PHTHALATE	84-74-2	DoD SW-846 8270D	ug/L	**90**	--	5.7 U	5.6 U	5.3 U	21 J	11 U	5.2 J	14 J	11 U	8.6 J	12 J
DI-n-OCTYLPHTHALATE	117-84-0	DoD SW-846 8270D	ug/L	**20**	--	5.7 U	5.6 U	5.3 U	11 U	11 U	5.6 U	11 U	11 U	11 U	11 U
DIBENZOFURAN	132-64-9	DoD SW-846 8270D	ug/L	**0.79**	--	0.23 U	0.22 U	0.21 U	0.45 U	0.44 U	0.22 U	0.45 U	0.44 U	0.44 U	0.44 U
DIETHYL PHTHALATE	84-66-2	DoD SW-846 8270D	ug/L	**1500**	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
DIMETHYL PHTHALATE	131-11-3	DoD SW-846 8270D	ug/L	--	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
HEXACHLOROBENZENE	118-74-1	DOD SW-846 8081B	ug/L	0.0098	**1**	0.02 U	0.2 U	0.02 U	0.02 U	0.02 U	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U
HEXACHLOROBENZENE	118-74-1	DoD SW-846 8270D	ug/L	0.0098	**1**	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
HEXACHLOROBUTADIENE	87-68-3	DoD SW-846 8270D	ug/L	**0.14**	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
HEXACHLOROCYCLOPENTADIENE	77-47-4	DoD SW-846 8270D	ug/L	0.041	**50**	5.7 U	5.6 U	5.3 U	11 U	11 U	5.6 U	11 U	11 U	11 U	11 U
HEXACHLOROETHANE	67-72-1	DoD SW-846 8270D	ug/L	**0.33**	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
ISOPHORONE	78-59-1	DoD SW-846 8270D	ug/L	**78**	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
n-NITROSODI-n-PROPYLAMINE	621-64-7	DoD SW-846 8270D	ug/L	**0.011**	--	5.7 U	5.6 U	5.3 U	11 U	11 U	5.6 U	11 U	11 U	11 U	11 U
n-NITROSODIPHENYLAMINE	86-30-6	DoD SW-846 8270D	ug/L	**12**	--	5.7 U	5.6 U	5.3 U	11 U	11 U	5.6 U	11 U	11 U	11 U	11 U
NITROBENZENE	98-95-3	DoD SW-846 8270D	ug/L	**0.14**	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U
PENTACHLOROPHENOL	87-86-5	DoD SW-846 8270D	ug/L	0.041	**1**	2.2 U	2.1 U	2 U	4.3 U	4.2 U	2.1 U	4.3 U	4.2 U	4.2 U	4.2 U
PHENOL	108-95-2	DoD SW-846 8270D	ug/L	**580**	--	2.8 U	2.8 U	2.7 U	5.7 U	5.6 U	2.8 U	5.7 U	5.6 U	5.6 U	5.6 U

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units
µg/L - micrograms per liter
NA - Not analyzed

TABLE 10
GROUNDWATER SAMPLING ANALYTICAL RESULTS - TMW Grab Samples - Semi-Volatiles
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

				Lab Sample ID		J2410907003	J2410907004	J2411215010	J2411215011	J2410968001	J2410907001	J2411215002	J2411215001	J2410968002	J2410968004
				Date/ Time Sampled		7/24/2024 9:25	7/23/2024 13:00	7/24/2024 14:50	7/26/2024 8:30	7/26/2024 8:30	7/23/2024 11:45	7/29/2024 14:45	7/29/2024 11:30	7/26/2024 9:30	7/26/2024 11:50
				Sample Interval (ft,bls)		13	16	15	15	15	13	18	17	10	19
Site Name	Bechara Lands DMMA			**Field Parameters**											
Site Location	San Juan, PR			pH		7.04	7.07	7.06			6.86	6.65	6.88	7.35	
Project Manager	Rick Levin, PG			Temperature (°C)		27.7	28.6	30.3			31.2	28.8	29.5	29.5	
Checked By	Karen Kalka			Conductivity (µs/cm)		17313	14884	6371	Purged Dry	Purge Dry	1873	22306	11505	1612	Purge Dry
				Dissolved oxygen (mg/L)		1.43	0.13	0.86			0.32	0.3	0.2	0.47	
				Turbidity (NTUs)		593	70.6	375			6.8	>5000	222	63.9	
				ORP (mV)		-79.1	-107.2	-78.9			-92.9	-67.0	-97.5	-93.7	
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Tap Water**	**EPA RSL MCL**	**TMW-12**	**TMW-13**	**TMW-14**	**TMW-15**	**TMW-15**	**TMW-16**	**TMW-17**	**TMW-18**	**TMW-19**	**TMW-20**
2,4,5-TRICHLOROPHENOL	95-95-4	DoD SW-846 8270D	ug/L	**120**	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
2,4,6-TRICHLOROPHENOL	88-06-2	DoD SW-846 8270D	ug/L	**1.20**	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
2,4-DICHLOROPHENOL	120-83-2	DoD SW-846 8270D	ug/L	**4.60**	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
2,4-DIMETHYLPHENOL	105-67-9	DoD SW-846 8270D	ug/L	**36**	--	6.1 U	5.6 U	11 U	45 U	NA	5.6 U	NA	11 U	5.6 U	5.6 U
2,4-DINITROPHENOL	51-28-5	DoD SW-846 8270D	ug/L	**3.90**	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
2,4-DINITROTOLUENE	121-14-2	DoD SW-846 8270D	ug/L	**0.24**	--	6.1 U	5.6 U	11 U	45 U	NA	5.6 U	NA	11 U	5.6 U	5.6 U
2,6-DINITROTOLUENE	606-20-2	DoD SW-846 8270D	ug/L	**0.049**	--	6.1 U	5.6 U	11 U	45 U	NA	5.6 U	NA	11 U	5.6 U	5.6 U
2-CHLORONAPHTHALENE	91-58-7	DoD SW-846 8270D	ug/L	**75**	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
2-CHLOROPHENOL	95-57-8	DoD SW-846 8270D	ug/L	**9.10**	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
2-METHYLPHENOL	95-48-7	DoD SW-846 8270D	ug/L	**93**	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
2-NITROANILINE	88-74-4	DoD SW-846 8270D	ug/L	**19**	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
2-NITROPHENOL	88-75-5	DoD SW-846 8270D	ug/L	--	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
3,3-DICHLOROBENZIDINE	91-94-1	DoD SW-846 8270D	ug/L	**0.13**	--	6.1 U	5.6 U	11 U	45 U	NA	5.6 U	NA	11 U	5.6 U	5.6 U
3,4-METHYLPHENOL	1319-77-3	DoD SW-846 8270D	ug/L	**150**	--	6.1 U	5.6 U	11 U	45 U	NA	5.6 U	NA	11 U	5.6 U	5.6 U
3-NITROANILINE	99-09-2	DoD SW-846 8270D	ug/L	--	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
4,6-DINITRO-2-METHYLPHENOL	534-52-1	DoD SW-846 8270D	ug/L	**0.15**	--	6.1 U	5.6 U	11 U	45 U	NA	5.6 U	NA	11 U	5.6 U	5.6 U
4-BROMOPHENYL PHENYL ETHER	101-55-3	DoD SW-846 8270D	ug/L	--	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
4-CHLORO-3-METHYLPHENOL	59-50-7	DoD SW-846 8270D	ug/L	**140**	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
4-CHLOROANILINE	106-47-8	DoD SW-846 8270D	ug/L	**0.37**	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	DoD SW-846 8270D	ug/L	--	--	6.1 U	5.6 U	11 U	45 U	NA	5.6 U	NA	11 U	5.6 U	5.6 U
4-NITROANILINE	100-01-6	DoD SW-846 8270D	ug/L	**3.80**	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
4-NITROPHENOL	100-02-7	DoD SW-846 8270D	ug/L	--	--	6.1 U	5.6 U	11 U	45 U	NA	5.6 U	NA	11 U	5.6 U	5.6 U
ACETOPHENONE	98-86-2	DoD SW-846 8270D	ug/L	**190**	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
bis(2-CHLOROETHOXY) METHANE	111-91-1	DoD SW-846 8270D	ug/L	**5.90**	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
bis(2-CHLOROETHYL) ETHER	111-44-4	DoD SW-846 8270D	ug/L	**0.014**	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
bis(2-CHLOROISOPROPYL) ETHER	39638-32-9	DoD SW-846 8270D	ug/L	--	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
bis(2-ETHYLHEXYL) PHTHALATE	117-81-7	DoD SW-846 8270D	ug/L	5.60	**6**	6.1 U	5.6 U	11 U	45 U	NA	5.6 U	NA	11 U	5.6 U	5.6 U
BUTYL BENZYL PHTHALATE	85-68-7	DoD SW-846 8270D	ug/L	**16**	--	6.1 U	5.6 U	11 U	45 U	NA	5.6 U	NA	11 U	5.6 U	5.6 U
CARBAZOLE (DIBENZOPYRROLE)	86-74-8	DoD SW-846 8270D	ug/L	--	--	0.24 U	0.22 U	0.45 U	1.8 U	NA	0.22 U	NA	0.44 U	0.22 U	0.22 U
DI-n-BUTYL PHTHALATE	84-74-2	DoD SW-846 8270D	ug/L	**90**	--	6.1 U	5.6 U	11 U	45 U	NA	5.6 U	NA	11 U	5.6 U	5.6 U
DI-n-OCTYLPHTHALATE	117-84-0	DoD SW-846 8270D	ug/L	**20**	--	6.1 U	5.6 U	11 U	45 U	NA	5.6 U	NA	11 U	5.6 U	5.6 U
DIBENZOFURAN	132-64-9	DoD SW-846 8270D	ug/L	**0.79**	--	0.24 U	0.22 U	0.45 U	1.8 U	NA	0.22 U	NA	0.44 U	0.22 U	0.22 U
DIETHYL PHTHALATE	84-66-2	DoD SW-846 8270D	ug/L	**1500**	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
DIMETHYL PHTHALATE	131-11-3	DoD SW-846 8270D	ug/L	--	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
HEXACHLOROBENZENE	118-74-1	DOD SW-846 8081B	ug/L	0.0098	**1**	0.02 U	0.02 U	0.02 U	0.5 U	0.02 U	0.02 U	0.02 U	0.02 U	0.2 U	NA
HEXACHLOROBENZENE	118-74-1	DoD SW-846 8270D	ug/L	0.0098	**1**	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
HEXACHLOROBUTADIENE	87-68-3	DoD SW-846 8270D	ug/L	**0.14**	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
HEXACHLOROCYCLOPENTADIENE	77-47-4	DoD SW-846 8270D	ug/L	0.041	**50**	6.1 U	5.6 U	11 U	45 U	NA	5.6 U	NA	11 U	5.6 U	5.6 U
HEXACHLOROETHANE	67-72-1	DoD SW-846 8270D	ug/L	**0.33**	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
ISOPHORONE	78-59-1	DoD SW-846 8270D	ug/L	**78**	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
n-NITROSODI-n-PROPYLAMINE	621-64-7	DoD SW-846 8270D	ug/L	**0.011**	--	6.1 U	5.6 U	11 U	45 U	NA	5.6 U	NA	11 U	5.6 U	5.6 U
n-NITROSODIPHENYLAMINE	86-30-6	DoD SW-846 8270D	ug/L	**12**	--	6.1 U	5.6 U	11 U	45 U	NA	5.6 U	NA	11 U	5.6 U	5.6 U
NITROBENZENE	98-95-3	DoD SW-846 8270D	ug/L	**0.14**	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U
PENTACHLOROPHENOL	87-86-5	DoD SW-846 8270D	ug/L	0.041	**1**	2.3 U	2.1 U	4.3 U	17 U	NA	2.1 U	NA	4.2 U	2.1 U	2.1 U
PHENOL	108-95-2	DoD SW-846 8270D	ug/L	**580**	--	3 U	2.8 U	5.7 U	23 U	NA	2.8 U	NA	5.6 U	2.8 U	2.8 U

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units
µg/L - micrograms per liter
NA - Not analyzed

TABLE 11
GROUNDWATER SAMPLING ANALYTICAL RESULTS - TMW Grab Samples - Carcinogenic PAHs
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

				Lab Sample ID		J2410968005	J2411335002	J2411335001	J2411215009	J2411215005	J2411335003	J2411215006	J2411215004	J2411215007	J2411215008
				Date/ Time Sampled		7/26/2024 12:45	8/1/2024 12:40	8/1/2024 11:10	7/31/2024 10:30	7/30/2024 13:00	8/1/2024 14:15	7/31/2024 8:35	7/30/2024 10:40	7/31/2024 9:30	7/31/2024 11:15
				Sample Interval (ft,bls)		18	15	15	19	13	15	20	13	14	17
Site Name	Bechara Lands DMMA			**Field Parameters**											
Site Location	San Juan, PR			pH		Purge Dry	7.84	6.84	Purged Dry	6.87	7.11	Purged Dry	6.74	Purged Dry	6.87
Project Manager	Rick Levin, PG			Temperature (°C)			29.6	26.9		30.3	28.1		29.7		28.6
Checked By	Karen Kalka			Conductivity (µs/cm)			14225	11037		13131	27247		17522		13754
				Dissolved oxygen (mg/L)			0.18	1.8		1.00	0.2		1.58		1.78
				Turbidity (NTUs)			>1000	650		9.96	506		29.6		268
				ORP (mV)			-150.4	-31.2		-20.3	-90.6		33.3		-8.4
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Tap Water**	**EPA RSL MCL**	**TMW-1**	**TMW-2**	**TMW-3**	**TMW-4**	**TMW-5**	**TMW-6**	**TMW-7**	**TMW-8**	**TMW-9**	**TMW-10**
BENZO(a)ANTHRACENE	56-55-3	DoD SW-846 8270D	ug/L	**0.03**	--	0.11 U	0.11 U	0.11 U	0.22 U	0.22 U	0.11 U	0.22 U	0.22 U	0.22 U	0.22 U
BENZO(a)PYRENE	50-32-8	DoD SW-846 8270D	ug/L	0.03	**0.20**	0.23 U	0.22 U	0.21 U	0.45 U	0.44 U	0.22 U	0.45 U	0.44 U	0.44 U	0.44 U
BENZO(b)FLUORANTHENE	205-99-2	DoD SW-846 8270D	ug/L	**0.25**	--	0.11 U	0.11 U	0.11 U	0.22 U	0.22 U	0.11 U	0.22 U	0.22 U	0.22 U	0.22 U
BENZO(k)FLUORANTHENE	207-08-9	DoD SW-846 8270D	ug/L	**2.50**	--	0.23 U	0.22 U	0.21 U	0.45 U	0.44 U	0.22 U	0.45 U	0.44 U	0.44 U	0.44 U
CHRYSENE	218-01-9	DoD SW-846 8270D	ug/L	**25**	--	0.23 U	0.22 U	0.21 U	0.45 U	0.44 U	0.22 U	0.45 U	0.44 U	0.44 U	0.44 U
DIBENZ(a,h)ANTHRACENE	53-70-3	DoD SW-846 8270D	ug/L	**0.025**	--	0.23 U	0.22 U	0.21 U	0.45 U	0.44 U	0.22 U	0.45 U	0.44 U	0.44 U	0.44 U
INDENO(1,2,3-c,d)PYRENE	193-39-5	DoD SW-846 8270D	ug/L	**0.25**	--	0.11 U	0.11 U	0.11 U	0.22 U	0.22 U	0.11 U	0.22 U	0.22 U	0.22 U	0.22 U

				Lab Sample ID		J2410907002	J2410907003	J2410907004	J2411215010	J2411215011	J2410907001	J2410968003	J2411215001	J2410968002	J2410968004
				Date/ Time Sampled		7/23/2024 14:35	7/24/2024 9:25	7/23/2024 13:00	7/24/2024 14:50	7/26/2024 8:30	7/23/2024 11:45	7/26/2024 11:00	7/29/2024 11:30	7/26/2024 9:30	7/26/2024 11:50
				Sample Interval (ft,bls)		13	13	16	15	15	13	18	17	10	19
Site Name	Bechara Lands DMMA			**Field Parameters**											
Site Location	San Juan, PR			pH		7.06	7.04	7.07	7.06	Purged Dry	6.86	6.65	6.88	7.35	Purge Dry
Project Manager	Rick Levin, PG			Temperature (°C)		28.4	27.7	28.6	30.3		31.2	28.8	29.5	29.5	
Checked By	Karen Kalka			Conductivity (µs/cm)		11339	17313	14884	6371		1873	22306	11505	1612	
				Dissolved oxygen (mg/L)		0.18	1.43	0.13	0.86		0.32	0.3	0.2	0.47	
				Turbidity (NTUs)		7.3	593	70.6	375		6.8	>5000	222	63.9	
				ORP (mV)		-133.6	-79.1	-107.2	-78.9		-92.9	-67	-97.5	-93.7	
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Tap Water**	**EPA RSL MCL**	**TMW-11**	**TMW-12**	**TMW-13**	**TMW-14**	**TMW-15**	**TMW-16**	**TMW-17**	**TMW-18**	**TMW-19**	**TMW-20**
BENZO(a)ANTHRACENE	56-55-3	DoD SW-846 8270D	ug/L	**0.03**	--	0.099 U	0.12 U	0.11 U	0.22 U	0.9 U	0.11 U	NA	0.22 U	0.11 U	0.11 U
BENZO(a)PYRENE	50-32-8	DoD SW-846 8270D	ug/L	0.03	**0.20**	0.2 U	0.24 U	0.22 U	0.45 U	1.8 U	0.22 U	NA	0.44 U	0.22 U	0.22 U
BENZO(b)FLUORANTHENE	205-99-2	DoD SW-846 8270D	ug/L	**0.25**	--	0.099 U	0.12 U	0.11 U	0.22 U	0.9 U	0.11 U	NA	0.22 U	0.11 U	0.11 U
BENZO(k)FLUORANTHENE	207-08-9	DoD SW-846 8270D	ug/L	**2.50**	--	0.2 U	0.24 U	0.22 U	0.45 U	1.8 U	0.22 U	NA	0.44 U	0.22 U	0.22 U
CHRYSENE	218-01-9	DoD SW-846 8270D	ug/L	**25**	--	0.2 U	0.24 U	0.22 U	0.45 U	1.8 U	0.22 U	NA	0.44 U	0.22 U	0.22 U
DIBENZ(a,h)ANTHRACENE	53-70-3	DoD SW-846 8270D	ug/L	**0.025**	--	0.2 U	0.24 U	0.22 U	0.45 U	1.8 U	0.22 U	NA	0.44 U	0.22 U	0.22 U
INDENO(1,2,3-c,d)PYRENE	193-39-5	DoD SW-846 8270D	ug/L	**0.25**	--	0.099 U	0.12 U	0.11 U	0.22 U	0.9 U	0.11 U	NA	0.22 U	0.11 U	0.11 U

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units
µg/L - micrograms per liter
NA - Not analyzed

TABLE 12
GROUNDWATER SAMPLING ANALYTICAL RESULTS - TMW Grab Samples - Non-Carcinogenic PAHs
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

				Lab Sample ID		J2410968005	J2411335002	J2411335001	J2411215009	J2411215005	J2411335003	J2411215006	J2411215004	J2411215007	J2411215008
				Date/ Time Sampled		7/26/2024 12:45	8/1/2024 12:40	8/1/2024 11:10	7/31/2024 10:30	7/30/2024 13:00	8/1/2024 14:15	7/31/2024 8:35	7/30/2024 10:40	7/31/2024 9:30	7/31/2024 11:15
				Sample Interval (ft,bls)		18	15	15	19	13	15	20	13	14	17
Site Name	Bechara Lands DMMA			**Field Parameters**											
Site Location	San Juan, PR			pH		Purge Dry	7.84	6.84	Purged Dry	6.87	7.11	Purged Dry	6.74	Purged Dry	6.87
Project Manager	Rick Levin, PG			Temperature (°C)			29.6	26.9		30.3	28.1		29.7		28.6
Checked By	Karen Kalka			Conductivity (µs/cm)			14225	11037		13131	27247		17522		13754
				Dissolved oxygen (mg/L)			0.18	1.8		1.00	0.2		1.58		1.78
				Turbidity (NTUs)			>1000	650		9.96	506		29.6		268
				ORP (mV)			-150.4	-31.2		-20.3	-90.6		33.3		-8.4
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Tap Water**	**EPA RSL MCL**	**TMW-1**	**TMW-2**	**TMW-3**	**TMW-4**	**TMW-5**	**TMW-6**	**TMW-7**	**TMW-8**	**TMW-9**	**TMW-10**
2-METHYLNAPHTHALENE	91-57-6	DoD SW-846 8270D	ug/L	**3.60**	--	0.23 U	0.22 U	0.21 U	0.45 U	0.44 U	0.22 U	0.45 U	0.44 U	0.44 U	0.44 U
ACENAPHTHENE	83-32-9	DoD SW-846 8270D	ug/L	**53**	--	0.23 U	0.22 U	0.21 U	0.45 U	0.44 U	0.22 U	0.45 U	0.44 U	0.44 U	0.44 U
ACENAPHTHYLENE	208-96-8	DoD SW-846 8270D	ug/L	--	--	0.23 U	0.22 U	0.21 U	0.45 U	0.44 U	0.22 U	0.45 U	0.44 U	0.44 U	0.44 U
ANTHRACENE	120-12-7	DoD SW-846 8270D	ug/L	**180**	--	0.23 U	0.22 U	0.21 U	0.45 U	0.44 U	0.22 U	0.45 U	0.44 U	0.44 U	0.44 U
BENZO(g,h,i)PERYLENE	191-24-2	DoD SW-846 8270D	ug/L	--	--	0.23 U	0.22 U	0.21 U	0.45 U	0.44 U	0.22 U	0.45 U	0.44 U	0.44 U	0.44 U
FLUORANTHENE	206-44-0	DoD SW-846 8270D	ug/L	**80**	--	0.23 U	0.22 U	0.21 U	0.45 U	0.44 U	0.22 U	0.45 U	0.44 U	0.44 U	0.44 U
FLUORENE	86-73-7	DoD SW-846 8270D	ug/L	**29**	--	0.23 U	0.22 U	0.21 U	0.45 U	0.44 U	0.22 U	0.45 U	0.44 U	0.44 U	0.44 U
NAPHTHALENE	91-20-3	DoD SW-846 8270D	ug/L	**0.12**	--	0.23 U	0.22 U	0.21 U	0.45 U	0.44 U	0.22 U	0.45 U	0.44 U	0.44 U	0.44 U
PHENANTHRENE	85-01-8	DoD SW-846 8270D	ug/L	--	--	0.23 U	0.22 U	0.21 U	0.45 U	0.44 U	0.22 U	0.45 U	0.44 U	0.44 U	0.44 U
PYRENE	129-00-0	DoD SW-846 8270D	ug/L	**12**	--	0.23 U	0.22 U	0.21 U	0.45 U	0.44 U	0.22 U	0.45 U	0.44 U	0.44 U	0.44 U

				Lab Sample ID		J2410907002	J2410907003	J2410907004	J2411215010	J2411215011	J2410907001	J2410968003	J2411215001	J2410968002	J2410968004
				Date/ Time Sampled		7/23/2024 14:35	7/24/2024 9:25	7/23/2024 13:00	7/24/2024 14:50	7/26/2024 8:30	7/23/2024 11:45	7/26/2024 11:00	7/29/2024 11:30	7/26/2024 9:30	7/26/2024 11:50
				Sample Interval (ft,bls)		13	13	16	15	15	13	18	17	10	19
Site Name	Bechara Lands DMMA			**Field Parameters**											
Site Location	San Juan, PR			pH		7.06	7.04	7.07	7.06	Purged Dry	6.86	6.65	6.88	7.35	Purge Dry
Project Manager	Rick Levin, PG			Temperature (°C)		28.4	27.7	28.6	30.3		31.2	28.8	29.5	29.5	
Checked By	Karen Kalka			Conductivity (µs/cm)		11339	17313	14884	6371		1873	22306	11505	1612	
				Dissolved oxygen (mg/L)		0.18	1.43	0.13	0.86		0.32	0.3	0.2	0.47	
				Turbidity (NTUs)		7.3	593	70.6	375		6.8	>5000	222	63.9	
				ORP (mV)		-133.6	-79.1	-107.2	-78.9		-92.9	-67	-97.5	-93.7	
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Tap Water**	**EPA RSL MCL**	**TMW-11**	**TMW-12**	**TMW-13**	**TMW-14**	**TMW-15**	**TMW-16**	**TMW-17**	**TMW-18**	**TMW-19**	**TMW-20**
2-METHYLNAPHTHALENE	91-57-6	DoD SW-846 8270D	ug/L	**3.60**	--	0.2 U	0.24 U	0.22 U	0.45 U	1.8 U	0.22 U	NA	0.44 U	0.22 U	0.22 U
ACENAPHTHENE	83-32-9	DoD SW-846 8270D	ug/L	**53**	--	0.2 U	0.24 U	0.22 U	0.45 U	1.8 U	0.18 J	NA	0.44 U	0.22 U	0.22 U
ACENAPHTHYLENE	208-96-8	DoD SW-846 8270D	ug/L	--	--	0.2 U	0.24 U	0.22 U	0.45 U	1.8 U	0.22 U	NA	0.44 U	0.22 U	0.22 U
ANTHRACENE	120-12-7	DoD SW-846 8270D	ug/L	**180**	--	0.2 U	0.24 U	0.22 U	0.45 U	1.8 U	0.22 U	NA	0.44 U	0.22 U	0.22 U
BENZO(g,h,i)PERYLENE	191-24-2	DoD SW-846 8270D	ug/L	--	--	0.2 U	0.24 U	0.22 U	0.45 U	1.8 U	0.22 U	NA	0.44 U	0.22 U	0.22 U
FLUORANTHENE	206-44-0	DoD SW-846 8270D	ug/L	**80**	--	0.2 U	0.24 U	0.22 U	0.45 U	1.8 U	0.22 U	NA	0.44 U	0.22 U	0.22 U
FLUORENE	86-73-7	DoD SW-846 8270D	ug/L	**29**	--	0.2 U	0.24 U	0.22 U	0.45 U	1.8 U	0.22 U	NA	0.44 U	0.22 U	0.22 U
NAPHTHALENE	91-20-3	DoD SW-846 8270D	ug/L	**0.12**	--	0.2 U	0.24 U	0.22 U	0.45 U	1.8 U	0.22 U	NA	0.44 U	0.22 U	0.22 U
PHENANTHRENE	85-01-8	DoD SW-846 8270D	ug/L	--	--	0.2 U	0.24 U	0.22 U	0.45 U	1.8 U	0.22 U	NA	0.44 U	0.22 U	0.22 U
PYRENE	129-00-0	DoD SW-846 8270D	ug/L	**12**	--	0.2 U	0.24 U	0.22 U	0.45 U	1.8 U	0.22 U	NA	0.44 U	0.22 U	0.22 U

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units
µg/L - micrograms per liter
NA - Not analyzed

TABLE 13
GROUNDWATER SAMPLING ANALYTICAL RESULTS - TMW Grab Samples - Metals
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

				Lab Sample ID	J2410968005	J2411335002	J2411335001	J2411215009	J2411215005	J2411335003	J2411215006	J2411215004	J2411215007	J2411215008	J2410907002
				Date/ Time Sampled	7/26/2024 12:45	8/1/2024 12:40	8/1/2024 11:10	7/31/2024 10:30	7/30/2024 13:00	8/1/2024 14:15	7/31/2024 8:35	7/30/2024 10:40	7/31/2024 9:30	7/31/2024 11:15	7/23/2024 14:35
				Sample Interval (ft,bls)	18	15	15	19	13	15	20	13	14	17	13
Site Name	Bechara Lands DMMA			**Field Parameters**											
Site Location	San Juan, PR			pH	Purge Dry	7.84	6.84	Purged Dry	6.87	7.11	Purged Dry	6.74	Purged Dry	6.87	7.06
Project Manager	Rick Levin, PG			Temperature (°C)		29.6	26.9		30.3	28.1		29.7		28.6	28.4
Checked By	Karen Kalka			Conductivity (µs/cm)		14225	11037		13131	27247		17522		13754	11339
				Dissolved oxygen (mg/L)		0.18	1.8		1.00	0.2		1.58		1.78	0.18
				Turbidity (NTUs)		>1000	650		9.96	506		29.6		268	7.3
				ORP (mV)		-150.4	-31.2		-20.3	-90.6		33.3		-8.4	-133.6
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Tap Water**	**EPA RSL MCL**	**TMW-1**	**TMW-2**	**TMW-3**	**TMW-4**	**TMW-5**	**TMW-6**	**TMW-7**	**TMW-8**	**TMW-9**	**TMW-10**	**TMW-11**
ANTIMONY	7440-36-0	DoD SW-846 6020A	ug/L	0.78	**6**	10 U	5.1	2 U	2 U	2 U	10 U	10 U	10 U	2 U	2 U	2 U
ARSENIC	7440-38-2	DoD SW-846 6020A	ug/L	0.052	**10**	4.8	7.5	**33**	6.2	1.4	**19**	**18**	1.8 J	**31**	7.3	**49**
BARIUM	7440-39-3	DoD SW-846 6020A	ug/L	380	**2000**	260	710	220	540	75	220	93	42	240	76	500
BERYLLIUM	7440-41-7	DoD SW-846 6020A	ug/L	2.50	**4**	10 U	2 U	2 U	10 U	2 U	10 U	10 U	10 U	2 U	2 U	2 U
CADMIUM	7440-43-9	DoD SW-846 6020A	ug/L	--	--	2.5 U	5.1	10 U	0.5 U	0.5 U	2.5 U	2.5 U	2.5 U	5 U	0.5 U	0.5 U
CHROMIUM	7440-47-3	DoD SW-846 6020A	ug/L	--	**100**	8.4 J	48	79	5 U	1.3 J	58	28	5 U	82	17	0.73 J
COPPER	7440-50-8	DoD SW-846 6020A	ug/L	80	**1300**	31	110	120	10 U	4.8	81	48	10 U	120	27	1 J
LEAD	7439-92-1	DoD SW-846 6020A	ug/L	15	**15**	**23**	**640**	**42**	5 U	5 U	**34**	**36**	5 U	**30**	11	0.94 J
MERCURY	7439-97-6	DoD SW-846 7470A	ug/L	0.063	**2**	0.015 J	**2.8**	0.28	0.018 J	0.012 J	0.17	0.077 J	0.019 J	0.2	0.061 J	0.04 U
NICKEL	7440-02-0	DoD SW-846 6020A	ug/L	**39**	--	**44**	**42**	**73** J	31	39	**71**	**110**	**49**	**68**	**51**	8.9
SELENIUM	7782-49-2	DoD SW-846 6020A	ug/L	10	**50**	2.5 U	2.5 U	50 U	12 U	2.5 U	12 U	12 U	12 U	25 U	2.5 U	2.5 U
SILVER	7440-22-4	DoD SW-846 6020A	ug/L	**9.40**	--	5 U	3	20 U	1 U	1 U	5 U	5 U	5 U	10 U	1 U	1 U
THALLIUM	7440-28-0	DoD SW-846 6020A	ug/L	0.02	**2**	2.5 U	0.5 U	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.5 U
ZINC	7440-66-6	DoD SW-846 6020A	ug/L	**600**	--	72 J	510	240 U	60 U	9.6 J	44 J	46 J	60 U	69 J	37	12 J

				Lab Sample ID	J2410907003	J2410907004	J2411215010	J2411215011	J2410968001	J2410907001	J2410968003	J2411215001	J2410968002	J2410968004
				Date/ Time Sampled	7/24/2024 9:25	7/23/2024 13:00	7/24/2024 14:50	7/26/2024 8:30	7/26/2024 8:30	7/23/2024 11:45	7/26/2024 11:00	7/29/2024 11:30	7/26/2024 9:30	7/26/2024 11:50
				Sample Interval (ft,bls)	13	16	15	15	15	13	18	17	10	19
Site Name	Bechara Lands DMMA			**Field Parameters**										
Site Location	San Juan, PR			pH	7.04	7.07	7.06	Purged Dry	Purge Dry	6.86	6.65	6.88	7.35	Purge Dry
Project Manager	Rick Levin, PG			Temperature (°C)	27.7	28.6	30.3			31.2	28.8	29.5	29.5	
Checked By	Karen Kalka			Conductivity (µs/cm)	17313	14884	6371			1873	22306	11505	1612	
				Dissolved oxygen (mg/L)	1.43	0.13	0.86			0.32	0.3	0.2	0.47	
				Turbidity (NTUs)	593	70.6	375			6.8	>5000	222	63.9	
				ORP (mV)	-79.1	-107.2	-78.9			-92.9	-67	-97.5	-93.7	
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Tap Water**	**EPA RSL MCL**	**TMW-12**	**TMW-13**	**TMW-14**	**TMW-15**	**TMW-15**	**TMW-16**	**TMW-17**	**TMW-18**	**TMW-19**	**TMW-20**
ANTIMONY	7440-36-0	DoD SW-846 6020A	ug/L	0.78	**6**	1.1 J	2 U	2 U	1.3 J	1.5 J	2 U	1.3 J	2 U	2 U	10 U
ARSENIC	7440-38-2	DoD SW-846 6020A	ug/L	0.052	**10**	**13**	**15**	**13**	**14**	**16**	**43**	4.4	2.1	2	5.2
BARIUM	7440-39-3	DoD SW-846 6020A	ug/L	380	**2000**	630	220	150	540	690	220	**4500**	320	200	210
BERYLLIUM	7440-41-7	DoD SW-846 6020A	ug/L	2.50	**4**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U
CADMIUM	7440-43-9	DoD SW-846 6020A	ug/L	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.92 J	0.62 J	0.5 U	2.5 U
CHROMIUM	7440-47-3	DoD SW-846 6020A	ug/L	--	**100**	10	1.7 J	1.7 J	4.2	2.8	1 U	18	3.2	1.6 J	35
COPPER	7440-50-8	DoD SW-846 6020A	ug/L	80	**1300**	17	2 J	2.5 J	110	39	2 U	95	76	5.9	43
LEAD	7439-92-1	DoD SW-846 6020A	ug/L	15	**15**	**18**	5 U	2.7	9.3	3.2 J	0.51 J	**200**	**18**	13	**65**
MERCURY	7439-97-6	DoD SW-846 7470A	ug/L	0.063	**2**	0.04 U	0.04 U	0.02 J	0.034 J	0.019 J	0.23	0.074 J	0.071 J	0.046 J	0.03 J
NICKEL	7440-02-0	DoD SW-846 6020A	ug/L	**39**	--	21	16	8.9	16	13	2.5 J	28	21	1.9 J	**55**
SELENIUM	7782-49-2	DoD SW-846 6020A	ug/L	10	**50**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U
SILVER	7440-22-4	DoD SW-846 6020A	ug/L	**9.40**	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
THALLIUM	7440-28-0	DoD SW-846 6020A	ug/L	0.02	**2**	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	2.5 U
ZINC	7440-66-6	DoD SW-846 6020A	ug/L	**600**	--	31	16 J	17 J	130	81	19 J	200	62	29	150

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units
µg/L - micrograms per liter
NA - Not analyzed

TABLE 14
GROUNDWATER SAMPLING ANALYTICAL RESULTS - TMW Grab Samples - Pesticides Herbicides PCBs
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

				Lab Sample ID		J2410968005	J2411335002	J2411335001	J2411215009	J2411215005	J2411335003	J2411215006	J2411215004	J2411215007	J2411215008	J2410907002
				Date/ Time Sampled		7/26/2024 12:45	8/1/2024 12:40	8/1/2024 11:10	7/31/2024 10:30	7/30/2024 13:00	8/1/2024 14:15	7/31/2024 8:35	7/30/2024 10:40	7/31/2024 9:30	7/31/2024 11:15	7/23/2024 14:35
				Sample Interval (ft,bls)		18	15	15	19	13	15	20	13	14	17	13
Site Name	Bechara Lands DMMA			**Field Parameters**												
Site Location	San Juan, PR			pH			7.84	6.84		6.87	7.11		6.74		6.87	7.06
Project Manager	Rick Levin, PG			Temperature (°C)			29.6	26.9		30.3	28.1		29.7		28.6	28.4
Checked By	Karen Kalka			Conductivity (µs/cm)		Purge Dry	14225	11037	Purged Dry	13131	27247	Purged Dry	17522	Purged Dry	13754	11339
				Dissolved oxygen (mg/L)			0.18	1.8		1.00	0.2		1.58		1.78	0.18
				Turbidity (NTUs)			>1000	650		9.96	506		29.6		268	7.3
				ORP (mV)			-150.4	-31.2		-20.3	-90.6		33.3		-8.4	-133.6
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Tap Water**	**EPA RSL MCL**	**TMW-1**	**TMW-2**	**TMW-3**	**TMW-4**	**TMW-5**	**TMW-6**	**TMW-7**	**TMW-8**	**TMW-9**	**TMW-10**	**TMW-11**
ALDRIN	309-00-2	DOD SW-846 8081B	ug/L	**0.00092**	--	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
alpha-BHC	319-84-6	DOD SW-846 8081B	ug/L	**0.0072**	--	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
alpha-CHLORDANE	5103-71-9	DOD SW-846 8081B	ug/L	**0.36**	--	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
ATRAZINE	1912-24-9	DoD SW-846 8141B	ug/L	0.30	**3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
ATRAZINE	1912-24-9	DoD SW-846 8270D	ug/L	0.30	**3**	5.7 U	5.6 U	5.3 U	11 U	11 U	5.6 U	11 U	11 U	11 U	11 U	5 U
AZINPHOS-METHYL	86-50-0	DoD SW-846 8141B	ug/L	**5.60**	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
beta-BHC	319-85-7	DOD SW-846 8081B	ug/L	**0.025**	--	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
CHLORDANE	57-74-9	DOD SW-846 8081B	ug/L	--	--	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
CHLORPYRIFOS	2921-88-2	DoD SW-846 8141B	ug/L	**0.84**	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
CHLORPYRIFOS-METHYL	5598-13-0	DoD SW-846 8141B	ug/L	**12**	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
delta-BHC	319-86-8	DOD SW-846 8081B	ug/L	--	--	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
DEMETON	8065-48-3	DoD SW-846 8141B	ug/L	**0.042**	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
DIAZINON	333-41-5	DoD SW-846 8141B	ug/L	**1**	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
DIELDRIN	60-57-1	DOD SW-846 8081B	ug/L	**0.0018**	--	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
DIMETHOATE	60-51-5	DoD SW-846 8141B	ug/L	**4.4**	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
DISULFOTON	298-04-4	DoD SW-846 8141B	ug/L	**0.05**	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
ENDOSULFAN I	959-98-8	DOD SW-846 8081B	ug/L	--	--	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
ENDOSULFAN II	33213-65-9	DOD SW-846 8081B	ug/L	--	--	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
ENDOSULFAN SULFATE	1031-07-8	DOD SW-846 8081B	ug/L	**11**	--	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
ENDRIN	72-20-8	DOD SW-846 8081B	ug/L	0.23	**2**	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
ENDRIN ALDEHYDE	7421-93-4	DOD SW-846 8081B	ug/L	--	--	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
ENDRIN KETONE	53494-70-5	DOD SW-846 8081B	ug/L	--	--	0.04 U	0.4 U	0.04 U	0.04 U	0.04 U	0.4 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
ETHION	563-12-2	DoD SW-846 8141B	ug/L	**0.43**	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
ETHOPROP	13194-48-4	DoD SW-846 8141B	ug/L	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
FAMPHUR	52-85-7	DoD SW-846 8141B	ug/L	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
FENSULFOTHION	115-90-2	DoD SW-846 8141B	ug/L	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
FONOPHOS	944-22-9	DoD SW-846 8141B	ug/L	**2.40**	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
gamma-BHC (LINDANE)	58-89-9	DOD SW-846 8081B	ug/L	0.042	**0.20**	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
gamma-CHLORDANE	5103-74-2	DOD SW-846 8081B	ug/L	1.00	--	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
HEPTACHLOR	76-44-8	DOD SW-846 8081B	ug/L	0.0014	**0.40**	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
HEPTACHLOR EPOXIDE	1024-57-3	DOD SW-846 8081B	ug/L	0.0014	**0.20**	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
MALATHION	121-75-5	DoD SW-846 8141B	ug/L	**39**	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
MERPHOS	150-50-5	DoD SW-846 8141B	ug/L	**0.06**	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
METHOXYCHLOR	72-43-5	DOD SW-846 8081B	ug/L	3.70	**40**	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
MEVINPHOS	7786-34-7	DoD SW-846 8141B	ug/L	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
p,p-DDD	72-54-8	DOD SW-846 8081B	ug/L	**0.032**	--	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
p,p-DDE	72-55-9	DOD SW-846 8081B	ug/L	**0.046**	--	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
p,p-DDT	50-29-3	DOD SW-846 8081B	ug/L	**0.23**	--	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
PARATHION, ETHYL	56-38-2	DoD SW-846 8141B	ug/L	**8.60**	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
PARATHION, METHYL	298-00-0	DoD SW-846 8141B	ug/L	**0.45**	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
PCB-1016	12674-11-2	DoD SW-846 8082A	ug/L	**0.14**	--	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	2.5 U	0.36 U	0.25 U	2.5 U	0.25 U	0.25 U
PCB-1221	11104-28-2	DoD SW-846 8082A	ug/L	**0.0047**	--	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	2.5 U	0.36 U	0.25 U	2.5 U	0.25 U	0.25 U
PCB-1232	11141-16-5	DoD SW-846 8082A	ug/L	**0.0047**	--	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	2.5 U	0.36 U	0.25 U	2.5 U	0.25 U	0.25 U
PCB-1242	53469-21-9	DoD SW-846 8082A	ug/L	**0.0078**	--	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	2.5 U	0.36 U	0.25 U	2.5 U	0.25 U	0.25 U
PCB-1248	12672-29-6	DoD SW-846 8082A	ug/L	**0.0078**	--	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	2.5 U	0.36 U	0.25 U	2.5 U	0.25 U	0.25 U
PCB-1254	11097-69-1	DoD SW-846 8082A	ug/L	**0.0078**	--	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	2.5 U	0.36 U	0.25 U	2.5 U	0.25 U	0.25 U
PCB-1260	11096-82-5	DoD SW-846 8082A	ug/L	**0.0078**	--	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	2.5 U	0.36 U	0.25 U	2.5 U	0.25 U	0.25 U
PHORATE	298-02-2	DoD SW-846 8141B	ug/L	**0.30**	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
PHOSMET	732-11-6	DoD SW-846 8141B	ug/L	**37**	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
RONNEL	299-84-3	DoD SW-846 8141B	ug/L	**41**	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
SIMAZINE	122-34-9	DoD SW-846 8141B	ug/L	0.61	**4**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
TETRAETHYLDITHIOPYROPHOSPHATE	3689-24-5	DoD SW-846 8141B	ug/L	**0.71**	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.29 U	0.2 U	0.2 U	0.2 U	0.2 U
TOXAPHENE	8001-35-2	DOD SW-846 8081B	ug/L	0.071	**3**	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Endosulfan (alpha+beta+sulfate)	115-29-7	Calculation	ug/L	**10**	--	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Heptachlor (and its epoxide)	D031	Calculation	ug/L	--	--	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
PCBs (or Aroclor mixture)	1336-36-3	Calculation	ug/L	--	**0.50**	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	2.5 U	0.36 U	0.25 U	2.5 U	0.25 U	0.25 U

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units
µg/L - micrograms per liter
NA - Not analyzed

TABLE 14
GROUNDWATER SAMPLING ANALYTICAL RESULTS - TMW Grab Samples - Pesticides Herbicides PCBs
Rio Puerto Nuevo (Bechara Lands) DMMA BEA
San Juna, Puerto Rico

				Lab Sample ID		J2410907003	J2410907004	J2411215010	J2411215011	J2410968001	J2410907001	J2411215002	J2411215001	J2410968002	J2410968004
				Date/ Time Sampled		7/24/2024 9:25	7/23/2024 13:00	7/24/2024 14:50	7/26/2024 8:30	7/26/2024 8:30	7/23/2024 11:45	7/29/2024 14:45	7/29/2024 11:30	7/26/2024 9:30	7/26/2024 11:50
				Sample Interval (ft,bls)		13	16	15	15	15	13	18	17	10	19
Site Name	Bechara Lands DMMA			**Field Parameters**											
Site Location	San Juan, PR			pH		7.04	7.07	7.06	Purged Dry	Purge Dry	6.86	6.65	6.88	7.35	Purge Dry
Project Manager	Rick Levin, PG			Temperature (°C)		27.7	28.6	30.3			31.2	28.8	29.5	29.5	
Checked By	Karen Kalka			Conductivity (µs/cm)		17313	14884	6371			1873	22306	11505	1612	
				Dissolved oxygen (mg/L)		1.43	0.13	0.86			0.32	0.3	0.2	0.47	
				Turbidity (NTUs)		593	70.6	375			6.8	>5000	222	63.9	
				ORP (mV)		-79.1	-107.2	-78.9			-92.9	-67.0	-97.5	-93.7	
Analyte	**CAS #**	**Method**	**Units**	**EPA RSL Tap Water**	**EPA RSL MCL**	**TMW-12**	**TMW-13**	**TMW-14**	**TMW-15**	**TMW-15**	**TMW-16**	**TMW-17**	**TMW-18**	**TMW-19**	**TMW-20**
ALDRIN	309-00-2	DOD SW-846 8081B	ug/L	**0.00092**	--	0.005 U	0.005 U	0.005 U	0.12 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	NA
alpha-BHC	319-84-6	DOD SW-846 8081B	ug/L	**0.0072**	--	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	NA
alpha-CHLORDANE	5103-71-9	DOD SW-846 8081B	ug/L	**0.36**	--	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	NA
ATRAZINE	1912-24-9	DoD SW-846 8141B	ug/L	0.30	**3**	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
ATRAZINE	1912-24-9	DoD SW-846 8270D	ug/L	0.30	**3**	6.1 U	5.6 U	11 U	45 U	NA	5.6 U	NA	11 U	5.6 U	5.6 U
AZINPHOS-METHYL	86-50-0	DoD SW-846 8141B	ug/L	**5.60**	--	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
beta-BHC	319-85-7	DOD SW-846 8081B	ug/L	**0.025**	--	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	NA
CHLORDANE	57-74-9	DOD SW-846 8081B	ug/L	--	--	0.25 U	0.25 U	0.25 U	6.2 U	0.25 U	0.25 U	0.25 U	0.25 U	2.5 U	NA
CHLORPYRIFOS	2921-88-2	DoD SW-846 8141B	ug/L	**0.84**	--	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
CHLORPYRIFOS-METHYL	5598-13-0	DoD SW-846 8141B	ug/L	**12**	--	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
delta-BHC	319-86-8	DOD SW-846 8081B	ug/L	--	--	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	NA
DEMETON	8065-48-3	DoD SW-846 8141B	ug/L	**0.042**	--	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
DIAZINON	333-41-5	DoD SW-846 8141B	ug/L	**1**	--	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
DIELDRIN	60-57-1	DOD SW-846 8081B	ug/L	**0.0018**	--	0.005 U	0.005 U	0.005 U	0.12 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	NA
DIMETHOATE	60-51-5	DoD SW-846 8141B	ug/L	**4.4**	--	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
DISULFOTON	298-04-4	DoD SW-846 8141B	ug/L	**0.05**	--	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
ENDOSULFAN I	959-98-8	DOD SW-846 8081B	ug/L	--	--	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	NA
ENDOSULFAN II	33213-65-9	DOD SW-846 8081B	ug/L	--	--	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	NA
ENDOSULFAN SULFATE	1031-07-8	DOD SW-846 8081B	ug/L	**11**	--	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	NA
ENDRIN	72-20-8	DOD SW-846 8081B	ug/L	0.23	**2**	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	NA
ENDRIN ALDEHYDE	7421-93-4	DOD SW-846 8081B	ug/L	--	--	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	NA
ENDRIN KETONE	53494-70-5	DOD SW-846 8081B	ug/L	--	--	0.04 U	0.04 U	0.04 U	1 U	0.04 U	0.04 U	0.04 U	0.04 U	0.4 U	NA
ETHION	563-12-2	DoD SW-846 8141B	ug/L	**0.43**	--	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
ETHOPROP	13194-48-4	DoD SW-846 8141B	ug/L	--	--	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
FAMPHUR	52-85-7	DoD SW-846 8141B	ug/L	--	--	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
FENSULFOTHION	115-90-2	DoD SW-846 8141B	ug/L	--	--	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
FONOPHOS	944-22-9	DoD SW-846 8141B	ug/L	**2.40**	--	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
gamma-BHC (LINDANE)	58-89-9	DOD SW-846 8081B	ug/L	0.042	**0.20**	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	NA
gamma-CHLORDANE	5103-74-2	DOD SW-846 8081B	ug/L	1.00	--	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	NA
HEPTACHLOR	76-44-8	DOD SW-846 8081B	ug/L	0.0014	**0.40**	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	NA
HEPTACHLOR EPOXIDE	1024-57-3	DOD SW-846 8081B	ug/L	0.0014	**0.20**	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	NA
MALATHION	121-75-5	DoD SW-846 8141B	ug/L	**39**	--	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
MERPHOS	150-50-5	DoD SW-846 8141B	ug/L	**0.06**	--	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
METHOXYCHLOR	72-43-5	DOD SW-846 8081B	ug/L	3.70	**40**	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	NA
MEVINPHOS	7786-34-7	DoD SW-846 8141B	ug/L	--	--	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
p,p-DDD	72-54-8	DOD SW-846 8081B	ug/L	**0.032**	--	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	NA
p,p-DDE	72-55-9	DOD SW-846 8081B	ug/L	**0.046**	--	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	NA
p,p-DDT	50-29-3	DOD SW-846 8081B	ug/L	**0.23**	--	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	NA
PARATHION, ETHYL	56-38-2	DoD SW-846 8141B	ug/L	**8.60**	--	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
PARATHION, METHYL	298-00-0	DoD SW-846 8141B	ug/L	**0.45**	--	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
PCB-1016	12674-11-2	DoD SW-846 8082A	ug/L	**0.14**	--	0.25 U	0.25 U	0.25 U	NA	0.25 U	0.25 U	0.62 U	0.25 U	2.5 U	NA
PCB-1221	11104-28-2	DoD SW-846 8082A	ug/L	**0.0047**	--	0.25 U	0.25 U	0.25 U	NA	0.25 U	0.25 U	0.62 U	0.25 U	2.5 U	NA
PCB-1232	11141-16-5	DoD SW-846 8082A	ug/L	**0.0047**	--	0.25 U	0.25 U	0.25 U	NA	0.25 U	0.25 U	0.62 U	0.25 U	2.5 U	NA
PCB-1242	53469-21-9	DoD SW-846 8082A	ug/L	**0.0078**	--	0.25 U	0.25 U	0.25 U	NA	0.25 U	0.25 U	0.62 U	0.25 U	2.5 U	NA
PCB-1248	12672-29-6	DoD SW-846 8082A	ug/L	**0.0078**	--	0.25 U	0.25 U	0.25 U	NA	0.25 U	0.25 U	0.62 U	0.25 U	2.5 U	NA
PCB-1254	11097-69-1	DoD SW-846 8082A	ug/L	**0.0078**	--	0.25 U	0.25 U	0.25 U	NA	0.25 U	0.25 U	0.62 U	0.25 U	2.5 U	NA
PCB-1260	11096-82-5	DoD SW-846 8082A	ug/L	**0.0078**	--	0.25 U	0.25 U	0.25 U	NA	0.25 U	0.25 U	0.62 U	0.25 U	2.5 U	NA
PHORATE	298-02-2	DoD SW-846 8141B	ug/L	**0.30**	--	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
PHOSMET	732-11-6	DoD SW-846 8141B	ug/L	**37**	--	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
RONNEL	299-84-3	DoD SW-846 8141B	ug/L	**41**	--	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
SIMAZINE	122-34-9	DoD SW-846 8141B	ug/L	0.61	**4**	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
TETRAETHYLDITHIOPYROPHOSPHATE	3689-24-5	DoD SW-846 8141B	ug/L	**0.71**	--	0.2 U	0.2 U	0.2 U	NA	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	NA
TOXAPHENE	8001-35-2	DOD SW-846 8081B	ug/L	0.071	**3**	0.25 U	0.25 U	0.25 U	6.2 U	0.25 U	0.25 U	0.25 U	0.25 U	2.5 U	NA
Endosulfan (alpha+beta+sulfate)	115-29-7	Calculation	ug/L	**10**	--	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	NA
Heptachlor (and its epoxide)	D031	Calculation	ug/L	--	--	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	NA
PCBs (or Aroclor mixture)	1336-36-3	Calculation	ug/L	--	**0.50**	0.25 U	0.25 U	0.25 U	NA	0.25 U	0.25 U	0.62 U	0.25 U	2.5 U	NA

Data Qualifiers:
U - Not detected at the Method Detection Level (MDL)
J - Estimated value between the MDL and Method Reporting Level (MRL)

Units
µg/L - micrograms per liter
NA - Not analyzed

FIGURES

Aerostar Environmental and Construction LLC

3550 St. Johns Bluff Rd S • Jacksonville, FL 32224
(904) 565-2820 • www.bbch-llc.com

Topographic Site Location

Bechara Lands DMMA BEA
U.S. Army Corps of Engineers
Rio Puerto Nuevo
San Juan, Puerto Rico

Project No.:	1RC01.1078.0001.05
Drawn By:	JRN
Reviewed By:	RL
Approved By:	RL
Date:	Sep 2024

FIGURE NUMBER **1**

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Source(s): ESRI WMS; Google Earth

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Soil Borings and Temporary Monitoring Well Location - 2004 Aerial

Bechara Lands DMMA BEA

U.S. Army Corps of Engineers

Rio Puerto Nuevo

San Juan, Puerto Rico

0 100 200
Feet

Project No.:	1RC01.1078.0001.05
Drawn By:	JRN
Reviewed By:	RL
Approved By:	RL
Date:	Sep 2024

FIGURE NUMBER 2

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APPENDIX A
Soil Boring Logs

BORING LOG

Page 1 of 2

Boring/Well Number: SB-1 / TMW-1			
Site Name: Bechara Lands DMMA	Borehole Start Date: 7/25/24 End Date:	Borehole Start Time: 13:25 ☐ AM ☑ PM End Time: 13:55 ☐ AM ☑ PM	
Environmental Contractor: Aerostar SES	Geologist's Name: Ryan Reynolds	Environmental Technician's Name:	
Drilling Company: GeoEnviro Tech Inc	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3.5	Borehole Depth (feet): 20
Drilling Method(s): DP	Apparent Borehole DTW (in feet from soil moisture content): 8-9	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): N/A ☐ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP	0-2	34	N/A	N/A	N/A	N/A	1	0-2ft SAND (2.5Y 4/3) Olive brown fine sand w/ ~30% gravel, dry, loose, well graded.	SP	D	SB-1-0-2 @ 13:45
							2				
							3	2ft - 6ft SAND (2.5Y 5/3) Light olive brown fine sand w/ ~8% gravel, dry, poorly graded, medium dense	SP	D	
							4				
							5		SP	D	
							6	6ft - 14ft CLAY (7.5Y 4/3) Olive brown sandy clay, tan, moist @ 8ft, low plasticity, medium stiff			
		40					7		CL	M	SB-1-7-8 @ 13:55
							8				
							9				
							10		CL	M	
							11				
		44					12		CL	M	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 2 of 2

Boring/Well Number:		Site Name:	Borehole Start Date:
SB-1/TMW-1		Bechara Lands DMMA	End Date: 7/25/24

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP			N/A	N/A	N/A	N/A	13				
							14	2 inch layer of fill material & gravel			
							15	14.5 ft 20ft CLAY (2.5Y 4/3) Olive brown sandy clay, lean, moist, low plasticity w/ ≈10% gravel	CL	M	
		48					16				
							17	wet @ 17	CL	W	
							18	moist @ 18	CL	M	
							19				
		48					20	wet @ 20ft	CL	W	
								Boring End			
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 2

Boring/Well Number: SB-2 / TMW-2		
Site Name: Bechara Lands DMMA	Borehole Start Date: 8/1/24 End Date: 8/1/24	Borehole Start Time: 8:30 ☑ AM ☐ PM End Time: 9:45 ☑ AM ☐ PM
Environmental Contractor: ASL	Geologist's Name: Ryan Reynolds	Environmental Technician's Name:
Drilling Company: Geo Enviro Tech Inc	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3.5
Borehole Depth (feet): 20		
Drilling Method(s): DP	Apparent Borehole DTW (in feet from soil moisture content): 10	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): N/A ☐ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

well @ 19 ft

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP	0-2	42	N/A	N/A	N/A	N/A	1	0 – 2.5 ft CLAY (7.5YR 4/6) strong brown clay, moist then dry, dense, low plasticity, stiff	CL	M	
							2		CL	D	SB-2-D-2 @ 11:05
								2.5 ft – 3 ft Fill material, glass, etc			
							3			D	
								3 ft – 6 ft CLAY (7.5YR 6/4) Light brown clay, dry, stiff, dense	CL	D	
							4				
							5		CL	D	
							6		CL	D	
								6 ft – 12 ft CLAY (7.5YR 4/2) brown clay moist, dense w/ 50% fill material.			
	7-8	48					7		CL	M	SB-2-7-8 @ 11:40
							8		CL	D	
								No recovery			
							9				
							10				
								"Same as from 6 ft".	CL	M	
		17					11				
							12		CL	S	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 2 of 2

Boring/Well Number: SB-2 / TMW-2		Site Name: Bechara Lands DMMA	Borehole Start Date: 8/1/24 End Date:

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (Include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP			N/A	N/A	N/A	N/A	13	12ft-15ft NO Recovery			
							14				
							15	15ft-20ft CLAY (2.5Y 4/1) Dark grey fatty clay, sticky, low plasticity, saturated	CL	S	
		15					16				
							17		CL	S	
							18		CL	S	
							19		CL	M	
		40					20		CL	M	
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 2

Boring/Well Number: SB-3 / TMW-3		
Site Name: Bechara Lands DMMA	Borehole Start Date: 7/31/24 End Date:	Borehole Start Time: 11:00 ☑ AM ☐ PM End Time: 12:00 ☐ AM ☑ PM
Environmental Contractor: ASL	Geologist's Name: Ryan Reynolds	Environmental Technician's Name: —
Drilling Company: GeoEnviro Tech Inc	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3.5
Borehole Depth (feet): 20		
Drilling Method(s): DP	Apparent Borehole DTW (in feet from soil moisture content): 8	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): N/A ☐ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

19ft well

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP	0-2	48	N/A	N/A	N/A	N/A	1	0-6ft CLAY (10YR 5/4) yellowish brown lean clay, ~~moist~~ dry, low plasticity	CL	D	SB-3-0-2 @ 11:15
							2		CL	D	
							3				
							4		CL	D	
							5		CL	D	SB-3-5-7 @ 11:40
	6-7						6	6ft-17ft CLAY (2.5Y 4/1) dark grey fatty clay, sticky, ~~moist~~ plasticity, wet		M	
		48					7		CL	W	
							8		CL	W	
							9				
							10		CL	W	
							11				
		36					12		CL	W	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 2 of 2

Boring/Well Number:		Site Name:	Borehole Start Date:
SB-3 / TMW-3		Bechara Lands DMMA	End Date: 7/31/24

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP		~~N/A~~	N/A	N/A	N/A	N/A	13		CL	M	
							14		CL	M	
							15				
		34					16		CL	W	
							17	17 ft – 20 ft SAND (2.5Y 4/1) dark grey fine to medium sand, loose, saturated, no odor	SP	S	
							18		SP	S	
							19				
		48					20		SP	S	
							21	Boring End			
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 2

Boring/Well Number: SB-4/TMW-4		
Site Name: Bechara Lands DMMA	Borehole Start Date: End Date: 7/30/24	Borehole Start Time: 14:00 ☐ AM ☑ PM; End Time: 14:50 ☐ AM ☑ PM
Environmental Contractor: ASL	Geologist's Name: Ryan Reynolds	Environmental Technician's Name: —
Drilling Company: GeoEnviroTech Inc	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3.5
Borehole Depth (feet): 20		
Drilling Method(s): DP	Apparent Borehole DTW (in feet from soil moisture content): 6	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): N/A ☐ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP	0-2	26	N/A	N/A	N/A	N/A	1	0-6ft CLAY (10YR 4/3) Brown lean clay, moist, low plasticity	CL	M	SB-4-0-2 @ 14:10
							2		CL	M	
							3		CL	M	
							4		CL	M	
	4-5						5		CL	M	SB-4-4-5 @ 14:35
							6	6ft-15ft CLAY (2.5Y 4/1)	CL	W	
		48					7	dark grey, fatty clay, sticky, low plasticity, wet @ 6ft	CL	W	
							8				
							9		CL	M	
							10				
							11		CL	W	
		27					12		CL	M	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 2 of 2

Boring/Well Number: SB-4 / TMW-4

Site Name: Bechara Lands DMMA

Borehole Start Date: 7/30/24

End Date:

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP			N/A	N/A	N/A	N/A	13		CL	M	
							14				
							15				
		40					16	15 ft – 16ft CLAY (2.5Y 2.5/1) black heavy clay w/ 50% organics slight odor	CL	M	
							17	16ft – 20 ft CLAY (2.5 4/1) dark grey fatty clay, sticky, low plasticity	CL	W	
							18		CL	W	
							19				
		40					20	Boring End	CL	W	
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 2

Boring/Well Number: SB-5 / TMW-5		
Site Name: Bechara Lands DMMA	Borehole Start Date: 7/30/24 End Date:	Borehole Start Time: 11:40 ☑ AM ☐ PM End Time: 12:35 ☐ AM ☑ PM
Environmental Contractor: ASL	Geologist's Name: Ryan Reynolds	Environmental Technician's Name:
Drilling Company: GeoEnviroTech Inc	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3.5 / Borehole Depth (feet): 20
Drilling Method(s): DP	Apparent Borehole DTW (in feet from soil moisture content): 7	Measured Well DTW (in feet after water recharges in well): / OVA (list model and check type): N/A ☐ FID ☐ PID
Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other		
(describe if other or multiple items are checked):		
Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)		

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP	0-2	40	N/A	N/A	N/A	N/A	1	0-5ft CLAY (2.5Y 5/4) light olive brown lean clay, moist low plasticity, no odor	CL	M	
							2		CL	M	SB-5-0-2 @11:45
							3				
							4		CL	M	
	5-6	48					5				SB-5-5-6 @12:05
							6	5ft-18ft CLAY (2.5Y 4/1) dark grey clay, fatty, wet @ 7ft sticky	CL	M	
							7		CL	W	
							8		CL	M	
							9				
							10		CL	M	
							11				
		31					12		CL	M	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 2 of 2

Boring/Well Number:	Site Name:	Borehole Start Date: / End Date:
SB-5 / TMW-5	Bechara Lands DMMA	7/30/24

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (Include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP			N/A	N/A	N/A	N/A	13		CL	M	
							14		CL	M	
							15	0.5 ft layer of organics, black			
		30					16		CL	M	
							17		CL	M	
							18		CL	M	
							19	Soft – 20 ft CLAY (2.5Y 2.5/1) Black lean clay, w = 40% organics slight odor,	CL	M	
		34					20	Boring End			
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 2

Boring/Well Number: SB-6 / TMW-6		
Site Name: Bechara Lands DMMA	Borehole Start Date: 8/1/24 End Date: 8/1/24	Borehole Start Time: 10:20 ☑ AM ☐ PM End Time: 11:35 ☑ AM ☐ PM
Environmental Contractor: ASL	Geologist's Name: Logan Reynolds	Environmental Technician's Name:
Drilling Company: GeoEnviro Tech Inc	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3.5 / Borehole Depth (feet): 20
Drilling Method(s): DP	Apparent Borehole DTW (in feet from soil moisture content): 7	Measured Well DTW (in feet after water recharges in well): / OVA (list model and check type): N/A ☐ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP	0-2	48	N/A	N/A	N/A	N/A	1	0-5ft CLAY (10YR 4/3) Brown clay, moist, dense, lean low plasticity	CL	M	SB-6-0-2 @ 12:45
							2		CL	M	
							3		CL	M	
							4				
							5		CL	M	SB-6-5-6 @ 13:15
							6	5ft-11ft CLAY (GLEY1 3/N) Very dark gray clay, fatty moist stiff, low plasticity	CL	M	
							7		CL	W	
		44					8		CL	W	
							9		CL	W	
							10		CL	W	
							11		CL	M	
		34					12	11ft-19ft CLAY (2.5Y 2.5/1) Black lean clay, moist w/ Boga organics low plasticity		M	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 2 of 2

Boring/Well Number: SB-6 / TMW-6

Site Name: Bechara Lands DMMA

Borehole Start Date: 8/1/24

End Date: 8/1/24

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP			N/A	N/A	N/A	N/A	13		CL	M	
							14		CL	M	
							15		CL	M	
		38					16		CL	M	
							17		CL	M	
							18		CL	M	
							19	18ft - 20ft CLAY (GLEY1 3/N) very dark clay, sticky, fatty, low plasticity.	CL	M	
		44					20	Boring End			
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 2

Boring/Well Number: SB-7 / TMW-7		
Site Name: Bechara Lands DMMA	Borehole Start Date: 7/29/24 End Date: 7/29/24	Borehole Start Time: 10:50 ☑ AM ☐ PM End Time: 11:45 ☑ AM ☐ PM
Environmental Contractor: Aerostar SES	Geologist's Name: Ryan Reynolds	Environmental Technician's Name: N/A
Drilling Company: Geo Enviro Tech Inc	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3.5
Drilling Method(s): DP	Apparent Borehole DTW (in feet from soil moisture content): 9	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): N/A ☐ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP	0-2	46	N/A	N/A	N/A	N/A	1	0-3ft CLAY (2.5Y 4/3) olive brown clay, lean, low plasticity, moist, weakly cemented	CL	M	SB-7-0-2 @ 11:05
							2				
							3	3ft-12ft CLAY (GLEY1 3/5GY) very dark greenish grey clay, lean, low plasticity, moist weakly cemented no odor	CL	M	
							4		CL	M	
							5				
							6		CL	M	
	8-9	13					7				SB-7-8-9 @ 11:40
							8	Fatty @ 7ft clay	CL	M	
							9	wet @ 9ft		W	
							10		CL	M	
							11				
		38					12	moderate odor @ 12ft	CL	M	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number:		Site Name:	Borehole Start Date:
SB-7 / TMW-7		Bechara Lands DMMA	End Date: 7/29/24

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP			N/A	N/A	N/A	N/A	13	12ft - 20ft CLAY (GLEY1 7.5/10Y) Greenish blacke clay, fatty clay, low plasticity, moderate odor w/ ≤ 30% organics	CL	M	
							14				
							15		CL	M	
		37					16				
							17		CL	M	
							18				
							19		CL	M	
		40					20	Boring End			
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: SB-8 / TMW-8		
Site Name: Bechara Lands DMMA	Borehole Start Date: 7/29/24 End Date: 7/29/24	Borehole Start Time: 1300 ☐ AM ☑ PM End Time: 1350 ☐ AM ☑ PM
Environmental Contractor: Acrestar SES	Geologist's Name: Ryan Reynolds	Environmental Technician's Name: —

Drilling Company: GeoEnviroTech Inc	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3.5	Borehole Depth (feet): 20
Drilling Method(s): DP	Apparent Borehole DTW (in feet from soil moisture content): 7	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): N/A ☐ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP	0-2	34	N/A	N/A	N/A	N/A	1	0-2.5ft CLAY (10YR 4/3) Brown lean clay, moist, low plasticity	CL	M	SB-8-0-2 @ 13:15
							2				
							3	2.5ft-12ft CLAY (10YR 4/2) dark grayish brown lean clay, moist, low plasticity	CL	M	
	5-6						4				
							5				SB-8-5-6 @ 13:45
							6		CL	M	
							7	change to fatty clay @ 7ft wet @ 7ft			
		48					8		CL	W	
							9			W	
							10		CL	W	
							11				
		48					12		CL	W	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: SB-8 / TMW-8 | Site Name: Bechara Lands DMMA | Borehole Start Date: 7/29/24 End Date:

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP			N/A	N/A	N/A	N/A	13	12ft - 16ft CLAY (10YR 4/3) Brown lean clay, moist, low plasticity	CL	M	
							14				
							15		CL	M	
		40					16			M	
							17	16ft - 18ft CLAY (GLEY 1 3/5gy) very dark greenish gray clay, wet, fatty, low plasticity	CL	W	
							18		CL	W	
							19	18ft - 20ft CLAY (GLEY 1 2.6/10y) greenish black clay, fatty, low plasticity, moderate odor, w= 50 % organics		M	
		48					20		CL	M	
							21	Boring End			
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 2

Boring/Well Number: SB-9 / TMW-9			
Site Name: Bechara Lands DMMA	Borehole Start Date: 7/30/24 End Date: 7/30/24	Borehole Start Time: 10:00 ☑ AM ☐ PM End Time: 11:15 ☑ AM ☐ PM	
Environmental Contractor: Aerostar SES	Geologist's Name: Ryan Pagnol	Environmental Technician's Name:	
Drilling Company: GeoEnviroTech inc	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3.5	Borehole Depth (feet): 20
Drilling Method(s): DP	Apparent Borehole DTW (in feet from soil moisture content): 9	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): N/A ☐ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

well to 15 ft

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP	0-2	40	N/A	N/A	N/A	N/A	1	0-3.5 ft CLAY (2.5Y 5/4) light olive brown clay, lean, moist, low plasticity, no odor	CL	M	SB-9-0-2 @ 10:10
							2				
							3		CL	M	
							4	3.5 ft – 11.5 ft CLAY (2.5Y 4/1) dark grey clay, lean, moist, low plasticity	CL	M	
							5		CL	M	
							6				
	7-8	12					7		CL	M	SB-9-7-8 @ 10:40
							8	Fatty clay @ 8.5 ft	CL	M	
							9		CL	W	
							10		CL	M	
		34					11				
							12	12 ft – 13 ft CLAY (2.5Y 2.5/1) black lean clay w/ ~40% organics slight odor	CL	M	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 2 of 2

Boring/Well Number: SB-9 / TMW-9							Site Name: Bechara Lands DMMA			Borehole Start Date: 7/30/24 End Date:
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP		37	N/A	N/A	N/A	N/A	13	13ft - 15ft CLAY (2.5Y 4/1) dark grey clay, ~~fatty~~, sticky	CL	W	
							14		CL		
							15	15ft - 20ft CLAY (2.5Y 2.5/1) black lean clay w/ ≈ 40 % organics, moist slight odor	CL	W	
							16		CL	M	
		39					17		CL	M	
							18		CL	M	
							19		CL	M	
							20	Boring End	CL	M	
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 2

Boring/Well Number: SB-10 / TMW-10			
Site Name: Bechara Lands DMMA	Borehole Start Date: 7/31/24 End Date: ~~7/31~~ 8/1	Borehole Start Time: 9:00 ☑ AM ☐ PM End Time: 10:30 ☑ AM ☐ PM	
Environmental Contractor: ASL	Geologist's Name: Ryan Reynolds	Environmental Technician's Name: —	
Drilling Company: Geo Enviro Tech Inc	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3.5	Borehole Depth (feet): 20
Drilling Method(s): DP	Apparent Borehole DTW (in feet from soil moisture content): 3	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): N/A ☐ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

15 ft well

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP	0-2	32	N/A	N/A	N/A	N/A	1	0-5ft CLAY (10YR 5/4) Yellowish brown clay, moist/wet low plasticity, lean.		W M	SB-10-0-2 @ 9:10
							2				
							3			W	
							4			W	
							5	5ft-8ft CLAY (2.5Y 4/1) dark gray fatty clay, sticky wet, sticky		M	
							6			W	
							7			W	
		30					8				
							9			W	
							10			W	
							11			M	
		36					12			W	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 2 of 2

Boring/Well Number:		Site Name:	Borehole Start Date:
SB-10 / MW-10		Bechara Lands DMMA	End Date: 7/31/24

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP			N/A	N/A	N/A	N/A	13		CL	M	
							14		CL	M	
							15	15 ft – 17 ft CLAY (2.5Y 2.5/1) Black lean clay, moist w/ 40% organics, slight odor			
		36					16		CL	M	
							17	17 ft – 20 ft CLAY (2.5Y 4/1) dark grey fatty clay wet, low plasticity, sticky			
							18		CL	W	
							19		CL	W	
		32					20		CL	W	
								Boring End			
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 2

Boring/Well Number: SB-11 / TMW-11			
Site Name: Bechara Lands DMMA	Borehole Start Date: 7/23/24 End Date: 7/23/24	Borehole Start Time: 12:45 ☐ AM ☑ PM End Time: 13:30 ☐ AM ☑ PM	
Environmental Contractor: Aerostar SES	Geologist's Name: Peyton Reynolds	Environmental Technician's Name:	
Drilling Company: Geo Environtech Inc	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3.5	Borehole Depth (feet): 20
Drilling Method(s): DP	Apparent Borehole DTW (in feet from soil moisture content): 9	Measured Well DTW (in feet after water recharges in well): 8.90	OVA (list model and check type): N/A ☐ FID ☐ PID
Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other			
(describe if other or multiple items are checked):			
Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP			N/A	N/A	N/A	N/A	1	0-2.5 ft Fill material / crushed concrete / limestone. Dry		D	
		24					2	↓ ↓			SB-11-2-4
	2 to 4 ft						3	2.5 ft to 4 ft SAND (5YR 4/3) Reddish brown sand Poorly graded, loose, fine sand, dry, no odor	SM	D	
		24					4	4 ft to 5 ft SAND			
							5	(7.5YR 3/2) Dark brown sand, Poorly graded, loose, fine sand dry, no odor LIMESTONE	SM	D	SB-11-8
		18					6	5 ft to 5.5 ft, Pale brown, dry		D	
							7	5.5 ft to 6 ft SAND (10YR 5/2) grayish brown fine silty sand w/ 60% limestone fragments, dry	SM	D	
	4 to 8 ft						8	6 ft to 7 ft SAND (5Y 2.5/1) Black fine sand, poorly graded, moist	SM	M	SB-11-8
		18					9	7 ft to 9 ft CLAY (5Y 4/2) olive gray, lean, moist	CL	M	
							10	9 ft to 14 ft SAND (5Y 4/1) Dark grey poorly graded sand, loose, wet, no odor, fine grain	SM	W	
		24					11				
							12	Saturated @ 12 ft		S	
		24									

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 2 of 2

Boring/Well Number: SB-11 / TMW-1

Site Name: Bechara Lands DMMA

Borehole Start Date: 7/23/24 End Date:

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP		24	N/A	N/A	N/A	N/A	13	saturated @ 12 ft		S	
							14	14 ft to 20 ft CLAY - (5Y 4/1) Dark gray clay, lean, soft, moist, no odor, low plasticity	CL	M	
		24					15				
							16				
							17		CL	M	
		24					18				
							19		CL	M	
		24					20	Boring End			
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 2

Boring/Well Number: SB-12 / TMW-12		
Site Name: Bechara Lands DMMA	Borehole Start Date: 7/23/24 End Date:	Borehole Start Time: 15:45 ☐ AM ☑ PM End Time: ☐ AM ☐ PM
Environmental Contractor: Aerostar SES	Geologist's Name: Ryan Reynolds	Environmental Technician's Name:
Drilling Company: Geo Eurotech	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3.5
Borehole Depth (feet): 20		
Drilling Method(s): DP	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): N/A ☐ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP			N/A	N/A	N/A	N/A	1	0-3ft SAND (10YR 3/4) Dark yellowish brown, dry, ~40% fill (concrete/limestone/sandstone) med-fine grained, dense, poorly graded dry no odor	SP	D	
	0-4ft	24					2				
							3	3ft to 4ft CLAY (5YR 4/4) Reddish brown clay, lean, slightly moist, dense, low plasticity, no odor	CL	M	SB-12-0-4
		24					4				
							5	4ft to 5ft SAND (10YR 3/4) Dark yellowish brown med-fine grained, dense, poorly graded dry no odor w/ 40% fill material	SP	M	
		3					6				
							7	5ft to 11ft CLAY (10.5GY 4/2) dark grayish olive clay, lean, moist, low plasticity, no odor	CL	M	
	8ft	24					8				SB-12-8
							9	wet @ 9ft	CL	W	
		24					10				
							11		CL	W	
		24					12	moist @ 11 ft	CL	M	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 2 of 2

Boring/Well Number:		Site Name:	Borehole Start Date:
SB-12 / TMW-12		Bechara Lands DMMA	End Date: 7/23/24

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP			N/A	N/A	N/A	N/A	13	11 ft to 20 ft CLAY (GLEY1 3/10Y) very dark greenish grey clay, low plasticity moist	CL	M	
		24					14		CL	M	
							15				
		24					16	saturated from 16 to 18 ft	CL	S	
							17				
							18		CL	S	
		24					19				
							20		CL	M	
		24						Boring End			
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 2

Boring/Well Number: SB-13/TMW-13		
Site Name: Bechara Lands DMMA	Borehole Start Date: 7/24/24 End Date: 7/24/24	Borehole Start Time: 9:40 ☑ AM ☐ PM End Time: 10:50 ☑ AM ☐ PM
Environmental Contractor: Aerostar SES	Geologist's Name: Regan Reynolds	Environmental Technician's Name:
Drilling Company: GeoEnviroTech Inc	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3.5
Drilling Method(s): DP	Apparent Borehole DTW (in feet from soil moisture content): 8	Measured Well DTW (in feet after water recharges in well):
Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)		

Borehole Depth (feet): 20

OVA (list model and check type): N/A ☐ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP	0 to 4 ft	39	N/A	N/A	N/A	N/A	1	0 – 1 ft SAND (2.5Y 4/3) olive brown fine grained sand, dry, dense, well graded w/ ≈30% gravel	SW	D	
							2	1 ft – 3 ft SAND (2.5Y 5/4) light olive brown fine sand, dry, hard poorly graded w/ ≈20% sandstone fragments, no odor	SM	D	
							3				SB-13-0-4 @ 10:10
							4	3 ft – 4 ft SAND (2.5YR 4/4) reddish brown, fine sand, dry, dense poorly graded, no odor	SP	D	
							5	4 ft – 6.5 ft SAND (5Y 3/1) very dark grey fine sand, moist, poorly graded, loose, no odor	SP-SM	M	
	6 to 7 ft	48					6				SB-13-6-7 @ 10:35
							7	6.5 ft – 8 ft CLAY (GLEY 1 4/10Y) dark greenish gray clay, moist, no odor, low plasticity, soft, fatty	CL	M	
							8	8 ft – 9 ft SAND (5Y 4/2) olive grey med-fine grained, poorly graded, saturated, no odor, loose w/ 30% shell fragments		S	
							9				
							10	9 ft – 20 ft CLAY (5Y 4/2) olive grey clay, low plasticity, soft, moist, no odor, fatty		M	
		48					11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 2 of 2

Boring/Well Number: SB-13 / TMW-13

Site Name: Bechara Land's DMMA

Borehole Start Date: 7/24/24

End Date: 7/24/24

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP			N/A	N/A	N/A	N/A	13	CLAY		M	
							14				
							15				
		4ft					16	saturated @ 16 ft		S	
							17				
							18			S	
							19				
		4ft					20	moist @ 19 ft Boring End		M	
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 2

Boring/Well Number: SB-14 / TMW-14		
Site Name: Bechara Lands DMMA	Borehole Start Date: 7/24/24 End Date: 7/24/24	Borehole Start Time: 11:15 ☑ AM ☐ PM End Time: 11:55 ☑ AM ☐ PM
Environmental Contractor: Aerostar SES	Geologist's Name: Ryan Reynolds	Environmental Technician's Name:
Drilling Company: GeoEnviroTech Inc.	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3.5
Borehole Depth (feet): 20		
Drilling Method(s): DP	Apparent Borehole DTW (in feet from soil moisture content): 8	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): N/A ☐ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP	0-4	32	N/A	N/A	N/A	N/A	1	0-1.5 ft SAND (7.5YR 5/6) Strong brown fine sand, Poorly graded, medium dense, dry, reddish w/ ~20% Pill/gravel	SP	D	
							2	1.5 ft – 4ft SAND (5YR 4/4) reddish brown fine sand, Poorly graded, medium dense, dry, no odor	SP	D	SB-14 - 0-4 @ 11:45 am
							3				
							4	4ft – 6ft SAND (2.5YR 3/1) dark reddish grey fine sand, Poorly graded silty, loose, dry, no odor	SP-SM	D	
							5				
	6-7						6	6ft – 8ft CLAY (10Y-5GY) 4/2 dark grayish green clay, moist, low Plasticity, ~~fatty~~ no odor		M	SB-14 - 6-7 @ 12:15 pm
							7				
		48					8	8ft – 10 ft SAND (10Y-5GY 4/2) dark grayish green sand, Saturated Poorly graded, loose, no odor		W	
							9			S	
							10	10ft – CLAY (10Y-5GY 4/2) dark grayish green clay, wet, low plasticity, no odor, ~~fatty~~ Fatty clay		W	
		29					11			W	
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 2 of 2

Boring/Well Number: SB-14/TMW-14	Site Name: Bechara Lands DMMA	Borehole Start Date: 7/24/24 End Date:

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP		48	N/A	N/A	N/A	N/A	13	Fatty clay wet/saturated	CL	S	
							14		CL	W	
							15		CL		
							16		CL	W	
							17		CL		
							18		CL	W	
							19		CL		
							20	19.5-20 feet SAND (10y-5gy 4/1) dark grayish green fine sand, loose + saturated no odor. Boring End	SP	S	
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 2

Boring/Well Number: SB-15 / TMW-15		
Site Name: Bechara Lands DMMS	Borehole Start Date: 7/24/24 End Date: 7/24/24	Borehole Start Time: 13:25 ☐ AM ☑ PM End Time: 14:40 ☐ AM ☑ PM
Environmental Contractor: Aerostar SES	Geologist's Name: Tyson Reynolds	Environmental Technician's Name:
Drilling Company: Geo Enviro Tech Inc	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3.5
Borehole Depth (feet): 20		
Drilling Method(s): DP	Apparent Borehole DTW (in feet from soil moisture content): 10	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): N/A ☐ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP	0-4	48	N/A	N/A	N/A	N/A	1	0-1 ft SAND (10YR 3/3) Dark brown fine sand w/ gravel loose, dry, no odor, poorly graded	SP	D	SB-15-0-4 @ 14:00
							2	1 ft - 3 ft SAND (10YR 5/8) yellowish brown fine sand, dense dry, no odor Poorly graded	SP	D	
							3	3 ft - 10 ft SAND (2.5Y 2.5/1) Black sand w ≈ 30% fill material & gravel, well graded, loose, dry	SW	D	
							4				
							5	moist @ 5-6 ft	SW	M	
							6		SW	M	
							7				
	8-9	48					8	clayey sand @ 8 ft	SC	M	
							9		SC	M	
							10	10-10.5 ft SAND (2.5Y 2.5/1) Black sand, w ≈ 30% fill/gravel poorly graded, dry.	SM	D	SB-15-8-9 @ 14:45
		44					11	10.5 - 13 ft SAND (2.5Y 2.5/1) Black sand, wet, loose, Poorly graded clayey	SC	W	
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 2 of 7

Boring/Well Number: SB-15 / TMW-15		Site Name: Bechara Lands DMMA	Borehole Start Date: 7/24/24 End Date:

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP		48	N/A	N/A	N/A	N/A	13	↓ ↓	SC	W	
							14	13ft – 14ft CLAY (GLEY1 4/10GY) Dark greenish gray clay, fatty, low plasticity, moist, soft	CL	M	
							15	14ft – 15 ft " CLAY " " " wet	CL	W	
							16	15 ft – 18.5 ft moist CLAY " lean clay, moist "	CL	M	
							17	↓ ↓			
							18				
		48					19	18.5 ft – 20 ft CLAY (GLEY1 2.5/N) Black fatty clay, low plasticity, soft no odor, moist	CL	M	
							20	↓ ↓			
							21	Boring 2nd			
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 2

Boring/Well Number: SB-16/TMW-16			
Site Name: Bechara Lands DMMA	Borehole Start Date: 7/23/24 End Date: 7/23/24	Borehole Start Time: 9:20 ☑ AM ☐ PM End Time: 10:15 ☑ AM ☐ PM	
Environmental Contractor: Aerostar SES	Geologist's Name: Ryan Reynolds	Environmental Technician's Name:	
Drilling Company: Envirotech Inc	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3.5	Borehole Depth (feet): 20
Drilling Method(s): DP	Apparent Borehole DTW (in feet from soil moisture content): 6-7	Measured Well DTW (in feet after water recharges in well): 8.10	OVA (list model and check type): N/A ☐ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP			N/A	N/A	N/A	N/A	1	0-1.5 ft Sand w/ ~75% fill material / broken sandstone. Poorly graded sand (7.5YR 3/2) dark brown, loose, moist, sub angular, no odor	SW	M	SB-16-1.5-2.5
	2	24					2	1.5 ft to 3 ft Clay - Brown lean clay, moist, low plasticity (10YR 4/3) no odor	CL	M	
							3				
	4	24					4	3 ft to 5 ft Sand (10YR 5/3) brown clayey sand, stiff, dry w = 40% gravel, no odor	SP-SM	D	SB-16-4
							5				
							6	5 ft to 5.5 ft Clay - (10YR 4/1) dark grey lean clay, moist, low plasticity no odor	CL	M	
		24					7	5.5 ft to 10 ft Sand (10YR 4/1) dark grey med-fine grain sand, poorly graded, loose, moist, no odor sub rounded	SP	W	
		24					8				
							9				
		24 (22)					10	10 ft to 15 ft SAND (10YR 2/1) Black poorly graded fine sand, loose, saturated, no odor	SM	S	
		24 for 48. 24 (22)					11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 2 of 2

Boring/Well Number: SB-16/MW-16 | Site Name: Bechara Lands DMMA | Borehole Start Date: 7/23/24 End Date:

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (Include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP	13-14 (SB)	24	N/A	N/A	N/A	N/A	13		SM	S	
	14-15 (GW)	24					14				
							15	15ft to 20ft CLAY			
	15-16 (GW)	24					16	(5YR 3/1) very dark gray loam clay, soft, wet, no odor	CL	W	
							17				
		24					18			M	
							19				
		24					20		CL	M	
								Boring End.			
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 2

Boring/Well Number: SB-17 / TMW-17		
Site Name: Bechara Lands	Borehole Start Date: 7/25/24 End Date:	Borehole Start Time: 9:15 ☑ AM ☐ PM End Time: 10:05 ☑ AM ☐ PM
Environmental Contractor: Arcadis SES	Geologist's Name: Ryan Reynolds	Environmental Technician's Name:
Drilling Company: GeoEnviroTech Inc	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3.5
Borehole Depth (feet): 20		
Drilling Method(s): DP	Apparent Borehole DTW (in feet from soil moisture content): 8	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): N/A ☐ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP	0-4	42	N/A	N/A	N/A	N/A	1	0-2.5 ft SAND (10YR 4/3) Brown fine sand, poorly graded, loose, dry, no odor	SM	D	
							2				
							3	2.5 ft - 4.5 SAND (2.5Y 5/3) Light olive brown clayey sand, poorly graded, moist, no odor	SC	M	SB-17-0-4 @ 9:30
							4				
							5	4.5 ft - 8ft SAND (5Y 4/2) olive grey clayey sand, moist no odor	SC	M	
							6			M	SB-17-6-7 @ 9:50
	6-7						7		SC		
		40					8	wet @ 8 ft		W	
							9	8ft - 10 ft SAND (5Y 4/3) olive clayey sand, wet, no odor	SC	W	
							10				
							11	10ft - 14ft CLAY (GLEY1 4/5GY) Dark greenish grey clay, moist, low plasticity	CL	M	
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

Page 2 of 2

Boring/Well Number: SB-17								Site Name: Bechara Lands DMMA	Borehole Start Date: 7/25/24 End Date:		
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP		48	N/A	N/A	N/A	N/A	13	↓ ↓	CL	M	
							14	14 ft – 16ft CLAY (GLEY1 3/10Y) very dark greenish grey clay, fatty, moist, low plasticity			
							15		CL	M	
		48					16	16ft – 17 ft CLAY (5Y 6/6) olive yellow sandy clay, lean, low plasticity, moist	CL	M	
							17	17 ft – 20ft CLAY (GLEY1 3/10Y) very dark greenish grey clay, fatty, moist, low plasticity	CL	M	
							18				
							19	↓ ↓	CL	M	
		48					20	Boring End			
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 2

Boring/Well Number: SB-18 / TMW-18		
Site Name: Bechara Lands DMMA	Borehole Start Date: 7/29/24 End Date:	Borehole Start Time: 9:20 ☑ AM ☐ PM End Time: 10:15 ☑ AM ☐ PM
Environmental Contractor: Aerostar SES	Geologist's Name: Ryan Reynolds	Environmental Technician's Name: —
Drilling Company: GeoEnviro Tech INC	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3.5
Borehole Depth (feet): 20		
Drilling Method(s): DP	Apparent Borehole DTW (in feet from soil moisture content): 9	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): N/A ☐ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP	0-2	34	N/A	N/A	N/A	N/A	1	0-7 ft SAND (7.5YR 4/4) Brown fine sand, poorly graded, dry, loose, no odor w/ ~30% fill material.	SP	D	SB-18-0-2 @ 9:30
							2		SP	D	
							3		SP	D	
							4				
							5		SP	D	
							6				
							7		SP	M	
	8-9	32					8	7ft-10ft SAND (7.5YR 4/3) Brown fine sand, well graded, moist, loose, no odor	SP	M	SB-18-8-9 @ 9:50
							9		SP	M	
							10				
							11	10ft-11ft CLAY (7.5YR 4/4) Brown clay, loam, moist, low plasticity	CL	M	
		16					12	11- CLAY (CLEY 2 4/10Y)	CL	S	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: SB-18/TMW-18 | Site Name: Bechara Lands DMMA | Borehole Start Date: 7/29/24 End Date:

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP		4/4	N/A	N/A	N/A	N/A	13	11-14 ft CLAY (GLEY1 4/10Y) Dark greenish gray clay, saturated lean, low plasticity	CL	S	
							14				
							15	14 ft-16 CLAY (7.5YR 4/6) Strong brown Sandy clay, moist lean, low plasticity	CL	M	
							16				
							17	16ft-20 CLAY (GLEY1 4/10Y) Dark greenish gray clay, saturated when moist, lean, low plasticity		S	
							18			S	
							19			M	
		2/8					20			M	
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 2

Boring/Well Number: SB-19 / TMW-19		
Site Name: Bechara Lands DMMA	Borehole Start Date: 7/25/24 End Date: 7/25/24	Borehole Start Time: 14:50 ☐ AM ☑ PM End Time: 15:20 ☐ AM ☑ PM
Environmental Contractor: AeroStar SES	Geologist's Name: Ryan Reynolds	Environmental Technician's Name:
Drilling Company: GeoEnviro Tech	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3.5
Drilling Method(s): DP	Apparent Borehole DTW (in feet from soil moisture content): 3	Measured Well DTW (in feet after water recharges in well):
Borehole Depth (feet): 20	OVA (list model and check type): N/A ☐ FID ☐ PID	

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP	0-2 ft	20	N/A	N/A	N/A	N/A	1	0-2 ft SAND (2.5Y 3/2) very dark greyish brown fine grad w/ 30% gravel & fill material, dry loose, no odor	SP	D	SB-19-0-2 @15:00
							2				
							3	2 ft - 4 ft SAND (7.5YR 4/4) brown fine sand w/ 30% gravel & fill material w/ organics/wood wet @ 3 ft, no odor	SP	W	
							4	4 ft - 7 ft CLAY (GLEY1 3/10) very dark greenish gray fatty clay, saturated, low plasticity, very soft	CL	S	
							5				
							6		CL	S	
		28					7	7 ft - 9 ft CLAY (7.5YR 2.5/1) Black fatty clay, moist, low plasticity, medium stiff	CL	M	
							8				
							9	No Recovery			
							10				
							11				
		5					12	"same as above" wet.	CL	W	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 2 of 2

Boring/Well Number:		Site Name:	Borehole Start Date:
SB-19/MW-19		Bechara Lands DMMA	End Date: 7/25/24

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP		42	N/A	N/A	N/A	N/A	13	13 ft - 20 ft CLAY (CLEY1 4/N) dark grey clay, fatty, ~~moist~~ wet low plasticity	CL	W	
							14				
							15				
							16		CL	W	
							17				
							18	moist @ 18	CL	M	
							19		CL	M	
							20	Boring End			
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 2

Boring/Well Number: SB-20 / TMW-20		
Site Name: Bechara Lands DMMA	Borehole Start Date: 7/25/24 End Date:	Borehole Start Time: 11:00 ☑ AM ☐ PM End Time: 12:20 ☐ AM ☑ PM
Environmental Contractor: Aerostar SES	Geologist's Name: Ryan Reprole	Environmental Technician's Name:
Drilling Company: GeoEnvirotech Inc	Pavement Thickness (inches): N/A	Borehole Diameter (inches): 3.5
Borehole Depth (feet): 20		
Drilling Method(s): DP	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): N/A ☐ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP			N/A	N/A	N/A	N/A	1	0–6.5 SAND (10YR 5/3) Brown fine sand, loose dry, no odor, poorly graded, ~10% gravel	SP	D	
							2				
							3		SP	D	SB-20-0-4 @ 11:15
	0-4	29					4		SP	D	
							5				
							6	moist @ 6 ft	SP	M	SB-20-6-7 @ 11:40
	6-7						7	6.5 ft – 20 ft CLAY (5Y 4/2) Olive grey sandy clay, lean, stiff, moist, low plasticity	CL	M	
		48					8				
							9				
							10		CL	M	
							11				
		48					12		CL	M	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 2 of 2

Boring/Well Number: SB-20 / TMW-20			Site Name: Bechara Lands DMMA	Borehole Start Date: 7/25/24 End Date:

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP		48	N/A	N/A	N/A	N/A	13				
							14		CL	M	
							15				
							16		CL	M	
							17				
							18		CL	M	
							19				
		36					20	Boring End	CL	M	
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

APPENDIX B
Groundwater Sampling Logs, Sampling Equipment Calibration Forms, and Field Notes

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Becharo Lands DMMA		SITE LOCATION: San Juan, PR	
WELL NO: TMW-1	SAMPLE ID: TMW-1		DATE: 7-26-24

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 0 feet to 19 feet	STATIC DEPTH TO WATER (feet): 9.30	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (19 feet – 9.30 feet) X 0.04 gallons/foot = 0.388 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 18	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 18	PURGING INITIATED AT: 1245	PURGING ENDED AT: --	TOTAL VOLUME PURGED (gallons): -

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ ODOR (describe)	ORP (mV)
				purge dry - Grab							
						effervescing					

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Rick Levin / ASL	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1245	SAMPLING ENDED AT: 1510
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-1	2	AG	1L				SVOC, PAH	APP	200
	2	AG	1L				PCB, OP Pest, OC Pest	|	|
	1	PE	500 mL				metals	|	|
	3	CG	40 mL				VOC Diox	|	|
	2	AG	1L				SIM Diox	|	|

REMARKS: 3VOA, 1 metal, (8270, 1 8081, 1 SIM)

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME:	Bechara Lands DMMA	SITE LOCATION:	San Juan
WELL NO:	TMW-2	SAMPLE ID:	TMW-2
DATE:	8-1-24		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
1	3/16	0 feet to 19 feet	10.3	

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (19 feet – 10.3 feet) X 0.04 gallons/foot = 0.348 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
15	15	1220	1240	0.3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ ODOR (describe)	ORP (mV)
1240	0.3	0.3	0.15	10.3	7.84	29.6	14225	0.18	<1000	non	-150.4
				grab							

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Rick Levin / PSL		1240	1325

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
15	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-2	2	AG	1L				SVOC PAH	APP	200
	2	AG	1L				PCB OP Pest OC Pest	|	|
	1	PE	500 mL	HNO_3			metals	|	|
	3	CG	40 mL	HCl			VOC Diox	|	|
	2	AG	1L				SIM Diox	|	|

REMARKS: complete set

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Bechara Lands DMMA		SITE LOCATION: San Juan, PR	
WELL NO: TMW-3	SAMPLE ID: TMW-3		DATE: 8-1-24

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 0 feet to 19 feet	STATIC DEPTH TO WATER (feet): 6.40	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (19 feet – 6.40 feet) X 0.04 gallons/foot = 0.504 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15	PURGING INITIATED AT: 1100	PURGING ENDED AT: 1110	TOTAL VOLUME PURGED (gallons): 0.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR/ ODOR (describe)	ORP (mV)
1110	0.5	0.5	0.15	7.20	6.89	26.9	11037	1.80	650	none	-31.2
					Grab						

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Rick Leon / BSC	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1110	SAMPLING ENDED AT: 1200
PUMP OR TUBING DEPTH IN WELL (feet): 15	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-3	2	AG	1L				SVOC PAH	APP	200
	2	AG	1L				PCB OC Pest OP Pest		
	1	PE	500mL	HNO_3			metals		
	3	CG	40mL	HCl			VOC Diox		
	2	AG	1L				SIM Diox		

REMARKS: complete Set

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Bechara Lands DNMI	SITE LOCATION: San Juan PR	
WELL NO: TMW-4	SAMPLE ID: TMW-4	DATE: 7-31-24

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 9 feet to 14 feet	STATIC DEPTH TO WATER (feet): 8.40	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14 feet – 8.40 feet) X 0.04 gallons/foot = 0.424 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ ODOR (describe)	ORP (mV)
				Purge dry - 9545							

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Rick Levin / ASL	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1030	SAMPLING ENDED AT: 1300
PUMP OR TUBING DEPTH IN WELL (feet): 14	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	AG	1L				SVOC PAH	PP	200
	1	AG	1L				PCB OP Pest Oc. Pest		
	1	PE	500mL				metal		
	3	CG	40 mL				VOC Diox		
	1	PL	1L				SIM Diox		

REMARKS: 3 VOA 1 metal 1 8270 1 8081 1 SIM

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Bechara Lands DMMA		SITE LOCATION: San Juan, PR	
WELL NO: TMW-5	SAMPLE ID: TMW-5		DATE: 7-30-24

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 0 feet to 15 feet	STATIC DEPTH TO WATER (feet): 5.25	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (15 feet – 5.25 feet) X 0.04 gallons/foot = 0.39 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13	PURGING INITIATED AT: 1245	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ ODOR (describe)	ORP (mV)
1300	0.39	0.39	0.15	5.50	6.87	30.3	13131	1.00	~~14.1~~ 9.96	none	-20.3

Rge

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Rick Levin / BSL	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1300	SAMPLING ENDED AT: 1350
PUMP OR TUBING DEPTH IN WELL (feet): 13	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: _____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-5	2	AG	1L				SVOC, PAH	APP	200
	2	BG	1L				PCB & OC Pest OPP Pest	|	|
	1	PE	500 mL				metals	|	|
	3	CG	40 mL				VOC Diox	|	|
	2	AG	1L				SIM Diox	|	

REMARKS: complete set

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME:	Bechara Lands DMMA	SITE LOCATION:	San Juan, PR
WELL NO:	TMW-6	SAMPLE ID:	TMW 6
DATE:	8-1-24		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
1	3/16	6 feet to 19 feet	4.60	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (19 feet – 4.60 feet) X 0.04 gallons/foot = 0.576 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
15	15	1350	1415	0.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ ODOR (describe)	ORP (mV)
1415	0.5	0.5	0.15	5.40	7.11	28.1	27247	0.20	506	none	-90.6
					grab						

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Rick Levin / DSL		1415	1445

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
15	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-6	2	AG	1L				SVOC PAH	APP	200
	2	AG	1L				PCB DP Pest OC Pest		
	1	PE	500mL	HNO_3			metals		
	3	CG	40mL	HCl			VOC Diox		
	2	AG	1L				5.M Diox		

REMARKS: Complete Set

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Bechara Landfill DMMP	SITE LOCATION: San Juan, PR	7-31-24	
WELL NO: TMW-7	SAMPLE ID: TMW-7	DATE: ~~7-30-24~~	

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: 0 feet to 20 feet	STATIC DEPTH TO WATER (feet): 2.20	PURGE PUMP TYPE OR BAILER:
1				

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (~~20~~ 14 feet – 2.20 feet) X 0.04 gallons/foot = 0.712 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
13	~~20~~ ~~13~~	0930		

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ ODOR (describe)	ORP (mV)
				purged dry - grab							

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Rick Levin / ASL		0835	0915

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
~~13~~ 20	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING (Y) N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-7	~~2~~ 1	AG	1L				SVOC PAH	APP	200
	2 1	AG	1L				PCB, OP Pest, OC Pest	|	|
	1	PE	500 mL				metals	|	|
	3	CG	40 mL				VOC Diox	|	|
	2 1	AG	1L				SIM Diox	|	|

REMARKS: 3 VOA | metal | 8270 | 8081 | SIM

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME:	Bechara Lands DMMA	SITE LOCATION:	San Juan, PR
WELL NO:	TMW-8	SAMPLE ID:	TMW-8
DATE:	7-30-24		

PURGING DATA

WELL DIAMETER (inches):	1	TUBING DIAMETER (inches):	3/16	WELL SCREEN INTERVAL DEPTH:	0 feet to 14 feet	STATIC DEPTH TO WATER (feet):	4.70	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14 feet – 4.70 feet) X 0.04 gallons/foot = 0.372 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	13	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	13	PURGING INITIATED AT:	1010	PURGING ENDED AT:	1040	TOTAL VOLUME PURGED (gallons):	1.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ ODOR (describe)	ORP (mV)
1040	~~0.5~~ 1.0	~~0.5~~ 1.0	0.15	7.00	6.74	29.7	17522	1.38	29.6	None	33.3

grab

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	Rick Levin / BSL	SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT:	1040	SAMPLING ENDED AT:	1105
PUMP OR TUBING DEPTH IN WELL (feet):	13	TUBING MATERIAL CODE:	HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: ____ µm	
FIELD DECONTAMINATION: PUMP Y (N)		TUBING Y (N) (replaced)		DUPLICATE: Y (N)			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-8	1	AG	1L				SVOC, PAH	APP	200
	1	AG	1L				PCB, OC Pest, OP Pest	|	|
	1	PE	500mL				metals	|	|
	3	CG	40 mL				VOC Diox	|	|
	1	AG	1L				SIM Diox	|	|

REMARKS: 3 VOA, 1 metal, 1 8270, 1 SIM, 1 8081

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME:	Bechara Land DMMD	SITE LOCATION:	San Juan, PR	7-31-24
WELL NO:	TMW-9	SAMPLE ID:	TMW-9	DATE: ~~7-30-24~~

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
1	3/16	0 feet to 14 feet	5.45	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14 feet – 5.45 feet) X 0.04 gallons/foot = 0.342 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
14	14	1130	1135	

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ ODOR (describe)	ORP (mV)

purge dry

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT)/ AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Rick Levin / DRL		0930	1230

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
14	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1 ~~0.5~~	AG	1L				SVOC PAH	APP	200
	1 ~~0.5~~	AG	1L				PCB, OP Pest OC Pest	|	|
	1	PE	500 mL				metals	|	|
	3	CG	40 mL				VOC Diox	|	|
	1 ~~0.5~~	AG	1L				SIM Diox	|	|

REMARKS: 3 VOA 1 metal ~~0.5~~ 1 8270 ~~0.5~~ 1 8081 ~~0.5~~ 1 SIM

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Bechara Lands DMM1	SITE LOCATION: San Juan	
WELL NO: TMW-1D	SAMPLE ID: TMW-1D	DATE: 7-31-24

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 0 feet to 18 feet	STATIC DEPTH TO WATER (feet): 3.60	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (18 feet – 3.60 feet) X 0.04 gallons/foot = 0.576 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 17	PURGING INITIATED AT: 1115	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR/ ODOR (describe)	ORP (mV)
1115	0.5		0.1	3.66	6.87	28.4	1375	1.78	268	none	-8.4
				purge dry							

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Rick Levin / DSI	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1115	SAMPLING ENDED AT: 1200
PUMP OR TUBING DEPTH IN WELL (feet): 17	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-1D	2	AG	1L				SVOC PAH	APP	200
	2	AG	1L				PCB or Pest or Pest		
	1	PE	500mL				metals		
	3	CG	40mL				VOC Dioxin		
	2	AG	1L				SIM Dioxin		

REMARKS: Complete

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME:	Bechara Laude DMMA	SITE LOCATION:	Puerto Rico
WELL NO:	TMW-11	SAMPLE ID:	TMW-11
DATE:	7/23/24		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
1	3/16	0 feet to 15 feet	8.90	

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (15 feet – 8.90 feet) X 0.04 gallons/foot = 0.244 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
13	13	14:00		

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ ODOR (describe)	ORP (mV)
14:25	1.25	1.25	0.05	9.05	7.05	28.7	11346	0.19	9.72	clear/none	-137.0
14:28	0.15	1.40	0.05	9.05	7.05	28.7	11340	0.17	7.48		-134.7
14:31	0.15	1.55	0.05	9.05	7.06	28.4	11339	0.18	7.30		-133.6

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Ryan Reynolds / Aerostar SS	Ryan Reynolds	14:35	15:10

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
13	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-11	2	AG	1 L	–			SVOC, PAH	APP	300
	2	AG	1 L	–			PCB, OP Pest, OC Pest		
	1	PE	500mL	HNO3			Metals		
	3	CG	40 mL	HCL			VOC Diox		
	2	AG	1 L	–			Diox Sim		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Bechara Lands DMMA		SITE LOCATION:	Puerto Rico
WELL NO: TMW-12	SAMPLE ID: TMW-12		DATE: 7/24/24

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 0 feet to 15 feet	STATIC DEPTH TO WATER (feet): 6.45	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (15 feet – 6.45 feet) X 0.04 gallons/foot = 0.342 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13	PURGING INITIATED AT: 8:40	PURGING ENDED AT: 0920	TOTAL VOLUME PURGED (gallons): 0.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ ODOR (describe)	ORP (mV)
0920	0.75	0.75	0.05	6.45	7.04	27.7	173 13	1.43	596	none	-79.1
			0.05								
			0.05								

RR

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan Reynolds/ASL	SAMPLER(S) SIGNATURE(S): Ryan Reynolds	SAMPLING INITIATED AT: 0925	SAMPLING ENDED AT: 1123
PUMP OR TUBING DEPTH IN WELL (feet): 13	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: _____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-12	2	AG	1 L	–			SVOC PAHs	APP	200-300
	2	AG	1 L	–			PCB, OP Pest, OC Pest	↓	↓
	1	PE	250 ml	HNO3			Metals		
	3	CG	40 ml	HCL			VOC Diox		
	2	AG	1 L	–			Dioxsim		

REMARKS: switch to GW grab. not enough volume - very slow recharge

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Bechara Land DMMA	SITE LOCATION: San Juan, PR	
WELL NO: TMW-13	SAMPLE ID: TMW-13	DATE: 7-24-24

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 0 feet to feet 19	STATIC DEPTH TO WATER (feet): 9.10	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (19 feet – 9.10 feet) X 0.04 gallons/foot = 0.396 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 16	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 16	PURGING INITIATED AT: 1200	PURGING ENDED AT: 1251	TOTAL VOLUME PURGED (gallons): 2.30

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ ODOR (describe)	ORP (mV)
1245	2.0	2.0	0.05	13.45	7.08	28.3	12954	0.19	>1000	none	-104.0
1248	0.15	2.15	0.05	13.45	7.03	28.4	14420	0.13	195	none	-105.8
1251	0.15	2.30	0.05	13.45	7.07	28.6	14864	0.13	70.6	none	-107.2

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. LeVert ASL	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1300	SAMPLING ENDED AT: 1350
PUMP OR TUBING DEPTH IN WELL (feet): 13	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-13	2	AG	1L	–			SVOC, PAH	APP	200
	2	AG	1L				PCB, OP Pest, OC Pest	↓	↓
	1	PE	500 mL	HNO_3			Metals		
	3	CG	40 mL	HCl			VOC DiOX		
	2	AG	1L				SIM DiOX		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME:	Bechara Land DMMP	SITE LOCATION:	San Juan, PR
WELL NO:	TMW-14	SAMPLE ID:	TMW-14
DATE:	7-24-24		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
1	3/16	0 feet to 16 feet	9.20	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (16 feet – 9.10 feet) X 0.04 gallons/foot 0.276 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 1 gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
13	15	1405	1450	0.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ ODOR (describe)	ORP (mV)
1435	0.5	0.5	0.05	13.0	7.66	30.3	6371	0.86	375	none	-78.9

RSC

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Rick Levin / RSC		1450	1600

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
13	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-14	2	AG	1L	-			SVOC PAH	APP	200
	2	AG	1L	-			PCB, OP Pest, OC Pest		
	1	PE	500mL	HNO_3			Metals		
	3	CG	40mL	HCl			VOC Diox		
	2	AG	1L	-			SIM Diox		

REMARKS: Low recharge rate

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME:	Bechara Lands DMMA	SITE LOCATION:	San Juan PR	
WELL NO:	TMW-15	SAMPLE ID:	TMW-15	DATE: 7-25-24 / 7-26-24

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
1	3/16	0 feet to 16 feet	11.9	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (16 feet – 11.9 feet) X 0.04 gallons/foot = ~~0.164~~ 0.164 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
15	15	0940	0980	0.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ ODOR (describe)	ORP (mV)
						Purge dry					
						* Samples effervescing					

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Rick Lewin / ASL		0830	

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
15	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-15	~~2~~ 1	AG	1L			1	SVOC PAH	APP	200
	2 1	AG	1L			1/2	PCB, OPPest, OCPest	|	
	1	PE	500mL	HNO_3		X	Metals	|	|
	3	CG	40 mL	HCl		X	VOC Diox	|	|
	~~2~~ 1	AG	1L			X	SIM Diox	|	

REMARKS: low recharge rate - purge dry 3VOA, 1 meta, 1 SIM 1L 8081 1L 8720

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Bechara Landa DMMA	SITE LOCATION: Puerto Rico	
WELL NO: TMW-16	SAMPLE ID: TMW-16	DATE: 7/23/24

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 0 feet to 15 feet	STATIC DEPTH TO WATER (feet): 8.10	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (15 feet – 8.10 feet) X 0.04 gallons/foot = 0.278 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13	PURGING INITIATED AT: 10:20	PURGING ENDED AT: 11:31	TOTAL VOLUME PURGED (gallons): 3.55

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ ODOR (describe)	ORP (mV)
11:25	3.25	3.25	0.05	8.19	6.88	31.0	1883	0.37	9.57	clear/none	-91.7
11:28	0.15	3.40	0.05	8.20	6.87	31.2	1874	0.35	7.15	↓	-92.8
11:31	0.15	3.55	0.05	8.20	6.86	31.2	1873	0.32	6.80	↓	-92.9
						TCR					

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan Reynolds/ASL	SAMPLER(S) SIGNATURE(S): Ryan Reynolds	SAMPLING INITIATED AT: 11:45	SAMPLING ENDED AT: 12:10
PUMP OR TUBING DEPTH IN WELL (feet): 13	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: _____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-16	2	AG	1L	none			SVOC - PAH	APP	300
	2	AG	1L	none			PCBs		
	~~2~~	~~AG~~	~~HL~~	~~none~~ RL			OP pest		
	~~2~~	~~AG~~	~~1L~~	~~none~~			OC pest		
	1	PE	500mL	HNO_3			metals		
	3	CG	40mL	HCl			VOC diox		
REMARKS:	2	AG	1L	None			Diox SIM		

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: ~~TMW-17~~ Bechara Land DMMA	SITE LOCATION: San Juan, PR
WELL NO: TMW-17	SAMPLE ID: TMW-17
DATE: 7-26-24	

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 8.30	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (18 feet – 8.30 feet) X 0.04 gallons/foot = 0.388 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 18	PURGING INITIATED AT: 10:40	PURGING ENDED AT: 10~~58~~	TOTAL VOLUME PURGED (gallons): 0.7

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ ODOR (describe)	ORP (mV)
10:52	0.4	0.4	0.05	13.02	6.66	28.7	22384	0.32	>5,000	cloudy/mod	-66.9
10:55	0.15	0.55	0.05	13.40	6.65	28.8	22355	0.31	>5,000		-67.1
10:58	0.15	0.70	0.05	13.81	6.65	28.8	22306	0.30	>5,000		-67.0

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Rick Levin / ASL	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1100	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet): 18	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-17	2	AG	1L				SVOC, PAH	PPP	200
	2	AG	1L				PCB, OP Pest, OC Pest	|	|
	1	PE	500 mL				Metals	|	|
	3	CG	40 mL				VOC DiDX	|	|
	2	AG	1L				SIM DiDX	|	|

REMARKS: 3 VOA, 1 metal, 3/4 8270, 1 SIM, 1 8081

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME:	Bechara Lands PMMA	SITE LOCATION:	San Juan, PR
WELL NO:	TMW-18	SAMPLE ID:	TMW-18
DATE:	7-29-24		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
1	3/16	0 feet to 20 feet	9.60	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (20 feet – 9.60 feet) X 0.04 gallons/foot = 0.416 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
17	17	1035	1126	1.80

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ ODOR (describe)	ORP (mV)
1120	1.5	1.5	0.05	9.60	6.86	29.4	11644	0.14	285	none	-97.6
1123	0.15	1.65	0.05	9.60	6.87	29.5	11601	0.17	206	none	-97.9
1126	0.15	1.80	0.05	9.60	6.88	29.5	11505	0.20	222	none	-97.5

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Ricardo Levin / ASL		1130	

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
17	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-18	2	AG	1L				SVOC, PAH	APP	200
	2	AG	1L				PCB, OP Pest. DC Pest		
	1	PE	500 mL				metals		
	3	CG	40 mL				VOC Diox		
	2	AG	1L				SIM Diox		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME:	Bechara Lands DMMA	SITE LOCATION:	San Juan, PR
WELL NO:	TMW-19	SAMPLE ID:	TMW-19
DATE:	7-26-24		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
1	3/16	0 feet to 13 feet	2.30	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (13 feet – 2.30 feet) X 0.04 gallons/foot = 0.428 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
10	10	0907	0929	0.86

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ ODOR (describe)	ORP (mV)
0923	0.5	0.5	0.05	2.3	7.75	29.5	1704	0.85	726	None	-80.9
0924	0.15	0.65	0.05	2.35	7.40	29.5	1623	0.50	158	none	-95.0
0929	0.15	0.80	0.05	2.35	7.35	29.5	1612	0.47	63.9	none	-93.7

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Rick Levin / ASL		0930	0950

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
10	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-19	2	AG	1L				SVOC, PAH	APP	200
	2	AG	1L				PCB, OP Pest OC Pest		
	1	PE	600 mL				Metals		
	3	CG	40 mL				VOC Diox		
	2	AG	1L				SIM Diox		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Bechara Land, DMMA		SITE LOCATION: San Juan, PR	
WELL NO: TMW-20	SAMPLE ID: TMW-20		DATE: 7-26-24

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
1	3/16	0 feet to 19 feet	11.1	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (19 feet – 11.1 feet) X 0.04 gallons/foot = 0.316 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
19	19			

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR/ ODOR (describe)	ORP (mV)
				Grab - purge dry							
				effervescing							

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Rick Irvin / ASL		1150	

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
19	HDPE		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-20	2	AG	1L				SVOC, PAH	APP	200
	2	AG	1L				PCB, OP Pest, OCPest		
	1	PE	500mL				metals		
	3	CG	40mL				VOC 8260		
	2	AG	1L				SIM 8260		

REMARKS: 3 VOA, 1 metal, 1 8270, 3/4 8081, 1 SIM

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Aerostar Environmental and Construction

FIELD INSTRUMENT CALIBRATION LOG

Project/Site: Bechara Lands

Instrument (Make/Model#): YSI Pro Quatro

Instrument S/N #: 23H101230

Standards Manufacturer: pH Standard: Geotech

Conductivity Standard: "

ORP Standard: "

OVA Standard: — N/A

Calibration Type	Lot #	Expiration Date	Date	Time ET or CT	Temp °C	Standard or Theoretical Value	Instrument Response	Difference or % Deviation	Pass or Fail	Initials	Does Any Field Data Require Qualification ?
Dissolved Oxygen Acceptance Criteria ± 0.3 mg/L of Theoretical Value**											
Dissolved Oxygen											
	Lot	Expiration	Today's Date	Time	Temp °C	Standard	Response	Difference	Pass/Fail	Initials	Qualification
CAL	100 % Water Saturated Air		7/23/24	10:45	31.9	7.31				RF	Yes
ICV	100 % Water Saturated Air			10:45	32.0	7.31	100 %	—	P F		or
CCV	100 % Water Saturated Air								P F		No
pH Acceptance Criteria ± 0.2 SU of Standard Value**											
pH											
	Lot	Expiration	Today's Date	Time	Temp °C	Standard	Response	Difference	Pass/Fail	Initials	Qualification
CAL	4GBI0[illegible]0	2/2026	7/23/24	11:00	30.3	7.0				RF	Yes
CAL	4GBI3776	2/2026		11:03	30.2	4.0					or
CAL	4GDOTT4	4/2026		11:05	30.3	10.0					No
ICV				11:06	30.3	7.0	7.0	—	P F		
CCV						7.0			P F		
ORP Acceptance Criteria ± 10 mV of Standard Value**											
ORP											
	Lot	Expiration	Today's Date	Time	Temp °C	Standard	Response	Difference	Pass/Fail	Initials	Qualification
CAL	4GDO512	1/2025		11:10	30.1	220				RF	Yes
ICV	" "	1/2025		11:12	30.1	220	220	—	P F		or
CCV						220			P F		No
Specific Conductance Acceptance Criteria ± 5 % of Standard Value (units µS/cm)											
Sp. Conductance											
	Lot	Expiration	Today's Date	Time	Temp °C	Standard	Response	% Deviation	Pass/Fail	Initials	Qualification
CAL	4GDO422	4/2025	7/23/24	10:48	30.1	1000					Yes
ICV	3GL1341	12/2024		10:50	30.2	447	447	—	P F		or
CCV									P F		No

Maintenance is recorded in the Field Meter Maintenance Database

Perform only in Calibrate Mode: **CAL** - Calibrate

Perform only in Run Mode: ***ICV*** - Initial Calibration Verification

Perform only in Run Mode: **CCV** - Continuing Calibration Verification

***These standard/theoretical values are temperature dependant.** To determine theoretical DO value refer to Table FS 2200-2 in FDEP SOP FS 2200 or Table FT 1500-1 in SOP FT1500; ORP and pH values found in Manufacturer table or on bottle.

Acceptance Criteria Calculation Notes:

To calculate a difference use equation:

$$\text{Difference} = \text{Response} - \text{Standard Value}$$

To calculate a percent deviation use equation:

$$\%\ \text{Deviation} = \frac{\text{Response} - \text{Standard}}{\text{Standard}} \times 100$$

Name: Byron Reynolds

Aerostar Environmental and Construction

FIELD INSTRUMENT CALIBRATION LOG

Project/Site: Bechara Landa DMMA

Instrument (Make/Model#): YSI Pro Quattro

Instrument S/N # 23H101230

Standards Manufacturer: pH Standard Geotech

ORP Standard Geotech

Conductivity Standard Geotech

OVA Standard —

Calibration Type	Lot #	Expiration Date	Date	Time ET or CT	Temp °C	Standard or Theoretical Value	Instrument Response	Difference or % Deviation	Pass or Fail	Initials	Does Any Field Data Require Qualification ?

Dissolved Oxygen Acceptance Criteria ± 0.3 mg/L of Theoretical Value**

Dissolved Oxygen

	Lot	Expiration	Today's Date	Time	Temp °C	Standard	Response	Difference	Pass/Fail	Initials	Qualification
CAL	100 % Water Saturated Air		7/24/24	8:20	28.7	7.73					Yes or No
ICV	100 % Water Saturated Air			8:21	28.7	7.73	—	—	P F	[illegible]	
CCV	100 % Water Saturated Air								P F		

pH Acceptance Criteria ± 0.2 SU of Standard Value**

pH

	Lot	Expiration	Today's Date	Time	Temp °C	Standard	Response	Difference	Pass/Fail	Initials	Qualification
CAL	46B1040	2/2026	7/24/24	8:25	30.0	7.0					Yes or No
CAL	46B1376	2/2026		8:27	30.1	4.0					
CAL	46D0774	4/2026		8:30	30.0	10.0					
ICV				8:31	30.1	7.0	7	—	P F	[illegible]	
CCV						7.0			P F		

ORP Acceptance Criteria ± 10 mV of Standard Value**

ORP

	~~46~~ Lot	Expiration	Today's Date	Time	Temp °C	Standard	Response	Difference	Pass/Fail	Initials	Qualification
CAL	46D0517	1/2025	7/24/24	8:35	29.6	220					Yes or No
ICV	"	1/2025		8:35	29.7	220	220	—	P F	[illegible]	
CCV						220			P F		

Specific Conductance Acceptance Criteria ± 5 % of Standard Value (units µS/cm)

Sp. Conductance

	Lot	Expiration	Today's Date	Time	Temp °C	Standard	Response	% Deviation	Pass/Fail	Initials	Qualification
CAL	46P0427	4/2025	7/24/24	8:33	30.0	1000					Yes or No
ICV	36L1341	12/2024		8:34	30.0	447	450	0.6 %	P F	[illegible]	
CCV									P F		

Maintenance is recorded in the Field Meter Maintenance Database

Perform only in Calibrate Mode: **CAL** - Calibrate

Perform only in Run Mode: ***ICV*** - Initial Calibration Verification

Perform only in Run Mode: **CCV** - Continuing Calibration Verification

**These standard/theoretical values are temperature dependant. To determine theoretical DO value refer to Table FS 2200-2 in FDEP SOP FS 2200 or Table FT 1500-1 in SOP FT1500; ORP and pH values found in Manufacturer table or on bottle.

Acceptance Criteria Calculation Notes:

To calculate a difference use equation:

$$\text{Difference} = \text{Response} - \text{Standard Value}$$

To calculate a percent deviation use equation:

$$\%\ \text{Deviation} = \frac{\text{Response} - \text{Standard}}{\text{Standard}} \times 100$$

Name: [signature]

Aerostar Environmental and Construction

FIELD INSTRUMENT CALIBRATION LOG

Project/Site: Beohard Leads DMMA

Instrument (Make/Model#): YSI Quattro

Instrument S/N # 23H101230

Standards Manufacturer: pH Standard Geotech

ORP Standard Geotech

Conductivity Standard Geotech

OVA Standard —

Calibration Type	Lot #	Expiration Date	Date	Time ET or CT	Temp °C	Standard or Theoretical Value	Instrument Response	Difference or % Deviation	Pass or Fail	Initials	Does Any Field Data Require Qualification ?

Dissolved Oxygen Acceptance Criteria ± 0.3 mg/L of Theoretical Value**

Dissolved Oxygen

	Lot	Expiration	Today's Date	Time	Temp °C	Standard	Response	Difference	Pass/Fail	Initials	Qualification
CAL	100 % Water Saturated Air		7/25/25	8:45	28.5	7.76				RR	Yes or No
ICV	100 % Water Saturated Air			8:46	28.5	7.76	7.76	—	P F		
CCV	100 % Water Saturated Air								P F		

pH Acceptance Criteria ± 0.2 SU of Standard Value**

pH

	Lot	Expiration	Today's Date	Time	Temp °C	Standard	Response	Difference	Pass/Fail	Initials	Qualification
CAL	4GB1040	2/2028	7/25/25	8:47	29.8	7.0				RR	Yes or No
CAL	4GB1376	2/2028		8:48	29.8	4.0					
CAL				8:50	29.9	10.0					
ICV				8:51	29.9	7.0	7	—	P F		
CCV						7.0			P F		

ORP Acceptance Criteria ± 10 mV of Standard Value**

ORP

	Lot	Expiration	Today's Date	Time	Temp °C	Standard	Response	Difference	Pass/Fail	Initials	Qualification
CAL	4GP0512	1/2025	7/25/25	8:53	28.6	220				RR	Yes or No
ICV	" "	" "		8:54	28.9	220	220	—	P F		
CCV						220			P F		

Specific Conductance Acceptance Criteria ± 5 % of Standard Value (units µS/cm)

Sp. Conductance

	Lot	Expiration	Today's Date	Time	Temp °C	Standard	Response	% Deviation	Pass/Fail	Initials	Qualification
CAL	4GD0422	4/2025	7/24/25	8:55	29.0	1000				RR	Yes or No
ICV				8:57	29.9	447	447	—	P F		
CCV									P F		

Maintenance is recorded in the Field Meter Maintenance Database

Perform only in Calibrate Mode: **CAL** - Calibrate

Perform only in Run Mode: ***ICV*** - Initial Calibration Verification

Perform only in Run Mode: **CCV** - Continuing Calibration Verification

***These standard/theoretical values are temperature dependant.** To determine theoretical DO value refer to Table FS 2200-2 in FDEP SOP FS 2200 or Table FT 1500-1 in SOP FT1500; ORP and pH values found in Manufacturer table or on bottle.

Acceptance Criteria Calculation Notes:

To calculate a difference use equation:

$$\text{Difference} = \text{Response} - \text{Standard Value}$$

To calculate a percent deviation use equation:

$$\%\ \text{Deviation} = \frac{\text{Response} - \text{Standard}}{\text{Standard}} \times 100$$

Name: Peyton Reynolds

Aerostar SES LLC

FIELD INSTRUMENT CALIBRATION RECORD

Project Site/FacID: Bechara Laud's DMMA 117.24.1078.001

Calibrated by (Print)/Affiliation: Ryan Reynolds / Aerostar SES

Boldly "X" this box if there is qualified data on this page.

Temperature (Quarterly) Date of Last Temp Verification: See log book:

DISSOLVED OXYGEN (DO) (REFERENCE: DEP SOP FT 1500)

Acceptance Criteria +/-0.3 mg DO/L

Meter/Instrument Name and Unique ID: YSI Pro Quatro 23H101230

	Initials	Date	Time	Standard (DO %)	Temp °C	Saturation mg/L (100%)	Response DO (%)	Deviation mg DO/L		Pass or Fail
CAL ICV CCV	RR	7/29/24	8:31	100%	28.6	7.75	100	—	—	P F
CAL ICV CCV	↓	↓	8:31	100%	28.6	7.75	100	—	—	P F
CAL ICV CCV				100%						P F
CAL ICV CCV		7/30/24	8:20	100%	28.2	7.80	100	—	—	P F
CAL ICV CCV	RR	↓	8:22	100%	28.2	7.80	100	—	—	P F
CAL ICV CCV				100%						P F

See Table FT 1500-1 and/or Table FS 2200-2 for Dissolved Oxygen Saturation corresponding to Temperature.

SPECIFIC CONDUCTANCE (REFERENCE: DEP SOP FT 1200)

Acceptance Criteria +/-5% the standard

Meter/Instrument Name and Unique ID: YSI Pro Quatro 23H101230

	Initials	Date	Time	Standard (µmho/cm)	Exp. Date	Lot #	Response	Deviation (%)	Pass or Fail
CAL ICV CCV	RR	7/29/24	8:34	1000	4/2025	46D0422	1000	—	P F
CAL ICV CCV	↓	↓	8:36	447	12/2024	36L1311	447	—	P F
CAL ICV CCV									P F
CAL ICV CCV	RR	7/30/24	8:25	1000	4/2025	46D0422	1000	—	P F
CAL ICV CCV	↓	↓	8:26	447	12/2024	36L1311	447	—	P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

OXIDATION-REDUCTION POTENTIAL (ORP)

Acceptance Criteria +/-10 mV

REFERENCE: *EPA Region 4, Operating Procedure, Field Measurement of Oxidation-Reduction Potential (ORP)*

Meter/Instrument Name and Unique ID: YSI Pro Quatro 23H101230

	Initials	Date	Time	Standard (mV)	Exp. Date	Lot #	Response (mV)	Deviation (mV)	Pass or Fail
CAL ICV CCV	↓	7/29/24	8:45	220	1/2025	46D0512	220	—	P F
CAL ICV CCV	↓	↓	8:46	220	1/2025	" "	220	—	P F
CAL ICV CCV									P F
CAL ICV CCV	RR	7/30/24	8:30	220	1/2025	" "	220		P F
CAL ICV CCV	↓	↓	8:31	220	1/2025	" "	221	+1	P F
CAL ICV CCV									P F

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

Aerostar SES

FIELD INSTRUMENT CALIBRATION RECORD

Project Site/FacID: Becard Lugo DMM# 117.24.1078.0001

Calibrated by (Print)/Affiliation: Egan Reynolds / Aerostar SES

Boldly "X" this box if there is qualified data on this page.

pH (REFERENCE: DEP SOP FT 1100) — Acceptance Criteria +/-0.2 SU

Meter/Instrument Name and Unique ID: YSI Pro Quattro 23H101230

	Initials	Date	Time	Standard (SU)	Exp. Date	Lot #	Response (SU)	Deviation (SU)	Pass or Fail
CAL ICV CCV	RR	7/29/24	8:50	7	2/2026	4GB1040	7	—	P F
CAL ICV CCV			8:52	4	2/2026	4GB1376	4	—	P F
CAL ICV CCV			8:56	10	4/2026	4GD0774	10	—	P F
CAL ICV CCV			8:58	7	2/2026	4GB1040	7	—	P F
CAL ICV CCV									P F
CAL ICV CCV	RR	7/30/24	8:35	7	2/2026	4GB1040	7	—	P F
CAL ICV CCV			8:37	4	2/2026	4GB1376	4	—	P F
CAL ICV CCV			8:40	10	4/2026	4GD0774	10	—	P F
CAL ICV CCV			8:42	7	2/2026	4GB1040	7	—	P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

TURBIDITY (REFERENCE: DEP SOP FT 1600) Meter/Instrument Name and Unique ID: Hach 2100Q 14080C03467

Std=0.1-10 NTU +/-10% Std=11-40 NTU +/-8% Std=41-100 NTU +/-6.5% Std>100 NTU +/-5%

	Initials	Date	Time	Standard (NTU)	Exp. Date	Lot #	Response (NTU)	Deviation (%)	Pass or Fail
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

10

Location Bechara Landc Date 7.22.24

Project / Client San Juan PR / USACE

RL 117.24.1078.0001 pt cloudy, 88°

0800	arrive onsite, wait for gate to be open. A&B Drilling, Micky
0820	gate open, GET onsite, H&S safety briefing
0850	set up for utility locate at SB-11
0910	locate around SB-16
0915	got jeep stuck looking for SB-7
1000	got unstuck. equipment clearing road
1015	locate SB-6
1030	locate SB-8
1045	locate SB-7
1115	locate SB-4
1120	locate SB-10
1125	~~locate~~ SB-2
1140	~~locate~~ SB-3
1155	~~collect~~ SB-9 *
1210	relocate SB-9
1240	locate SB-5
1325	locate SB-12
1340	locate SB-15
1400	locate SB-17
1410	locate SB-20
1415	locate SB-1
1452	locate SB-19

Location San Juan Date 7-22-24 11

Project / Client Bechara Lands / USACE

RL : 117.24 1078.0001 pt cloudy 86°

1500	drillers still geotech on SB-18
	~~still~~ tomorrow equipment operator will clear for SB-13 and SB-14 (3 more sites to locate)
1520	leave site for the day

RL

Rite in the Rain

12

Location San Juan Date 7-23-24

Project / Client Bechara Lands / USACE

RL/RR 117.24.1078.0001 Sunny 88

0830	arrive on site	
0900	GET arrive onsite H&S briefing	
0920	set up and start drilling SB-16	20 ft
0930	collect SB-16-1.5-2.5	WT 6.5 ft
0950	collect SB-16-4	6 container sample
1005	install TMW-16 to ~~20~~ ft 15 ft	
	Sound cavings	
	stick-up 14"	
1025	DTW 8.10 ft SB-16	
1027	start purging ~~SB-16~~ TMW-16	
1035	Rick departs site to get missing cooler	
	calibrate YSI	
1125	Rick return to site	
1145	collect TMW-16	10 samples cont.
1207	lunch	
1245	set up and start drilling SB-11	20 ft
1310	collect SB-11-2-4	
1325	collect SB-11-8	
1335	install TMW-11 15 ft	DTW 8.90
1435	collect TMW-11	10 sample cont.
1540	set up and start drilling SB-12	20 ft
1555	collect SB-12-0-4	~~mins labeled~~
1605	Collect ~~SB-12-8~~	missing
1630	install TMW-12	16 ft
1645	leave site for the day — RSL	

Location San Juan Date 7-24-24 13

Project / Client Bechara Lands / USACE

RL/RR 117.24.1078.0001 Sunny 83/86

0800	arrive onsite
0815	GET arrives H&S briefing
0830	set up to take GW sample from TMW-12
	DTW 6.45 ft, calibrate YSI
0840	start purging TMW-12
0910	0.75 gal purged dry, take readings and sample Very slow recharge rate
0925	collect TMW-12 very slow ~~recharge~~ rate
0940	set up and start drilling at SB-13 20 ft
1015	install TMW-12
1110	set up and start drilling at SB-14 20 ft
1010	collect SB-13-0-4
1035	collect SB-13-6-7
1040	install TMW-13 19 ft
1145	collect SB-14-0-4
1215	collect SB-14-6-7
1155	install TMW-14 16 ft
1200	start purging TMW-13
1300	collect TMW-13 10 bottles
1330	Set up and start drilling at SB-15
1405	start purging TMW-14 purge dry
1400	collect SB-15-0-4
1445	collect SB-15-8-9
1440	install TMW-15 16 ft

Rite in the Rain

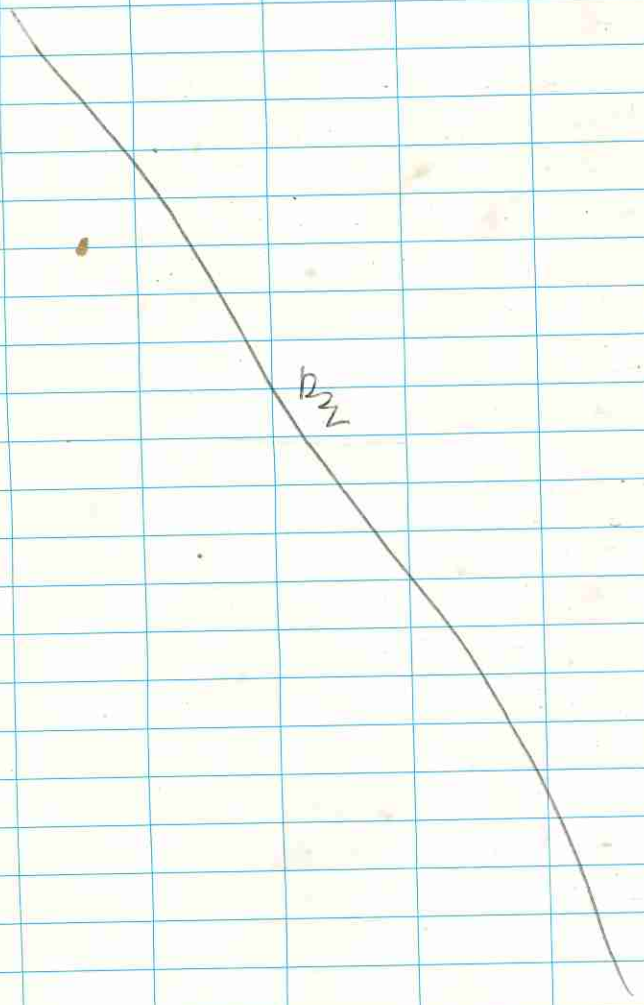
14

Location San Juan, PR Date 7-24-24

Project / Client Bechara Lands / USACE

RL/RA 117.24.1078.0001 sunny 88°

1600 TMW-14 sampled 3 VOA, 1 metal 3 1L (each), need to finish tomorrow



15

Location San Juan, PR Date 7-25-24

Project / Client Bechara Lands / USACE

RL/RA 117.24.1078.0001 87° sunny

0830	arrive onsite, GET onsite H&S briefing
0845	continue sampling TMW-14
0850	set up and start drilling SB-17 RL
0940	start purging TMW-15, purge dry very slow recharge rate, come back later
10:05	- Finish installing TMW-17/SB-17
10:[illegible]	- setup on TMW-17, well almost dry will have to let recharge. 18 ft Breakdown & move to next
10:50	- Mob & setup on SB-20
11:00	- Begin advancing SB-20
0930	collect SB-17-0-4
0950	collect SB-17-6-7
1115	collect SB-20-0-4
1210	collect SB-20-6-7 19ft
1205	install TMW-20, dry, let recovery
1200	lunch
1225	set up and start drilling SB-1
1345	install TMW-1 19 ft
1345	collect SB-1-0-2
1355	collect SB-1-7-8
1450	set up and start drilling SB-19
1500	collect SB-19-0-8 WT @ 2 ft no ~~sample~~ soil sample below 2ft

Rite in the Rain

16

Location San Juan, PR Date 7-25-24

Project / Client Bechara Lands / USACE

RL/RR 117.24.1078.0001 88° sunny

1510	install TMW-19	13 ft
	Swelling clays	
1600	leave site for the day	

RL

11.5

17

Location San Juan, PR Date 7.26.24

Project / Client Bechara Lands / USACE

RL/RR/KD 117.24.1078.0001 88° sunny

0800	arrive onsite
0820	Set up on TMW-15 to collect GW sample
	DTW 11.5 ft
0830	Collect TMW-15 samples effervescing
	3 VOA, 1 metal, 1, 8270 SIM, 1 8081, 1/2 8270
0900	set up on TMW-19 to collect GW sample
	DTW 2.30 ft
0930	collect TMW-19 complete
1000	replace jersey barrier for TMW-19,
	GET onsite to move barrier
1045	set up on TMW-17 to collect GW samples
	DTW 8.30 ft 18 ft
1100	collect TMW-17
	3 VOA, 1 metal 3/4 8270
1145	Set up on TMW-20 to collect GW Sample
	DTW 11.1 ft 19 ft
1150	collect TMW-20
	3 VOC, 1 metal 1 5270 3/4 8081
1220	Set up on TMW-1 to collect GW sample
	DTW 9.30 ft
1245	collect TMW-1
	3 VOA, 1 metal 1 8270, 1 8081, 1 SIM
1325	fill TMW-15
	1-8081 1/4 8270

Rite in the Rain

18

Location San Juan, PR Date 7-29-24

Project / Client Rechana Lands PMMA

RL/RR 117.24 1078 0001 84° Sunny

0800	arrive onsite, USACE arrive	Alberto
0830	GET arrive H&S briefing	Javier
	YSI calibration	
0900	complete sample @ TMW-15	8270
0915	complete sample @ TMW-17	8270
0930	complete sample @ TMW-20	8081
0920	Start drilling at SB-18	20 ft
0930	collect SB-18-0-2	
0950	collect SB-18-8-9	
1035	start purging TMW-18 for GW sample	
	DTW 9.60 20 ft	
1130	collect TMW-18	
1445	complete sample @ TMW-17	
	8081 + SIM	
1510	complete sample @ TMW-20	
	SIM	
1050	set up and start drilling @ SB-7	20ft
1105	collect SB-7-0-2	
1140	collect SB-7-8-9	
1150	install TMW-7	9 ft
1300	Set up and start drilling @ SB-8	20 ft
1315	collect SB-8-0-2	
1345	collect SB-8-5-6	
1350	install TMW-8	

Location San Juan PR Date 7-30-24 19

Project / Client Rechana Lands, DMMA

RL/RR 117.24.1078.0001 84° Sunny

0800	arrive onsite	USACE arrive Javier
0830	GET arrive H&S briefing	
	YSI Calibration	
0900	GET survey wells, walk Javier around	
0930	set up to collect GW sample @ TMW-7	
	DTW 2.26 ft 20 ft	
* 1000	TMW-7 purged dry *	
1015	set up to collect GW sample @ TMW-8	
	DTW. 4.70 14 ft	
1040	collect TMW-8	
	3 VOA, 1 metal, 8270, 8081, SIM	
1130	set up to collect GW sample @ TMW-9	
	DTW. 5.45 17 ft	
* 1135	purge dry @ TMW-9 *	
1010	collected SB9-0-2	
1040	collected SB-9-7-8	
1115	install TMW-9 15 ft	
1145	collect SB-5-0-2	
1205	collect SB-5-6-7	
1206	install TMW-5 15 ft	
1245	set up to collect GW sample @ TMW-5	
	DTW 5.25 15 ft	
1500	collect TMW-5	
	complete 5 ft	

Rite in the Rain

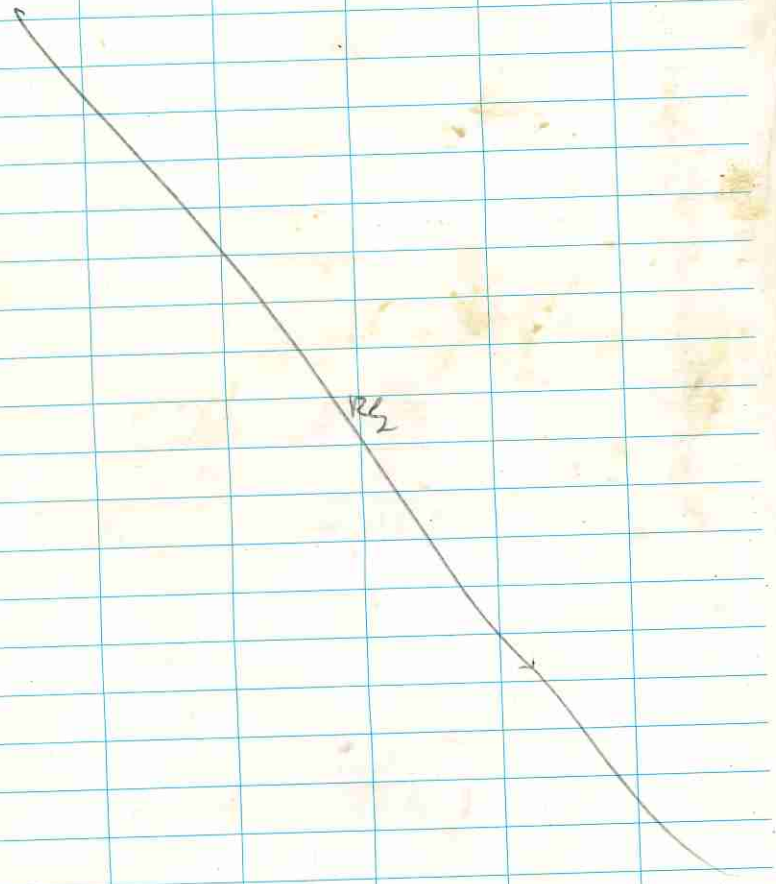
20

Location San Juan, PR Date 7-30-24

Project / Client Becharra Lands DMMA

RL/RR 117.24.1078.0001 88° sunny

1400	start drilling at SB-4	20 ft
1410	collect SB-4-0-2	
1435	collect SB-4-4-5	
1450	install TMW-4	19 ft
1530	leave site for day	



21

Location San Juan, PR Date 7-31-24

Project / Client Becharra Lands DMMA

RL/RR 117.24.1078.0001 88° rain, sun

0800	arrive onsite
0810	GET arrive, H&S briefing, calibrate YSI
0835	collect TMW-7
	3 VOA 1 metal 1.8270 1.8081 1.8IM
0930	collect TMW-9
	3 VOA 1 metal 0.5 8270, 0.5 8081, 0.5 5IM
1030	collect TMW-4
	3 VOA 1 metal 0.5 8270, 0.5 8081 0.5 3IM
1115	collect TMW-10
	complete set
1230	complete 1 bottle for TMW-9
1306	complete 1 bottle to TMW-4
1350	get GET truck stuck, we have skid steer
M10	leave site for today
	pack samples for shipment
0800	set up to drill @ SB-10
0810	collect SB-10-0-2
0945	install TMW-10 19 ft
1100	set up to drill @ SB-3
1115	collect SB-3-0-2
1140	collect SB-3-6-7
1150	install TMW-3 19 ft

Rite in the Rain

22

Location San Juan, PR Date 8-1-21

Project / Client Bechara Landa DMMO

RL/RR 117.24.1078,0001 rain 84°

0800 arrive onsite, GET onsite
1215 briefing, Calibrate YSI
0845 ~~bri~~ heavy equipment arrives
clear paths
1100 Start pumping @ TMW-3
DTW-6.40 19 ft
1110 collect TMW-3
complete set
1200 Start purging @ TMW-2
1240 collect TMW-2
complete set
1345 start purging TMW-6
1415 collect TMW-6
complete set
1445 clean up
1515 leave site for the day
0830 ~~collect~~ start drilling @ SB-2
1100 collect SB-2-0-2
1140 collect SB-2-7-8
0945 ~~1145~~ install TMW-2
1020 start drilling @ SB-4
1135 install TMW-4
1245 collect SB-6-0-2
1315 collect SB-4-5-6

23

Location Date

Project / Client

Rite in the Rain

APPENDIX C
Laboratory Analytical Results and Chains of Custody

Advanced Environmental Laboratories, Inc
6681 Southpoint Pkwy Jacksonville, FL 32216
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

August 16, 2024

Rick Levin
Aerostar SES LLC (ASL)
3550 St Johns Bluff Road South
Jacksonville, FL 32224

RE: Workorder: J2410906 Rio Puerto Nuevo DMMA

Dear Rick Levin:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday July 26, 2024. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christina M. Tompkins

Chris Tompkins, Project Manager
CTompkins@aellab.com

Certificate of Analysis

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6681 Southpoint Pkwy Jacksonville, FL 32216
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
J2410906001	SB-16-1.5-2.5	SO	DOD SW-846 8081B	07/23/2024 09:30	07/26/2024 09:00	22	Dry
J2410906001	SB-16-1.5-2.5	SO	DoD SW-846 6010C	07/23/2024 09:30	07/26/2024 09:00	12	Dry
J2410906001	SB-16-1.5-2.5	SO	DoD SW-846 6020A	07/23/2024 09:30	07/26/2024 09:00	1	Dry
J2410906001	SB-16-1.5-2.5	SO	DoD SW-846 7471A	07/23/2024 09:30	07/26/2024 09:00	1	Dry
J2410906001	SB-16-1.5-2.5	SO	DoD SW-846 8082A	07/23/2024 09:30	07/26/2024 09:00	9	Dry
J2410906001	SB-16-1.5-2.5	SO	DoD SW-846 8141B	07/23/2024 09:30	07/26/2024 09:00	25	Dry
J2410906001	SB-16-1.5-2.5	SO	DoD SW-846 8260C	07/23/2024 09:30	07/26/2024 09:00	49	Dry
J2410906001	SB-16-1.5-2.5	SO	DoD SW-846 8270D	07/23/2024 09:30	07/26/2024 09:00	65	Dry
J2410906001	SB-16-1.5-2.5	SO	SM 2540G	07/23/2024 09:30	07/26/2024 09:00	1	Dry
J2410906002	SB-16-4	SO	DOD SW-846 8081B	07/23/2024 09:50	07/26/2024 09:00	22	Dry
J2410906002	SB-16-4	SO	DoD SW-846 6010C	07/23/2024 09:50	07/26/2024 09:00	12	Dry
J2410906002	SB-16-4	SO	DoD SW-846 6020A	07/23/2024 09:50	07/26/2024 09:00	1	Dry
J2410906002	SB-16-4	SO	DoD SW-846 7471A	07/23/2024 09:50	07/26/2024 09:00	1	Dry
J2410906002	SB-16-4	SO	DoD SW-846 8082A	07/23/2024 09:50	07/26/2024 09:00	9	Dry
J2410906002	SB-16-4	SO	DoD SW-846 8141B	07/23/2024 09:50	07/26/2024 09:00	25	Dry
J2410906002	SB-16-4	SO	DoD SW-846 8260C	07/23/2024 09:50	07/26/2024 09:00	49	Dry
J2410906002	SB-16-4	SO	DoD SW-846 8270D	07/23/2024 09:50	07/26/2024 09:00	65	Dry
J2410906002	SB-16-4	SO	SM 2540G	07/23/2024 09:50	07/26/2024 09:00	1	Dry
J2410906003	SB-11-2-4	SO	DOD SW-846 8081B	07/23/2024 13:10	07/26/2024 09:00	22	Dry
J2410906003	SB-11-2-4	SO	DoD SW-846 6010C	07/23/2024 13:10	07/26/2024 09:00	12	Dry
J2410906003	SB-11-2-4	SO	DoD SW-846 6020A	07/23/2024 13:10	07/26/2024 09:00	1	Dry
J2410906003	SB-11-2-4	SO	DoD SW-846 7471A	07/23/2024 13:10	07/26/2024 09:00	1	Dry
J2410906003	SB-11-2-4	SO	DoD SW-846 8082A	07/23/2024 13:10	07/26/2024 09:00	9	Dry
J2410906003	SB-11-2-4	SO	DoD SW-846 8141B	07/23/2024 13:10	07/26/2024 09:00	25	Dry
J2410906003	SB-11-2-4	SO	DoD SW-846 8260C	07/23/2024 13:10	07/26/2024 09:00	49	Dry
J2410906003	SB-11-2-4	SO	DoD SW-846 8270D	07/23/2024 13:10	07/26/2024 09:00	65	Dry
J2410906003	SB-11-2-4	SO	SM 2540G	07/23/2024 13:10	07/26/2024 09:00	1	Dry
J2410906004	SB-11-8	SO	DOD SW-846 8081B	07/23/2024 13:25	07/26/2024 09:00	22	Dry
J2410906004	SB-11-8	SO	DoD SW-846 6010C	07/23/2024 13:25	07/26/2024 09:00	12	Dry
J2410906004	SB-11-8	SO	DoD SW-846 6020A	07/23/2024 13:25	07/26/2024 09:00	1	Dry
J2410906004	SB-11-8	SO	DoD SW-846 7471A	07/23/2024 13:25	07/26/2024 09:00	1	Dry
J2410906004	SB-11-8	SO	DoD SW-846 8082A	07/23/2024 13:25	07/26/2024 09:00	9	Dry
J2410906004	SB-11-8	SO	DoD SW-846 8141B	07/23/2024 13:25	07/26/2024 09:00	25	Dry
J2410906004	SB-11-8	SO	DoD SW-846 8260C	07/23/2024 13:25	07/26/2024 09:00	49	Dry
J2410906004	SB-11-8	SO	DoD SW-846 8270D	07/23/2024 13:25	07/26/2024 09:00	65	Dry

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
J2410906004	SB-11-8	SO	SM 2540G	07/23/2024 13:25	07/26/2024 09:00	1	Dry
J2410906005	SB-12-0-2	SO	DOD SW-846 8081B	07/23/2024 15:55	07/26/2024 09:00	22	Dry
J2410906005	SB-12-0-2	SO	DoD SW-846 6010C	07/23/2024 15:55	07/26/2024 09:00	12	Dry
J2410906005	SB-12-0-2	SO	DoD SW-846 6020A	07/23/2024 15:55	07/26/2024 09:00	1	Dry
J2410906005	SB-12-0-2	SO	DoD SW-846 7471A	07/23/2024 15:55	07/26/2024 09:00	1	Dry
J2410906005	SB-12-0-2	SO	DoD SW-846 8082A	07/23/2024 15:55	07/26/2024 09:00	9	Dry
J2410906005	SB-12-0-2	SO	DoD SW-846 8141B	07/23/2024 15:55	07/26/2024 09:00	25	Dry
J2410906005	SB-12-0-2	SO	DoD SW-846 8260C	07/23/2024 15:55	07/26/2024 09:00	49	Dry
J2410906005	SB-12-0-2	SO	DoD SW-846 8270D	07/23/2024 15:55	07/26/2024 09:00	65	Dry
J2410906005	SB-12-0-2	SO	SM 2540G	07/23/2024 15:55	07/26/2024 09:00	1	Dry
J2410906006	SB-13-0-4	SO	DOD SW-846 8081B	07/24/2024 10:10	07/26/2024 09:00	22	Dry
J2410906006	SB-13-0-4	SO	DoD SW-846 6010C	07/24/2024 10:10	07/26/2024 09:00	12	Dry
J2410906006	SB-13-0-4	SO	DoD SW-846 6020A	07/24/2024 10:10	07/26/2024 09:00	1	Dry
J2410906006	SB-13-0-4	SO	DoD SW-846 7471A	07/24/2024 10:10	07/26/2024 09:00	1	Dry
J2410906006	SB-13-0-4	SO	DoD SW-846 8082A	07/24/2024 10:10	07/26/2024 09:00	9	Dry
J2410906006	SB-13-0-4	SO	DoD SW-846 8141B	07/24/2024 10:10	07/26/2024 09:00	25	Dry
J2410906006	SB-13-0-4	SO	DoD SW-846 8260C	07/24/2024 10:10	07/26/2024 09:00	49	Dry
J2410906006	SB-13-0-4	SO	DoD SW-846 8270D	07/24/2024 10:10	07/26/2024 09:00	65	Dry
J2410906006	SB-13-0-4	SO	SM 2540G	07/24/2024 10:10	07/26/2024 09:00	1	Dry
J2410906007	SB-13-6-7	SO	DOD SW-846 8081B	07/24/2024 10:35	07/26/2024 09:00	22	Dry
J2410906007	SB-13-6-7	SO	DoD SW-846 6010C	07/24/2024 10:35	07/26/2024 09:00	12	Dry
J2410906007	SB-13-6-7	SO	DoD SW-846 6020A	07/24/2024 10:35	07/26/2024 09:00	1	Dry
J2410906007	SB-13-6-7	SO	DoD SW-846 7471A	07/24/2024 10:35	07/26/2024 09:00	1	Dry
J2410906007	SB-13-6-7	SO	DoD SW-846 8082A	07/24/2024 10:35	07/26/2024 09:00	9	Dry
J2410906007	SB-13-6-7	SO	DoD SW-846 8141B	07/24/2024 10:35	07/26/2024 09:00	25	Dry
J2410906007	SB-13-6-7	SO	DoD SW-846 8260C	07/24/2024 10:35	07/26/2024 09:00	49	Dry
J2410906007	SB-13-6-7	SO	DoD SW-846 8270D	07/24/2024 10:35	07/26/2024 09:00	65	Dry
J2410906007	SB-13-6-7	SO	SM 2540G	07/24/2024 10:35	07/26/2024 09:00	1	Dry
J2410906008	SB-14-6-7	SO	DOD SW-846 8081B	07/24/2024 12:15	07/26/2024 09:00	22	Dry
J2410906008	SB-14-6-7	SO	DoD SW-846 6010C	07/24/2024 12:15	07/26/2024 09:00	12	Dry
J2410906008	SB-14-6-7	SO	DoD SW-846 6020A	07/24/2024 12:15	07/26/2024 09:00	1	Dry
J2410906008	SB-14-6-7	SO	DoD SW-846 7471A	07/24/2024 12:15	07/26/2024 09:00	1	Dry
J2410906008	SB-14-6-7	SO	DoD SW-846 8082A	07/24/2024 12:15	07/26/2024 09:00	9	Dry
J2410906008	SB-14-6-7	SO	DoD SW-846 8141B	07/24/2024 12:15	07/26/2024 09:00	25	Dry
J2410906008	SB-14-6-7	SO	DoD SW-846 8260C	07/24/2024 12:15	07/26/2024 09:00	49	Dry

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
J2410906008	SB-14-6-7	SO	DoD SW-846 8270D	07/24/2024 12:15	07/26/2024 09:00	65	Dry
J2410906008	SB-14-6-7	SO	SM 2540G	07/24/2024 12:15	07/26/2024 09:00	1	Dry
J2410906009	SB-15-0-4	SO	DOD SW-846 8081B	07/24/2024 14:00	07/26/2024 09:00	22	Dry
J2410906009	SB-15-0-4	SO	DoD SW-846 6010C	07/24/2024 14:00	07/26/2024 09:00	12	Dry
J2410906009	SB-15-0-4	SO	DoD SW-846 6020A	07/24/2024 14:00	07/26/2024 09:00	1	Dry
J2410906009	SB-15-0-4	SO	DoD SW-846 7471A	07/24/2024 14:00	07/26/2024 09:00	1	Dry
J2410906009	SB-15-0-4	SO	DoD SW-846 8082A	07/24/2024 14:00	07/26/2024 09:00	9	Dry
J2410906009	SB-15-0-4	SO	DoD SW-846 8141B	07/24/2024 14:00	07/26/2024 09:00	25	Dry
J2410906009	SB-15-0-4	SO	DoD SW-846 8260C	07/24/2024 14:00	07/26/2024 09:00	49	Dry
J2410906009	SB-15-0-4	SO	DoD SW-846 8270D	07/24/2024 14:00	07/26/2024 09:00	65	Dry
J2410906009	SB-15-0-4	SO	SM 2540G	07/24/2024 14:00	07/26/2024 09:00	1	Dry
J2410906010	SB-15-8-9	SO	DOD SW-846 8081B	07/24/2024 14:45	07/26/2024 09:00	22	Dry
J2410906010	SB-15-8-9	SO	DoD SW-846 6010C	07/24/2024 14:45	07/26/2024 09:00	12	Dry
J2410906010	SB-15-8-9	SO	DoD SW-846 6020A	07/24/2024 14:45	07/26/2024 09:00	1	Dry
J2410906010	SB-15-8-9	SO	DoD SW-846 7471A	07/24/2024 14:45	07/26/2024 09:00	1	Dry
J2410906010	SB-15-8-9	SO	DoD SW-846 8082A	07/24/2024 14:45	07/26/2024 09:00	9	Dry
J2410906010	SB-15-8-9	SO	DoD SW-846 8141B	07/24/2024 14:45	07/26/2024 09:00	25	Dry
J2410906010	SB-15-8-9	SO	DoD SW-846 8260C	07/24/2024 14:45	07/26/2024 09:00	49	Dry
J2410906010	SB-15-8-9	SO	DoD SW-846 8270D	07/24/2024 14:45	07/26/2024 09:00	65	Dry
J2410906010	SB-15-8-9	SO	SM 2540G	07/24/2024 14:45	07/26/2024 09:00	1	Dry
J2410906011	SB-14-0-4	SO	DOD SW-846 8081B	07/24/2024 11:45	07/26/2024 09:00	22	Dry
J2410906011	SB-14-0-4	SO	DoD SW-846 6010C	07/24/2024 11:45	07/26/2024 09:00	12	Dry
J2410906011	SB-14-0-4	SO	DoD SW-846 6020A	07/24/2024 11:45	07/26/2024 09:00	1	Dry
J2410906011	SB-14-0-4	SO	DoD SW-846 7471A	07/24/2024 11:45	07/26/2024 09:00	1	Dry
J2410906011	SB-14-0-4	SO	DoD SW-846 8082A	07/24/2024 11:45	07/26/2024 09:00	9	Dry
J2410906011	SB-14-0-4	SO	DoD SW-846 8141B	07/24/2024 11:45	07/26/2024 09:00	25	Dry
J2410906011	SB-14-0-4	SO	DoD SW-846 8260C	07/24/2024 11:45	07/26/2024 09:00	49	Dry
J2410906011	SB-14-0-4	SO	DoD SW-846 8270D	07/24/2024 11:45	07/26/2024 09:00	65	Dry
J2410906011	SB-14-0-4	SO	SM 2540G	07/24/2024 11:45	07/26/2024 09:00	1	Dry

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Fax: (904) 363-9354

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Workorder Summary

Workorder Comments

Sample Id SB-14-0-4 was not on the chain of custody. After consulting with the client, the sample will be analyzed for the same analysis as the other samples on the chain of custody.

Analysis Results Comments

J2410906009 (SB-15-0-4) - 2,4,6-Tribromophenol

SD|Surrogate diluted out.

J2410906009 (SB-15-0-4) - 2-Fluorobiphenyl

SD|Surrogate diluted out.

J2410906009 (SB-15-0-4) - 2-Fluorophenol

SD|Surrogate diluted out.

J2410906009 (SB-15-0-4) - 2-Methylnaphthalene-d10

SD|Surrogate diluted out.

J2410906009 (SB-15-0-4) - Fluoranthene-d10

SD|Surrogate diluted out.

J2410906009 (SB-15-0-4) - Nitrobenzene-d5

SD|Surrogate diluted out.

J2410906009 (SB-15-0-4) - Phenol-d6

SD|Surrogate diluted out.

J2410906009 (SB-15-0-4) - p-Terphenyl-d14

SD|Surrogate diluted out.

J2410906010 (SB-15-8-9) - 2,4,6-Tribromophenol

SD|Surrogate diluted out.

J2410906010 (SB-15-8-9) - 2-Fluorobiphenyl

SD|Surrogate diluted out.

J2410906010 (SB-15-8-9) - 2-Fluorophenol

SD|Surrogate diluted out.

J2410906010 (SB-15-8-9) - 2-Methylnaphthalene-d10

SD|Surrogate diluted out.

J2410906010 (SB-15-8-9) - Fluoranthene-d10

SD|Surrogate diluted out.

J2410906010 (SB-15-8-9) - Nitrobenzene-d5

SD|Surrogate diluted out.

J2410906010 (SB-15-8-9) - Phenol-d6

SD|Surrogate diluted out.

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Workorder Summary

Analysis Results Comments

J2410906010 (SB-15-8-9) - p-Terphenyl-d14

SD|Surrogate diluted out.

J2410906011 (SB-14-0-4) - Mercury

J2410906011 was analyzed at dilution due to high mercury levels. The lowest possible dilution was performed to allow the analyte value to be within the calibration curve's highest level and to prevent possible carry over in the following sample analyses.

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results Qualifiers

Parameter Qualifiers

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
Q	One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Q	One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).
J	The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Lab Qualifiers

J	DOH Certification #E82574 (FL NELAC) AEL-Jacksonville DOD-ELAP Certification #L23-514 (ISO/IEC 17025:2017) AEL-Jacksonville

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906001 **Date Collected:** 07/23/2024 09:30 **Matrix:** Soil
Sample ID: SB-16-1.5-2.5 **Date Received:** 07/26/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.4U	mg/Kg	0.69	1.4	2.8	1	08/01/2024 11:43	08/03/2024 01:02	J
Barium	**56**	mg/Kg	1.4	2.8	5.5	2	08/01/2024 11:43	08/07/2024 16:23	J
Cadmium	0.14U	mg/Kg	0.069	0.14	0.28	1	08/01/2024 11:43	08/03/2024 01:02	J
Copper	**23**	mg/Kg	0.69	1.4	2.8	1	08/01/2024 11:43	08/03/2024 01:02	J
Nickel	**6.5**	mg/Kg	0.69	1.4	2.8	1	08/01/2024 11:43	08/03/2024 01:02	J
Silver	0.55U	mg/Kg	0.28	0.55	1.1	1	08/01/2024 11:43	08/03/2024 01:02	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.22J	mg/Kg	0.064	0.13	0.26	10	08/06/2024 07:15	08/07/2024 08:34	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.10**	mg/Kg	0.0017	0.0035	0.0069	1	08/12/2024 10:19	08/12/2024 13:03	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.011U	mg/Kg	0.0057	0.011	0.023	5	07/30/2024 10:00	07/31/2024 17:00	J
4,4`-DDE	0.011U	mg/Kg	0.0057	0.011	0.023	5	07/30/2024 10:00	07/31/2024 17:00	J
4,4`-DDT	0.091U	mg/Kg	0.045	0.091	0.18	20	07/30/2024 10:00	08/04/2024 16:17	J
Aldrin	0.011U	mg/Kg	0.0057	0.011	0.023	5	07/30/2024 10:00	07/31/2024 17:00	J
Chlordane (technical)	0.20U	mg/Kg	0.10	0.20	0.41	5	07/30/2024 10:00	07/31/2024 17:00	J
Dieldrin	0.011U	mg/Kg	0.0057	0.011	0.023	5	07/30/2024 10:00	07/31/2024 17:00	J
Endosulfan I	0.011U	mg/Kg	0.0057	0.011	0.023	5	07/30/2024 10:00	07/31/2024 17:00	J
Endosulfan II	0.011U	mg/Kg	0.0057	0.011	0.023	5	07/30/2024 10:00	07/31/2024 17:00	J
Endosulfan Sulfate	0.011U	mg/Kg	0.0057	0.011	0.023	5	07/30/2024 10:00	07/31/2024 17:00	J
Endrin	0.023U	mg/Kg	0.011	0.023	0.045	5	07/30/2024 10:00	07/31/2024 17:00	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906001 **Date Collected:** 07/23/2024 09:30 **Matrix:** Soil
Sample ID: SB-16-1.5-2.5 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.011U	mg/Kg	0.0057	0.011	0.023	5	07/30/2024 10:00	07/31/2024 17:00	J
Endrin ketone	0.011U	mg/Kg	0.0057	0.011	0.023	5	07/30/2024 10:00	07/31/2024 17:00	J
Heptachlor	0.011U	mg/Kg	0.0057	0.011	0.023	5	07/30/2024 10:00	07/31/2024 17:00	J
Heptachlor Epoxide	0.011U	mg/Kg	0.0057	0.011	0.023	5	07/30/2024 10:00	07/31/2024 17:00	J
Methoxychlor	0.045U	mg/Kg	0.023	0.045	0.091	20	07/30/2024 10:00	08/04/2024 16:17	J
Toxaphene	1.4U	mg/Kg	0.68	1.4	2.7	20	07/30/2024 10:00	08/04/2024 16:17	J
alpha-BHC	0.011U	mg/Kg	0.0057	0.011	0.023	5	07/30/2024 10:00	07/31/2024 17:00	J
alpha-Chlordane	0.023U	mg/Kg	0.017	0.023	0.045	5	07/30/2024 10:00	07/31/2024 17:00	J
beta-BHC	0.011U	mg/Kg	0.0057	0.011	0.023	5	07/30/2024 10:00	07/31/2024 17:00	J
delta-BHC	0.011U	mg/Kg	0.0057	0.011	0.023	5	07/30/2024 10:00	07/31/2024 17:00	J
gamma-BHC (Lindane)	0.011U	mg/Kg	0.0057	0.011	0.023	5	07/30/2024 10:00	07/31/2024 17:00	J
gamma-Chlordane	0.023U	mg/Kg	0.011	0.023	0.045	5	07/30/2024 10:00	07/31/2024 17:00	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.068U	mg/Kg	0.034	0.068	0.14	1	07/30/2024 10:00	07/31/2024 22:09	J
Aroclor 1221 (PCB-1221)	0.068U	mg/Kg	0.034	0.068	0.14	1	07/30/2024 10:00	07/31/2024 22:09	J
Aroclor 1232 (PCB-1232)	0.068U	mg/Kg	0.034	0.068	0.14	1	07/30/2024 10:00	07/31/2024 22:09	J
Aroclor 1242 (PCB-1242)	0.068U	mg/Kg	0.034	0.068	0.14	1	07/30/2024 10:00	07/31/2024 22:09	J
Aroclor 1248 (PCB-1248)	0.068U	mg/Kg	0.034	0.068	0.14	1	07/30/2024 10:00	07/31/2024 22:09	J
Aroclor 1254 (PCB-1254)	0.068U	mg/Kg	0.034	0.068	0.14	1	07/30/2024 10:00	07/31/2024 22:09	J
Aroclor 1260 (PCB-1260)	0.068U	mg/Kg	0.034	0.068	0.14	1	07/30/2024 10:00	07/31/2024 22:09	J
Aroclor 1262 (PCB-1262)	0.068U	mg/Kg	0.034	0.068	0.14	1	07/30/2024 10:00	07/31/2024 22:09	J
Aroclor 1268 (PCB-1268)	0.068U	mg/Kg	0.034	0.068	0.14	1	07/30/2024 10:00	07/31/2024 22:09	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J
Azinphos-methyl	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J
Chlorpyrifos	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J
Chlorpyrifos-methyl	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906001 **Date Collected:** 07/23/2024 09:30 **Matrix:** Soil
Sample ID: SB-16-1.5-2.5 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J
Demeton-O	23U	ug/Kg	11	23	45	1	07/30/2024 10:00	08/01/2024 20:51	J
Demeton-S	23U	ug/Kg	11	23	45	1	07/30/2024 10:00	08/01/2024 20:51	J
Diazinon	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J
Dimethoate	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J
Disulfoton	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J
Ethion	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J
Ethoprop	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J
Famphur	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J
Fensulfothion	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J
Fonophos	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J
Malathion	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J
Merphos	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J
Methyl Parathion	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J
Mevinphos	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J
Parathion (Ethyl)	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J
Phorate	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J
Phosmet	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J
Ronnel	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J
Simazine	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J
Sulfotep	45U	ug/Kg	23	45	91	1	07/30/2024 10:00	08/01/2024 20:51	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
2,4,6-Trichlorophenol	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
2,4-Dichlorophenol	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
2,4-Dimethylphenol	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
2,4-Dinitrophenol	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906001 **Date Collected:** 07/23/2024 09:30 **Matrix:** Soil
Sample ID: SB-16-1.5-2.5 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
2,6-Dinitrotoluene (2,6-DNT)	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
2-Chloronaphthalene	1.9U	mg/Kg	0.93	1.9	3.7	4	07/30/2024 10:00	08/07/2024 17:57	J
2-Chlorophenol	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
2-Methyl-4,6-dinitrophenol	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
2-Methylnaphthalene	0.056U	mg/Kg	0.028	0.056	0.11	4	07/30/2024 10:00	08/07/2024 17:57	J
2-Methylphenol (o-Cresol)	1.9U	mg/Kg	0.93	1.9	3.7	4	07/30/2024 10:00	08/07/2024 17:57	J
2-Nitroaniline	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
2-Nitrophenol	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
3+4-Methylphenol(mp-Cresol)	1.9U	mg/Kg	0.93	1.9	3.7	4	07/30/2024 10:00	08/07/2024 17:57	J
3,3`-Dichlorobenzidine	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
3-Nitroaniline	1.9U	mg/Kg	0.93	1.9	3.7	4	07/30/2024 10:00	08/07/2024 17:57	J
4-Bromophenyl Phenyl Ether	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
4-Chloro-3-methylphenol	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
4-Chloroaniline	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
4-Chlorophenyl Phenyl Ether	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
4-Nitroaniline	1.9U	mg/Kg	0.93	1.9	3.7	4	07/30/2024 10:00	08/07/2024 17:57	J
4-Nitrophenol	1.9U	mg/Kg	0.93	1.9	3.7	4	07/30/2024 10:00	08/07/2024 17:57	J
Acenaphthene	0.056U	mg/Kg	0.028	0.056	0.11	4	07/30/2024 10:00	08/07/2024 17:57	J
Acenaphthylene	0.056U	mg/Kg	0.028	0.056	0.11	4	07/30/2024 10:00	08/07/2024 17:57	J
Acetophenone	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
Anthracene	0.056U	mg/Kg	0.028	0.056	0.11	4	07/30/2024 10:00	08/07/2024 17:57	J
Atrazine	1.9U	mg/Kg	0.93	1.9	3.7	4	07/30/2024 10:00	08/07/2024 17:57	J
Benzaldehyde	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
Benzo[a]anthracene	0.056U	mg/Kg	0.028	0.056	0.11	4	07/30/2024 10:00	08/07/2024 17:57	J
Benzo[a]pyrene	0.089U	mg/Kg	0.044	0.089	0.18	4	07/30/2024 10:00	08/07/2024 17:57	J
Benzo[b]fluoranthene	0.056U	mg/Kg	0.028	0.056	0.11	4	07/30/2024 10:00	08/07/2024 17:57	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906001 **Date Collected:** 07/23/2024 09:30 **Matrix:** Soil
Sample ID: SB-16-1.5-2.5 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.056U	mg/Kg	0.028	0.056	0.11	4	07/30/2024 10:00	08/07/2024 17:57	J
Benzo[k]fluoranthene	0.056U	mg/Kg	0.028	0.056	0.11	4	07/30/2024 10:00	08/07/2024 17:57	J
Biphenyl	1.9U	mg/Kg	0.93	1.9	3.7	4	07/30/2024 10:00	08/07/2024 17:57	J
Butyl benzyl phthalate	1.9U	mg/Kg	0.93	1.9	3.7	4	07/30/2024 10:00	08/07/2024 17:57	J
Caprolactam	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
Carbazole	0.056U	mg/Kg	0.028	0.056	0.11	4	07/30/2024 10:00	08/07/2024 17:57	J
Chrysene	0.056U	mg/Kg	0.028	0.056	0.11	4	07/30/2024 10:00	08/07/2024 17:57	J
Di-n-Butyl Phthalate	1.9U	mg/Kg	0.93	1.9	3.7	4	07/30/2024 10:00	08/07/2024 17:57	J
Di-n-octyl Phthalate	1.9U	mg/Kg	0.93	1.9	3.7	4	07/30/2024 10:00	08/07/2024 17:57	J
Dibenzo[a,h]anthracene	0.056U	mg/Kg	0.028	0.056	0.11	4	07/30/2024 10:00	08/07/2024 17:57	J
Dibenzofuran	0.056U	mg/Kg	0.028	0.056	0.11	4	07/30/2024 10:00	08/07/2024 17:57	J
Diethyl phthalate	1.9U	mg/Kg	0.93	1.9	3.7	4	07/30/2024 10:00	08/07/2024 17:57	J
Dimethyl phthalate	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
Fluoranthene	0.056U	mg/Kg	0.028	0.056	0.11	4	07/30/2024 10:00	08/07/2024 17:57	J
Fluorene	0.056U	mg/Kg	0.028	0.056	0.11	4	07/30/2024 10:00	08/07/2024 17:57	J
Hexachlorobenzene	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
Hexachlorobutadiene	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
Hexachlorocyclopentadiene	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
Hexachloroethane	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
Indeno(1,2,3-cd)pyrene	0.056U	mg/Kg	0.028	0.056	0.11	4	07/30/2024 10:00	08/07/2024 17:57	J
Isophorone	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
N-Nitrosodi-n-propylamine	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
N-Nitrosodiphenylamine	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
Naphthalene	0.056U	mg/Kg	0.028	0.056	0.11	4	07/30/2024 10:00	08/07/2024 17:57	J
Nitrobenzene	1.9U	mg/Kg	0.93	1.9	3.7	4	07/30/2024 10:00	08/07/2024 17:57	J
Pentachlorophenol	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
Phenanthrene	0.056U	mg/Kg	0.028	0.056	0.11	4	07/30/2024 10:00	08/07/2024 17:57	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906001 **Date Collected:** 07/23/2024 09:30 **Matrix:** Soil
Sample ID: SB-16-1.5-2.5 **Date Received:** 07/26/2024 09:00

Parameter									
Phenol	1.9U	mg/Kg	0.93	1.9	3.7	4	07/30/2024 10:00	08/07/2024 17:57	J
Pyrene	0.056U	mg/Kg	0.028	0.056	0.11	4	07/30/2024 10:00	08/07/2024 17:57	J
bis(2-Chloroethyl)Ether	0.93U	mg/Kg	0.46	0.93	1.9	4	07/30/2024 10:00	08/07/2024 17:57	J
bis(2-Ethylhexyl) phthalate	1.9U	mg/Kg	0.93	1.9	3.7	4	07/30/2024 10:00	08/07/2024 17:57	J
(SM 2540G)									
Percent Moisture	**28**	%		0.0010	0.0010	1	07/31/2024 16:01	07/31/2024 16:01	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
1,1,2,2-Tetrachloroethane	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
1,1,2-Trichloroethane	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
1,1,2-Trichlorotrifluoroethane	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
1,1-Dichloroethane	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
1,1-Dichloroethylene	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
1,2,4-Trichlorobenzene	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
1,2-Dibromo-3-Chloropropane	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
1,2-Dichlorobenzene	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
1,2-Dichloroethane	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
1,2-Dichloropropane	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
1,3-Dichlorobenzene	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
1,4-Dichlorobenzene	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
1,4-Dioxane	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
2-Butanone (MEK)	0.0013J	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906001 **Date Collected:** 07/23/2024 09:30 **Matrix:** Soil
Sample ID: SB-16-1.5-2.5 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2-Hexanone	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
4-Methyl-2-pentanone (MIBK)	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Acetone	**0.060**	mg/Kg	0.0019	0.0038	0.0077	1	07/29/2024 21:02	07/29/2024 22:45	J
Benzene	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Bromodichloromethane	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Bromoform	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Bromomethane	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Carbon Disulfide	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Carbon Tetrachloride	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Chlorobenzene	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Chloroethane	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Chloroform	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Chloromethane	0.0038U	mg/Kg	0.0019	0.0038	0.0077	1	07/29/2024 21:02	07/29/2024 22:45	J
Cyclohexane	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Dibromochloromethane	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Dichlorodifluoromethane	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Ethylbenzene	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Ethylene Dibromide (EDB)	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Isopropylbenzene	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Methyl Acetate	**0.0039**	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Methyl Cyclohexane	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Methyl tert-butyl Ether (MTBE)	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906001 **Date Collected:** 07/23/2024 09:30 **Matrix:** Soil
Sample ID: SB-16-1.5-2.5 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Methylene Chloride	0.0038U	mg/Kg	0.0019	0.0038	0.0077	1	07/29/2024 21:02	07/29/2024 22:45	J
Styrene	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Tetrachloroethylene (PCE)	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Toluene	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Trichloroethene	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Trichlorofluoromethane	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Vinyl Chloride	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
Xylene (Total)	0.0058U	mg/Kg	0.0029	0.0058	0.012	1	07/29/2024 21:02	07/29/2024 22:45	J
cis-1,2-Dichloroethylene	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
cis-1,3-Dichloropropene	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
trans-1,2-Dichloroethylene	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J
trans-1,3-Dichloropropylene	0.0019U	mg/Kg	0.00096	0.0019	0.0038	1	07/29/2024 21:02	07/29/2024 22:45	J

Analysis Results Comments

1,1,1-Trichloroethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,1,2,2-Tetrachloroethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,1,2-Trichloroethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,1,2-Trichlorotrifluoroethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,1-Dichloroethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Analysis Results Comments

1,1-Dichloroethylene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,2,4-Trichlorobenzene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,2-Dibromo-3-Chloropropane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,2-Dichlorobenzene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,2-Dichloroethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,2-Dichloropropane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,3-Dichlorobenzene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,4-Dichlorobenzene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,4-Dioxane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

2-Butanone (MEK)

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

2-Hexanone

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

4-Methyl-2-pentanone (MIBK)

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Acetone

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Antimony

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

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Fax: (904) 363-9354

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Analysis Results Comments

Arsenic

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Barium

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Benzene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Bromodichloromethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Bromoform

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Bromomethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Cadmium

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Carbon Disulfide

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Carbon Tetrachloride

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Chlorobenzene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Chloroethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Chloroform

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Chloromethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Chromium

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Copper

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Analysis Results Comments

Cyclohexane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Dibromochloromethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Dichlorodifluoromethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Ethylbenzene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Ethylene Dibromide (EDB)

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Isopropylbenzene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Methyl Acetate

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Methyl Cyclohexane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Methyl tert-butyl Ether (MTBE)

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Methylene Chloride

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Nickel

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Selenium

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Styrene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloroethylene (PCE)

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

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Analytical Results

Analysis Results Comments

Toluene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Tributylphosphate

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Trichloroethene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Trichlorofluoromethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Vinyl Chloride

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Xylene (Total)

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

cis-1,2-Dichloroethylene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

cis-1,3-Dichloropropene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

trans-1,2-Dichloroethylene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

trans-1,3-Dichloropropylene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	46.20	47.50	103	71 - 136	J
Toluene-d8 (S)	ug/Kg	46.20	46.30	100	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	46.20	48.60	105	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0818	0.0906	111	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1640	0.1710	105	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1670	1150	69	39 - 132	J
Phenol-d6 (S)	ug/Kg	1670	1130	67	33 - 122	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	ug/Kg	1670	1230	74	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1670	1120	67	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1670	1140	68	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1670	1240	74	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1670	1260	75	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1670	1400	84	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0818	0.1090	**133**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1640	0.2130	**130**	42 - 129	J
Tributylphosphate (S)	ug/Kg	164	198	**121**	63 - 111	J

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Fax: (904) 363-9354

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906002 **Date Collected:** 07/23/2024 09:50 **Matrix:** Soil
Sample ID: SB-16-4 **Date Received:** 07/26/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.3U	mg/Kg	0.63	1.3	2.5	1	08/01/2024 11:43	08/03/2024 01:21	J
Barium	**10**	mg/Kg	0.63	1.3	2.5	1	08/01/2024 11:43	08/03/2024 01:21	J
Cadmium	0.13U	mg/Kg	0.063	0.13	0.25	1	08/01/2024 11:43	08/03/2024 01:21	J
Copper	**8.0**	mg/Kg	0.63	1.3	2.5	1	08/01/2024 11:43	08/03/2024 01:21	J
Nickel	**3.3**	mg/Kg	0.63	1.3	2.5	1	08/01/2024 11:43	08/03/2024 01:21	J
Silver	0.51U	mg/Kg	0.25	0.51	1.0	1	08/01/2024 11:43	08/03/2024 01:21	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.12U	mg/Kg	0.062	0.12	0.25	10	08/06/2024 07:15	08/07/2024 08:51	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.014**	mg/Kg	0.0015	0.0030	0.0060	1	08/12/2024 10:19	08/12/2024 13:18	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/30/2024 10:00	07/31/2024 17:21	J
4,4`-DDE	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/30/2024 10:00	07/31/2024 17:21	J
4,4`-DDT	0.020U	mg/Kg	0.0098	0.020	0.039	5	07/30/2024 10:00	08/04/2024 16:38	J
Aldrin	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/30/2024 10:00	07/31/2024 17:21	J
Chlordane (technical)	0.035U	mg/Kg	0.018	0.035	0.071	1	07/30/2024 10:00	07/31/2024 17:21	J
Dieldrin	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/30/2024 10:00	07/31/2024 17:21	J
Endosulfan I	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/30/2024 10:00	07/31/2024 17:21	J
Endosulfan II	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/30/2024 10:00	07/31/2024 17:21	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906002 **Date Collected:** 07/23/2024 09:50 **Matrix:** Soil
Sample ID: SB-16-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endosulfan Sulfate	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/30/2024 10:00	07/31/2024 17:21	J
Endrin	0.0039U	mg/Kg	0.0020	0.0039	0.0079	1	07/30/2024 10:00	07/31/2024 17:21	J
Endrin Aldehyde	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/30/2024 10:00	07/31/2024 17:21	J
Endrin ketone	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/30/2024 10:00	07/31/2024 17:21	J
Heptachlor	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/30/2024 10:00	07/31/2024 17:21	J
Heptachlor Epoxide	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/30/2024 10:00	07/31/2024 17:21	J
Methoxychlor	0.0098U	mg/Kg	0.0049	0.0098	0.020	5	07/30/2024 10:00	08/04/2024 16:38	J
Toxaphene	0.30U	mg/Kg	0.15	0.30	0.59	5	07/30/2024 10:00	08/04/2024 16:38	J
alpha-BHC	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/30/2024 10:00	07/31/2024 17:21	J
alpha-Chlordane	0.0039U	mg/Kg	0.0030	0.0039	0.0079	1	07/30/2024 10:00	07/31/2024 17:21	J
beta-BHC	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/30/2024 10:00	07/31/2024 17:21	J
delta-BHC	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/30/2024 10:00	07/31/2024 17:21	J
gamma-BHC (Lindane)	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/30/2024 10:00	07/31/2024 17:21	J
gamma-Chlordane	0.0039U	mg/Kg	0.0020	0.0039	0.0079	1	07/30/2024 10:00	07/31/2024 17:21	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.059U	mg/Kg	0.030	0.059	0.12	1	07/30/2024 10:00	07/31/2024 22:30	J
Aroclor 1221 (PCB-1221)	0.059U	mg/Kg	0.030	0.059	0.12	1	07/30/2024 10:00	07/31/2024 22:30	J
Aroclor 1232 (PCB-1232)	0.059U	mg/Kg	0.030	0.059	0.12	1	07/30/2024 10:00	07/31/2024 22:30	J
Aroclor 1242 (PCB-1242)	0.059U	mg/Kg	0.030	0.059	0.12	1	07/30/2024 10:00	07/31/2024 22:30	J
Aroclor 1248 (PCB-1248)	0.059U	mg/Kg	0.030	0.059	0.12	1	07/30/2024 10:00	07/31/2024 22:30	J
Aroclor 1254 (PCB-1254)	0.059U	mg/Kg	0.030	0.059	0.12	1	07/30/2024 10:00	07/31/2024 22:30	J
Aroclor 1260 (PCB-1260)	0.059U	mg/Kg	0.030	0.059	0.12	1	07/30/2024 10:00	07/31/2024 22:30	J
Aroclor 1262 (PCB-1262)	0.059U	mg/Kg	0.030	0.059	0.12	1	07/30/2024 10:00	07/31/2024 22:30	J
Aroclor 1268 (PCB-1268)	0.059U	mg/Kg	0.030	0.059	0.12	1	07/30/2024 10:00	07/31/2024 22:30	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906002 **Date Collected:** 07/23/2024 09:50 **Matrix:** Soil
Sample ID: SB-16-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Atrazine	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
Azinphos-methyl	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
Chlorpyrifos	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
Chlorpyrifos-methyl	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
Demeton	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
Demeton-O	20U	ug/Kg	9.8	20	39	1	07/30/2024 10:00	08/01/2024 21:22	J
Demeton-S	20U	ug/Kg	9.8	20	39	1	07/30/2024 10:00	08/01/2024 21:22	J
Diazinon	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
Dimethoate	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
Disulfoton	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
Ethion	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
Ethoprop	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
Famphur	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
Fensulfothion	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
Fonophos	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
Malathion	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
Merphos	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
Methyl Parathion	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
Mevinphos	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
Parathion (Ethyl)	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
Phorate	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
Phosmet	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
Ronnel	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
Simazine	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
Sulfotep	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 21:22	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906002 **Date Collected:** 07/23/2024 09:50 **Matrix:** Soil
Sample ID: SB-16-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4,6-Trichlorophenol	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
2,4-Dichlorophenol	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
2,4-Dimethylphenol	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
2,4-Dinitrophenol	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
2,4-Dinitrotoluene (2,4-DNT)	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
2,6-Dinitrotoluene (2,6-DNT)	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
2-Chloronaphthalene	0.41U	mg/Kg	0.20	0.41	0.81	1	07/30/2024 10:00	08/06/2024 19:18	J
2-Chlorophenol	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
2-Methyl-4,6-dinitrophenol	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
2-Methylnaphthalene	0.012U	mg/Kg	0.0061	0.012	0.024	1	07/30/2024 10:00	08/06/2024 19:18	J
2-Methylphenol (o-Cresol)	0.41U	mg/Kg	0.20	0.41	0.81	1	07/30/2024 10:00	08/06/2024 19:18	J
2-Nitroaniline	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
2-Nitrophenol	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
3+4-Methylphenol(mp-Cresol)	0.41U	mg/Kg	0.20	0.41	0.81	1	07/30/2024 10:00	08/06/2024 19:18	J
3,3`-Dichlorobenzidine	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
3-Nitroaniline	0.41U	mg/Kg	0.20	0.41	0.81	1	07/30/2024 10:00	08/06/2024 19:18	J
4-Bromophenyl Phenyl Ether	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
4-Chloro-3-methylphenol	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
4-Chloroaniline	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
4-Chlorophenyl Phenyl Ether	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
4-Nitroaniline	0.41U	mg/Kg	0.20	0.41	0.81	1	07/30/2024 10:00	08/06/2024 19:18	J
4-Nitrophenol	0.41U	mg/Kg	0.20	0.41	0.81	1	07/30/2024 10:00	08/06/2024 19:18	J
Acenaphthene	0.012U	mg/Kg	0.0061	0.012	0.024	1	07/30/2024 10:00	08/06/2024 19:18	J
Acenaphthylene	0.012U	mg/Kg	0.0061	0.012	0.024	1	07/30/2024 10:00	08/06/2024 19:18	J
Acetophenone	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
Anthracene	0.012U	mg/Kg	0.0061	0.012	0.024	1	07/30/2024 10:00	08/06/2024 19:18	J
Atrazine	0.41U	mg/Kg	0.20	0.41	0.81	1	07/30/2024 10:00	08/06/2024 19:18	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906002 **Date Collected:** 07/23/2024 09:50 **Matrix:** Soil
Sample ID: SB-16-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzaldehyde	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
Benzo[a]anthracene	0.012U	mg/Kg	0.0061	0.012	0.024	1	07/30/2024 10:00	08/06/2024 19:18	J
Benzo[a]pyrene	0.019U	mg/Kg	0.0097	0.019	0.039	1	07/30/2024 10:00	08/06/2024 19:18	J
Benzo[b]fluoranthene	0.012U	mg/Kg	0.0061	0.012	0.024	1	07/30/2024 10:00	08/06/2024 19:18	J
Benzo[g,h,i]perylene	0.012U	mg/Kg	0.0061	0.012	0.024	1	07/30/2024 10:00	08/06/2024 19:18	J
Benzo[k]fluoranthene	0.012U	mg/Kg	0.0061	0.012	0.024	1	07/30/2024 10:00	08/06/2024 19:18	J
Biphenyl	0.41U	mg/Kg	0.20	0.41	0.81	1	07/30/2024 10:00	08/06/2024 19:18	J
Butyl benzyl phthalate	0.41U	mg/Kg	0.20	0.41	0.81	1	07/30/2024 10:00	08/06/2024 19:18	J
Caprolactam	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
Carbazole	0.012U	mg/Kg	0.0061	0.012	0.024	1	07/30/2024 10:00	08/06/2024 19:18	J
Chrysene	0.012U	mg/Kg	0.0061	0.012	0.024	1	07/30/2024 10:00	08/06/2024 19:18	J
Di-n-Butyl Phthalate	0.41U	mg/Kg	0.20	0.41	0.81	1	07/30/2024 10:00	08/06/2024 19:18	J
Di-n-octyl Phthalate	0.41U	mg/Kg	0.20	0.41	0.81	1	07/30/2024 10:00	08/06/2024 19:18	J
Dibenzo[a,h]anthracene	0.012U	mg/Kg	0.0061	0.012	0.024	1	07/30/2024 10:00	08/06/2024 19:18	J
Dibenzofuran	0.012U	mg/Kg	0.0061	0.012	0.024	1	07/30/2024 10:00	08/06/2024 19:18	J
Diethyl phthalate	0.41U	mg/Kg	0.20	0.41	0.81	1	07/30/2024 10:00	08/06/2024 19:18	J
Dimethyl phthalate	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
Fluoranthene	0.012U	mg/Kg	0.0061	0.012	0.024	1	07/30/2024 10:00	08/06/2024 19:18	J
Fluorene	0.012U	mg/Kg	0.0061	0.012	0.024	1	07/30/2024 10:00	08/06/2024 19:18	J
Hexachlorobenzene	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
Hexachlorobutadiene	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
Hexachlorocyclopentadiene	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
Hexachloroethane	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
Indeno(1,2,3-cd)pyrene	0.012U	mg/Kg	0.0061	0.012	0.024	1	07/30/2024 10:00	08/06/2024 19:18	J
Isophorone	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
N-Nitrosodi-n-propylamine	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
N-Nitrosodiphenylamine	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906002 **Date Collected:** 07/23/2024 09:50 **Matrix:** Soil
Sample ID: SB-16-4 **Date Received:** 07/26/2024 09:00

Parameter									
Naphthalene	0.012U	mg/Kg	0.0061	0.012	0.024	1	07/30/2024 10:00	08/06/2024 19:18	J
Nitrobenzene	0.41U	mg/Kg	0.20	0.41	0.81	1	07/30/2024 10:00	08/06/2024 19:18	J
Phenanthrene	0.012U	mg/Kg	0.0061	0.012	0.024	1	07/30/2024 10:00	08/06/2024 19:18	J
Pyrene	0.012U	mg/Kg	0.0061	0.012	0.024	1	07/30/2024 10:00	08/06/2024 19:18	J
bis(2-Chloroethyl)Ether	0.20U	mg/Kg	0.10	0.20	0.41	1	07/30/2024 10:00	08/06/2024 19:18	J
bis(2-Ethylhexyl) phthalate	0.41U	mg/Kg	0.20	0.41	0.81	1	07/30/2024 10:00	08/06/2024 19:18	J
(SM 2540G)									
Percent Moisture	**18**	%		0.0010	0.0010	1	07/31/2024 16:01	07/31/2024 16:01	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
1,1,2,2-Tetrachloroethane	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
1,1,2-Trichloroethane	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
1,1,2-Trichlorotrifluoroethane	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
1,1-Dichloroethane	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
1,1-Dichloroethylene	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
1,2,4-Trichlorobenzene	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
1,2-Dibromo-3-Chloropropane	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
1,2-Dichlorobenzene	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
1,2-Dichloroethane	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
1,2-Dichloropropane	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
1,3-Dichlorobenzene	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906002 **Date Collected:** 07/23/2024 09:50 **Matrix:** Soil
Sample ID: SB-16-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
1,4-Dichlorobenzene	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
1,4-Dioxane	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
2-Butanone (MEK)	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
2-Hexanone	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
4-Methyl-2-pentanone (MIBK)	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Acetone	**0.021**	mg/Kg	0.0016	0.0031	0.0062	1	07/29/2024 21:02	07/29/2024 23:11	J
Benzene	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Bromodichloromethane	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Bromoform	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Bromomethane	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Carbon Disulfide	0.0014J	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Carbon Tetrachloride	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Chlorobenzene	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Chloroethane	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Chloroform	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Chloromethane	0.0031U	mg/Kg	0.0016	0.0031	0.0062	1	07/29/2024 21:02	07/29/2024 23:11	J
Cyclohexane	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Dibromochloromethane	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Dichlorodifluoromethane	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Ethylbenzene	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Ethylene Dibromide (EDB)	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Isopropylbenzene	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906002 **Date Collected:** 07/23/2024 09:50 **Matrix:** Soil
Sample ID: SB-16-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Methyl Acetate	0.0022J	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Methyl Cyclohexane	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Methyl tert-butyl Ether (MTBE)	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Methylene Chloride	0.0031U	mg/Kg	0.0016	0.0031	0.0062	1	07/29/2024 21:02	07/29/2024 23:11	J
Styrene	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Tetrachloroethylene (PCE)	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Toluene	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Trichloroethene	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Trichlorofluoromethane	0.0019J	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Vinyl Chloride	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
Xylene (Total)	0.0047U	mg/Kg	0.0023	0.0047	0.0093	1	07/29/2024 21:02	07/29/2024 23:11	J
cis-1,2-Dichloroethylene	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
cis-1,3-Dichloropropene	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
trans-1,2-Dichloroethylene	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J
trans-1,3-Dichloropropylene	0.0016U	mg/Kg	0.00078	0.0016	0.0031	1	07/29/2024 21:02	07/29/2024 23:11	J

Analysis Results Comments

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	42.20	42.30	100	71 - 136	J
Toluene-d8 (S)	ug/Kg	42.20	41.70	99	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	42.20	44.40	105	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0803	0.0912	114	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1610	0.1680	104	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1660	1280	77	39 - 132	J
Phenol-d6 (S)	ug/Kg	1660	1240	75	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1660	1250	76	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1660	1230	75	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1660	1200	73	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1660	1330	80	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1660	1320	80	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1660	1480	89	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0803	0.0915	114	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1610	0.1710	107	42 - 129	J
Tributylphosphate (S)	ug/Kg	161	161	101	63 - 111	J

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906003 **Date Collected:** 07/23/2024 13:10 **Matrix:** Soil
Sample ID: SB-11-2-4 **Date Received:** 07/26/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.1U	mg/Kg	0.55	1.1	2.2	1	08/01/2024 11:43	08/03/2024 01:24	J
Barium	**75**	mg/Kg	2.7	5.5	11	5	08/01/2024 11:43	08/07/2024 16:41	J
Cadmium	0.11U	mg/Kg	0.055	0.11	0.22	1	08/01/2024 11:43	08/03/2024 01:24	J
Copper	**57**	mg/Kg	0.55	1.1	2.2	1	08/01/2024 11:43	08/03/2024 01:24	J
Nickel	**4.4**	mg/Kg	0.55	1.1	2.2	1	08/01/2024 11:43	08/03/2024 01:24	J
Silver	0.44U	mg/Kg	0.22	0.44	0.88	1	08/01/2024 11:43	08/03/2024 01:24	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	**0.26**	mg/Kg	0.056	0.11	0.22	10	08/06/2024 07:15	08/07/2024 08:55	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.035**	mg/Kg	0.0014	0.0028	0.0057	1	08/12/2024 10:19	08/12/2024 13:21	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.017U	mg/Kg	0.0084	0.017	0.033	10	07/30/2024 10:00	07/31/2024 17:42	J
4,4`-DDE	0.017U	mg/Kg	0.0084	0.017	0.033	10	07/30/2024 10:00	07/31/2024 17:42	J
4,4`-DDT	0.17U	mg/Kg	0.084	0.17	0.33	50	07/30/2024 10:00	08/04/2024 16:59	J
Aldrin	0.017U	mg/Kg	0.0084	0.017	0.033	10	07/30/2024 10:00	07/31/2024 17:42	J
Chlordane (technical)	0.30U	mg/Kg	0.15	0.30	0.60	10	07/30/2024 10:00	07/31/2024 17:42	J
Dieldrin	0.017U	mg/Kg	0.0084	0.017	0.033	10	07/30/2024 10:00	07/31/2024 17:42	J
Endosulfan I	0.017U	mg/Kg	0.0084	0.017	0.033	10	07/30/2024 10:00	07/31/2024 17:42	J
Endosulfan II	0.017U	mg/Kg	0.0084	0.017	0.033	10	07/30/2024 10:00	07/31/2024 17:42	J
Endosulfan Sulfate	0.017U	mg/Kg	0.0084	0.017	0.033	10	07/30/2024 10:00	07/31/2024 17:42	J
Endrin	0.033U	mg/Kg	0.017	0.033	0.067	10	07/30/2024 10:00	07/31/2024 17:42	J

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Fax: (904) 363-9354

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906003 **Date Collected:** 07/23/2024 13:10 **Matrix:** Soil
Sample ID: SB-11-2-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.017U	mg/Kg	0.0084	0.017	0.033	10	07/30/2024 10:00	07/31/2024 17:42	J
Endrin ketone	0.017U	mg/Kg	0.0084	0.017	0.033	10	07/30/2024 10:00	07/31/2024 17:42	J
Heptachlor	0.017U	mg/Kg	0.0084	0.017	0.033	10	07/30/2024 10:00	07/31/2024 17:42	J
Heptachlor Epoxide	0.017U	mg/Kg	0.0084	0.017	0.033	10	07/30/2024 10:00	07/31/2024 17:42	J
Methoxychlor	0.084U	mg/Kg	0.042	0.084	0.17	50	07/30/2024 10:00	08/04/2024 16:59	J
Toxaphene	2.5U	mg/Kg	1.3	2.5	5.0	50	07/30/2024 10:00	08/04/2024 16:59	J
alpha-BHC	0.017U	mg/Kg	0.0084	0.017	0.033	10	07/30/2024 10:00	07/31/2024 17:42	J
alpha-Chlordane	0.033U	mg/Kg	0.025	0.033	0.067	10	07/30/2024 10:00	07/31/2024 17:42	J
beta-BHC	0.017U	mg/Kg	0.0084	0.017	0.033	10	07/30/2024 10:00	07/31/2024 17:42	J
delta-BHC	0.017U	mg/Kg	0.0084	0.017	0.033	10	07/30/2024 10:00	07/31/2024 17:42	J
gamma-BHC (Lindane)	0.017U	mg/Kg	0.0084	0.017	0.033	10	07/30/2024 10:00	07/31/2024 17:42	J
gamma-Chlordane	0.033U	mg/Kg	0.017	0.033	0.067	10	07/30/2024 10:00	07/31/2024 17:42	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.050U	mg/Kg	0.025	0.050	0.10	1	07/30/2024 10:00	07/31/2024 22:51	J
Aroclor 1221 (PCB-1221)	0.050U	mg/Kg	0.025	0.050	0.10	1	07/30/2024 10:00	07/31/2024 22:51	J
Aroclor 1232 (PCB-1232)	0.050U	mg/Kg	0.025	0.050	0.10	1	07/30/2024 10:00	07/31/2024 22:51	J
Aroclor 1242 (PCB-1242)	0.050U	mg/Kg	0.025	0.050	0.10	1	07/30/2024 10:00	07/31/2024 22:51	J
Aroclor 1248 (PCB-1248)	0.050U	mg/Kg	0.025	0.050	0.10	1	07/30/2024 10:00	07/31/2024 22:51	J
Aroclor 1254 (PCB-1254)	0.050U	mg/Kg	0.025	0.050	0.10	1	07/30/2024 10:00	07/31/2024 22:51	J
Aroclor 1260 (PCB-1260)	0.050U	mg/Kg	0.025	0.050	0.10	1	07/30/2024 10:00	07/31/2024 22:51	J
Aroclor 1262 (PCB-1262)	0.050U	mg/Kg	0.025	0.050	0.10	1	07/30/2024 10:00	07/31/2024 22:51	J
Aroclor 1268 (PCB-1268)	0.050U	mg/Kg	0.025	0.050	0.10	1	07/30/2024 10:00	07/31/2024 22:51	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J
Azinphos-methyl	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J
Chlorpyrifos	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J
Chlorpyrifos-methyl	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906003 **Date Collected:** 07/23/2024 13:10 **Matrix:** Soil
Sample ID: SB-11-2-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J
Demeton-O	17U	ug/Kg	8.4	17	33	1	07/30/2024 10:00	08/01/2024 21:52	J
Demeton-S	17U	ug/Kg	8.4	17	33	1	07/30/2024 10:00	08/01/2024 21:52	J
Diazinon	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J
Dimethoate	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J
Disulfoton	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J
Ethion	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J
Ethoprop	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J
Famphur	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J
Fensulfothion	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J
Fonophos	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J
Malathion	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J
Merphos	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J
Methyl Parathion	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J
Mevinphos	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J
Parathion (Ethyl)	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J
Phorate	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J
Phosmet	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J
Ronnel	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J
Simazine	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J
Sulfotep	33U	ug/Kg	17	33	67	1	07/30/2024 10:00	08/01/2024 21:52	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
2,4,6-Trichlorophenol	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
2,4-Dichlorophenol	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
2,4-Dimethylphenol	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
2,4-Dinitrophenol	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J

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Fax: (904) 363-9354

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906003 **Date Collected:** 07/23/2024 13:10 **Matrix:** Soil
Sample ID: SB-11-2-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
2,6-Dinitrotoluene (2,6-DNT)	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
2-Chloronaphthalene	0.38U	mg/Kg	0.19	0.38	0.75	1	07/30/2024 10:00	08/07/2024 15:12	J
2-Chlorophenol	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
2-Methyl-4,6-dinitrophenol	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
2-Methylnaphthalene	0.011U	mg/Kg	0.0056	0.011	0.023	1	07/30/2024 10:00	08/07/2024 15:12	J
2-Methylphenol (o-Cresol)	0.38U	mg/Kg	0.19	0.38	0.75	1	07/30/2024 10:00	08/07/2024 15:12	J
2-Nitroaniline	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
2-Nitrophenol	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
3+4-Methylphenol(mp-Cresol)	0.38U	mg/Kg	0.19	0.38	0.75	1	07/30/2024 10:00	08/07/2024 15:12	J
3,3`-Dichlorobenzidine	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
3-Nitroaniline	0.38U	mg/Kg	0.19	0.38	0.75	1	07/30/2024 10:00	08/07/2024 15:12	J
4-Bromophenyl Phenyl Ether	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
4-Chloro-3-methylphenol	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
4-Chloroaniline	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
4-Chlorophenyl Phenyl Ether	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
4-Nitroaniline	0.38U	mg/Kg	0.19	0.38	0.75	1	07/30/2024 10:00	08/07/2024 15:12	J
4-Nitrophenol	0.38U	mg/Kg	0.19	0.38	0.75	1	07/30/2024 10:00	08/07/2024 15:12	J
Acenaphthene	0.011U	mg/Kg	0.0056	0.011	0.023	1	07/30/2024 10:00	08/07/2024 15:12	J
Acenaphthylene	0.011U	mg/Kg	0.0056	0.011	0.023	1	07/30/2024 10:00	08/07/2024 15:12	J
Acetophenone	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
Anthracene	0.011U	mg/Kg	0.0056	0.011	0.023	1	07/30/2024 10:00	08/07/2024 15:12	J
Atrazine	0.38U	mg/Kg	0.19	0.38	0.75	1	07/30/2024 10:00	08/07/2024 15:12	J
Benzaldehyde	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
Benzo[a]anthracene	0.011U	mg/Kg	0.0056	0.011	0.023	1	07/30/2024 10:00	08/07/2024 15:12	J
Benzo[a]pyrene	0.018U	mg/Kg	0.0090	0.018	0.036	1	07/30/2024 10:00	08/07/2024 15:12	J
Benzo[b]fluoranthene	0.011U	mg/Kg	0.0056	0.011	0.023	1	07/30/2024 10:00	08/07/2024 15:12	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906003 **Date Collected:** 07/23/2024 13:10 **Matrix:** Soil
Sample ID: SB-11-2-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.011U	mg/Kg	0.0056	0.011	0.023	1	07/30/2024 10:00	08/07/2024 15:12	J
Benzo[k]fluoranthene	0.011U	mg/Kg	0.0056	0.011	0.023	1	07/30/2024 10:00	08/07/2024 15:12	J
Biphenyl	0.38U	mg/Kg	0.19	0.38	0.75	1	07/30/2024 10:00	08/07/2024 15:12	J
Butyl benzyl phthalate	0.38U	mg/Kg	0.19	0.38	0.75	1	07/30/2024 10:00	08/07/2024 15:12	J
Caprolactam	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
Carbazole	0.011U	mg/Kg	0.0056	0.011	0.023	1	07/30/2024 10:00	08/07/2024 15:12	J
Chrysene	0.011U	mg/Kg	0.0056	0.011	0.023	1	07/30/2024 10:00	08/07/2024 15:12	J
Di-n-Butyl Phthalate	0.38U	mg/Kg	0.19	0.38	0.75	1	07/30/2024 10:00	08/07/2024 15:12	J
Di-n-octyl Phthalate	0.38U	mg/Kg	0.19	0.38	0.75	1	07/30/2024 10:00	08/07/2024 15:12	J
Dibenzo[a,h]anthracene	0.011U	mg/Kg	0.0056	0.011	0.023	1	07/30/2024 10:00	08/07/2024 15:12	J
Dibenzofuran	0.011U	mg/Kg	0.0056	0.011	0.023	1	07/30/2024 10:00	08/07/2024 15:12	J
Diethyl phthalate	0.38U	mg/Kg	0.19	0.38	0.75	1	07/30/2024 10:00	08/07/2024 15:12	J
Dimethyl phthalate	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
Fluoranthene	0.011U	mg/Kg	0.0056	0.011	0.023	1	07/30/2024 10:00	08/07/2024 15:12	J
Fluorene	0.011U	mg/Kg	0.0056	0.011	0.023	1	07/30/2024 10:00	08/07/2024 15:12	J
Hexachlorobenzene	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
Hexachlorobutadiene	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
Hexachlorocyclopentadiene	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
Hexachloroethane	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
Indeno(1,2,3-cd)pyrene	0.011U	mg/Kg	0.0056	0.011	0.023	1	07/30/2024 10:00	08/07/2024 15:12	J
Isophorone	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
N-Nitrosodi-n-propylamine	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
N-Nitrosodiphenylamine	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
Naphthalene	0.011U	mg/Kg	0.0056	0.011	0.023	1	07/30/2024 10:00	08/07/2024 15:12	J
Nitrobenzene	0.38U	mg/Kg	0.19	0.38	0.75	1	07/30/2024 10:00	08/07/2024 15:12	J
Pentachlorophenol	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
Phenanthrene	0.011U	mg/Kg	0.0056	0.011	0.023	1	07/30/2024 10:00	08/07/2024 15:12	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906003 **Date Collected:** 07/23/2024 13:10 **Matrix:** Soil
Sample ID: SB-11-2-4 **Date Received:** 07/26/2024 09:00

Parameter									
Phenol	0.38U	mg/Kg	0.19	0.38	0.75	1	07/30/2024 10:00	08/07/2024 15:12	J
Pyrene	0.011U	mg/Kg	0.0056	0.011	0.023	1	07/30/2024 10:00	08/07/2024 15:12	J
bis(2-Chloroethyl)Ether	0.19U	mg/Kg	0.094	0.19	0.38	1	07/30/2024 10:00	08/07/2024 15:12	J
bis(2-Ethylhexyl) phthalate	0.38U	mg/Kg	0.19	0.38	0.75	1	07/30/2024 10:00	08/07/2024 15:12	J
(SM 2540G)									
Percent Moisture	**12**	%		0.0010	0.0010	1	07/31/2024 16:01	07/31/2024 16:01	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
1,1,2,2-Tetrachloroethane	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
1,1,2-Trichloroethane	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
1,1,2-Trichlorotrifluoroethane	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
1,1-Dichloroethane	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
1,1-Dichloroethylene	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
1,2,4-Trichlorobenzene	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
1,2-Dibromo-3-Chloropropane	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
1,2-Dichlorobenzene	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
1,2-Dichloroethane	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
1,2-Dichloropropane	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
1,3-Dichlorobenzene	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
1,4-Dichlorobenzene	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
1,4-Dioxane	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
2-Butanone (MEK)	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906003 **Date Collected:** 07/23/2024 13:10 **Matrix:** Soil
Sample ID: SB-11-2-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2-Hexanone	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
4-Methyl-2-pentanone (MIBK)	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Acetone	0.0027U	mg/Kg	0.0013	0.0027	0.0054	1	07/29/2024 21:02	07/29/2024 23:36	J
Benzene	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Bromodichloromethane	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Bromoform	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Bromomethane	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Carbon Disulfide	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Carbon Tetrachloride	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Chlorobenzene	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Chloroethane	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Chloroform	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Chloromethane	0.0027U	mg/Kg	0.0013	0.0027	0.0054	1	07/29/2024 21:02	07/29/2024 23:36	J
Cyclohexane	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Dibromochloromethane	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Dichlorodifluoromethane	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Ethylbenzene	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Ethylene Dibromide (EDB)	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Isopropylbenzene	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Methyl Acetate	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Methyl Cyclohexane	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Methyl tert-butyl Ether (MTBE)	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906003 **Date Collected:** 07/23/2024 13:10 **Matrix:** Soil
Sample ID: SB-11-2-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Methylene Chloride	0.0027U	mg/Kg	0.0013	0.0027	0.0054	1	07/29/2024 21:02	07/29/2024 23:36	J
Styrene	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Tetrachloroethylene (PCE)	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Toluene	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Trichloroethene	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Trichlorofluoromethane	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Vinyl Chloride	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
Xylene (Total)	0.0040U	mg/Kg	0.0020	0.0040	0.0080	1	07/29/2024 21:02	07/29/2024 23:36	J
cis-1,2-Dichloroethylene	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
cis-1,3-Dichloropropene	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
trans-1,2-Dichloroethylene	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J
trans-1,3-Dichloropropylene	0.0013U	mg/Kg	0.00067	0.0013	0.0027	1	07/29/2024 21:02	07/29/2024 23:36	J

Analysis Results Comments

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tributylphosphate

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	39.50	42.30	107	71 - 136	J
Toluene-d8 (S)	ug/Kg	39.50	38.10	96	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	39.50	41.50	105	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0741	0.0922	124	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1480	0.1710	115	44 - 130	J
Fluoranthene-d10 (S)	ug/Kg	1660	1330	80	50 - 150	J
2,4,6-Tribromophenol (S)	ug/Kg	1660	1090	65	39 - 132	J
Phenol-d6 (S)	ug/Kg	1660	1040	63	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1660	1140	69	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1660	1000	60	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1660	1070	64	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1660	1060	64	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1660	1270	76	54 - 127	J
Decachlorobiphenyl (S)	mg/Kg	0.0741	0.1180	**159**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1480	0.2280	**154**	42 - 129	J
Tributylphosphate (S)	ug/Kg	148	185	**125**	63 - 111	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906004 **Date Collected:** 07/23/2024 13:25 **Matrix:** Soil
Sample ID: SB-11-8 **Date Received:** 07/26/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.3U	mg/Kg	0.63	1.3	2.5	1	08/01/2024 11:43	08/03/2024 01:28	J
Barium	**120**	mg/Kg	3.1	6.3	13	5	08/01/2024 11:43	08/07/2024 16:45	J
Cadmium	**0.38**	mg/Kg	0.063	0.13	0.25	1	08/01/2024 11:43	08/03/2024 01:28	J
Copper	**62**	mg/Kg	0.63	1.3	2.5	1	08/01/2024 11:43	08/03/2024 01:28	J
Nickel	**11**	mg/Kg	0.63	1.3	2.5	1	08/01/2024 11:43	08/03/2024 01:28	J
Silver	0.27J	mg/Kg	0.25	0.50	1.0	1	08/01/2024 11:43	08/03/2024 01:28	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.12U	mg/Kg	0.060	0.12	0.24	10	08/06/2024 07:15	08/07/2024 08:59	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.28**	mg/Kg	0.0016	0.0032	0.0063	1	08/12/2024 10:19	08/12/2024 13:24	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.020U	mg/Kg	0.0098	0.020	0.039	10	07/30/2024 10:00	07/31/2024 18:02	J
4,4`-DDE	0.020U	mg/Kg	0.0098	0.020	0.039	10	07/30/2024 10:00	07/31/2024 18:02	J
4,4`-DDT	0.20U	mg/Kg	0.098	0.20	0.39	50	07/30/2024 10:00	08/04/2024 17:19	J
Aldrin	0.020U	mg/Kg	0.0098	0.020	0.039	10	07/30/2024 10:00	07/31/2024 18:02	J
Chlordane (technical)	0.35U	mg/Kg	0.18	0.35	0.71	10	07/30/2024 10:00	07/31/2024 18:02	J
Dieldrin	0.020U	mg/Kg	0.0098	0.020	0.039	10	07/30/2024 10:00	07/31/2024 18:02	J
Endosulfan I	0.020U	mg/Kg	0.0098	0.020	0.039	10	07/30/2024 10:00	07/31/2024 18:02	J
Endosulfan II	0.020U	mg/Kg	0.0098	0.020	0.039	10	07/30/2024 10:00	07/31/2024 18:02	J
Endosulfan Sulfate	0.020U	mg/Kg	0.0098	0.020	0.039	10	07/30/2024 10:00	07/31/2024 18:02	J
Endrin	0.039U	mg/Kg	0.020	0.039	0.079	10	07/30/2024 10:00	07/31/2024 18:02	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906004 **Date Collected:** 07/23/2024 13:25 **Matrix:** Soil
Sample ID: SB-11-8 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.020U	mg/Kg	0.0098	0.020	0.039	10	07/30/2024 10:00	07/31/2024 18:02	J
Endrin ketone	0.020U	mg/Kg	0.0098	0.020	0.039	10	07/30/2024 10:00	07/31/2024 18:02	J
Heptachlor	0.020U	mg/Kg	0.0098	0.020	0.039	10	07/30/2024 10:00	07/31/2024 18:02	J
Heptachlor Epoxide	0.020U	mg/Kg	0.0098	0.020	0.039	10	07/30/2024 10:00	07/31/2024 18:02	J
Methoxychlor	0.098U	mg/Kg	0.049	0.098	0.20	50	07/30/2024 10:00	08/04/2024 17:19	J
Toxaphene	2.9U	mg/Kg	1.5	2.9	5.9	50	07/30/2024 10:00	08/04/2024 17:19	J
alpha-BHC	0.020U	mg/Kg	0.0098	0.020	0.039	10	07/30/2024 10:00	07/31/2024 18:02	J
alpha-Chlordane	0.039U	mg/Kg	0.029	0.039	0.079	10	07/30/2024 10:00	07/31/2024 18:02	J
beta-BHC	0.020U	mg/Kg	0.0098	0.020	0.039	10	07/30/2024 10:00	07/31/2024 18:02	J
delta-BHC	0.020U	mg/Kg	0.0098	0.020	0.039	10	07/30/2024 10:00	07/31/2024 18:02	J
gamma-BHC (Lindane)	0.020U	mg/Kg	0.0098	0.020	0.039	10	07/30/2024 10:00	07/31/2024 18:02	J
gamma-Chlordane	0.039U	mg/Kg	0.020	0.039	0.079	10	07/30/2024 10:00	07/31/2024 18:02	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.059U	mg/Kg	0.029	0.059	0.12	1	07/30/2024 10:00	07/31/2024 23:11	J
Aroclor 1221 (PCB-1221)	0.059U	mg/Kg	0.029	0.059	0.12	1	07/30/2024 10:00	07/31/2024 23:11	J
Aroclor 1232 (PCB-1232)	0.059U	mg/Kg	0.029	0.059	0.12	1	07/30/2024 10:00	07/31/2024 23:11	J
Aroclor 1242 (PCB-1242)	0.059U	mg/Kg	0.029	0.059	0.12	1	07/30/2024 10:00	07/31/2024 23:11	J
Aroclor 1248 (PCB-1248)	0.059U	mg/Kg	0.029	0.059	0.12	1	07/30/2024 10:00	07/31/2024 23:11	J
Aroclor 1254 (PCB-1254)	0.059U	mg/Kg	0.029	0.059	0.12	1	07/30/2024 10:00	07/31/2024 23:11	J
Aroclor 1260 (PCB-1260)	0.059J	mg/Kg	0.029	0.059	0.12	1	07/30/2024 10:00	07/31/2024 23:11	J
Aroclor 1262 (PCB-1262)	0.059U	mg/Kg	0.029	0.059	0.12	1	07/30/2024 10:00	07/31/2024 23:11	J
Aroclor 1268 (PCB-1268)	0.059U	mg/Kg	0.029	0.059	0.12	1	07/30/2024 10:00	07/31/2024 23:11	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J
Azinphos-methyl	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J
Chlorpyrifos	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J
Chlorpyrifos-methyl	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906004 **Date Collected:** 07/23/2024 13:25 **Matrix:** Soil
Sample ID: SB-11-8 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J
Demeton-O	20U	ug/Kg	9.8	20	39	1	07/30/2024 10:00	08/01/2024 22:23	J
Demeton-S	20U	ug/Kg	9.8	20	39	1	07/30/2024 10:00	08/01/2024 22:23	J
Diazinon	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J
Dimethoate	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J
Disulfoton	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J
Ethion	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J
Ethoprop	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J
Famphur	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J
Fensulfothion	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J
Fonophos	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J
Malathion	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J
Merphos	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J
Methyl Parathion	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J
Mevinphos	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J
Parathion (Ethyl)	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J
Phorate	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J
Phosmet	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J
Ronnel	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J
Simazine	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J
Sulfotep	39U	ug/Kg	20	39	79	1	07/30/2024 10:00	08/01/2024 22:23	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
2,4,6-Trichlorophenol	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
2,4-Dichlorophenol	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
2,4-Dimethylphenol	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
2,4-Dinitrophenol	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906004 **Date Collected:** 07/23/2024 13:25 **Matrix:** Soil
Sample ID: SB-11-8 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
2,6-Dinitrotoluene (2,6-DNT)	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
2-Chloronaphthalene	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 17:16	J
2-Chlorophenol	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
2-Methyl-4,6-dinitrophenol	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
2-Methylnaphthalene	0.013U	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 17:16	J
2-Methylphenol (o-Cresol)	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 17:16	J
2-Nitroaniline	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
2-Nitrophenol	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
3+4-Methylphenol(mp-Cresol)	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 17:16	J
3,3`-Dichlorobenzidine	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
3-Nitroaniline	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 17:16	J
4-Bromophenyl Phenyl Ether	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
4-Chloro-3-methylphenol	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
4-Chloroaniline	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
4-Chlorophenyl Phenyl Ether	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
4-Nitroaniline	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 17:16	J
4-Nitrophenol	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 17:16	J
Acenaphthene	0.013U	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 17:16	J
Acenaphthylene	0.0069J	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 17:16	J
Acetophenone	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
Anthracene	0.013U	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 17:16	J
Atrazine	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 17:16	J
Benzaldehyde	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
Benzo[a]anthracene	0.014J	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 17:16	J
Benzo[a]pyrene	0.019J	mg/Kg	0.010	0.020	0.040	1	07/30/2024 10:00	08/07/2024 17:16	J
Benzo[b]fluoranthene	0.021J	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 17:16	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906004 **Date Collected:** 07/23/2024 13:25 **Matrix:** Soil
Sample ID: SB-11-8 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.016J	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 17:16	J
Benzo[k]fluoranthene	0.0078J	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 17:16	J
Biphenyl	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 17:16	J
Butyl benzyl phthalate	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 17:16	J
Caprolactam	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
Carbazole	0.013U	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 17:16	J
Chrysene	0.018J	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 17:16	J
Di-n-Butyl Phthalate	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 17:16	J
Di-n-octyl Phthalate	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 17:16	J
Dibenzo[a,h]anthracene	0.013U	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 17:16	J
Dibenzofuran	0.013U	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 17:16	J
Diethyl phthalate	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 17:16	J
Dimethyl phthalate	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
Fluoranthene	**0.031**	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 17:16	J
Fluorene	0.013U	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 17:16	J
Hexachlorobenzene	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
Hexachlorobutadiene	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
Hexachlorocyclopentadiene	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
Hexachloroethane	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
Indeno(1,2,3-cd)pyrene	0.011J	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 17:16	J
Isophorone	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
N-Nitrosodi-n-propylamine	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
N-Nitrosodiphenylamine	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
Naphthalene	0.013U	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 17:16	J
Nitrobenzene	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 17:16	J
Pentachlorophenol	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
Phenanthrene	0.013U	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 17:16	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906004 **Date Collected:** 07/23/2024 13:25 **Matrix:** Soil
Sample ID: SB-11-8 **Date Received:** 07/26/2024 09:00

Parameter									
Phenol	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 17:16	J
Pyrene	**0.036**	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 17:16	J
bis(2-Chloroethyl)Ether	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 17:16	J
bis(2-Ethylhexyl) phthalate	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 17:16	J
(SM 2540G)									
Percent Moisture	**20**	%		0.0010	0.0010	1	07/31/2024 16:01	07/31/2024 16:01	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
1,1,2,2-Tetrachloroethane	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
1,1,2-Trichloroethane	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
1,1,2-Trichlorotrifluoroethane	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
1,1-Dichloroethane	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
1,1-Dichloroethylene	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
1,2,4-Trichlorobenzene	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
1,2-Dibromo-3-Chloropropane	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
1,2-Dichlorobenzene	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
1,2-Dichloroethane	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
1,2-Dichloropropane	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
1,3-Dichlorobenzene	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
1,4-Dichlorobenzene	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
1,4-Dioxane	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
2-Butanone (MEK)	0.0017J	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906004 **Date Collected:** 07/23/2024 13:25 **Matrix:** Soil
Sample ID: SB-11-8 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2-Hexanone	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
4-Methyl-2-pentanone (MIBK)	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Acetone	**0.037**	mg/Kg	0.0014	0.0028	0.0057	1	07/29/2024 21:02	07/30/2024 00:02	J
Benzene	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Bromodichloromethane	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Bromoform	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Bromomethane	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Carbon Disulfide	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Carbon Tetrachloride	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Chlorobenzene	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Chloroethane	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Chloroform	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Chloromethane	0.0028U	mg/Kg	0.0014	0.0028	0.0057	1	07/29/2024 21:02	07/30/2024 00:02	J
Cyclohexane	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Dibromochloromethane	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Dichlorodifluoromethane	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Ethylbenzene	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Ethylene Dibromide (EDB)	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Isopropylbenzene	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Methyl Acetate	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Methyl Cyclohexane	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Methyl tert-butyl Ether (MTBE)	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906004 **Date Collected:** 07/23/2024 13:25 **Matrix:** Soil
Sample ID: SB-11-8 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Methylene Chloride	0.0028U	mg/Kg	0.0014	0.0028	0.0057	1	07/29/2024 21:02	07/30/2024 00:02	J
Styrene	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Tetrachloroethylene (PCE)	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Toluene	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Trichloroethene	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Trichlorofluoromethane	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Vinyl Chloride	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
Xylene (Total)	0.0043U	mg/Kg	0.0021	0.0043	0.0085	1	07/29/2024 21:02	07/30/2024 00:02	J
cis-1,2-Dichloroethylene	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
cis-1,3-Dichloropropene	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
trans-1,2-Dichloroethylene	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J
trans-1,3-Dichloropropylene	0.0014U	mg/Kg	0.00071	0.0014	0.0028	1	07/29/2024 21:02	07/30/2024 00:02	J

Analysis Results Comments

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	37.90	40.30	106	71 - 136	J
Toluene-d8 (S)	ug/Kg	37.90	37.80	100	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	37.90	40.80	108	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0787	0.1040	132	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1570	0.1570	99	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1690	1240	73	39 - 132	J
Phenol-d6 (S)	ug/Kg	1690	942	56	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1690	1050	62	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1690	897	53	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1690	945	56	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1690	1040	62	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1690	1250	74	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1690	1320	78	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0787	0.1410	**179**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1570	0.2110	**134**	42 - 129	J
Tributylphosphate (S)	ug/Kg	157	144	92	63 - 111	J

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906005 **Date Collected:** 07/23/2024 15:55 **Matrix:** Soil
Sample ID: SB-12-0-2 **Date Received:** 07/26/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.6U	mg/Kg	0.80	1.6	3.2	1	08/01/2024 11:43	08/03/2024 01:39	J
Barium	**61**	mg/Kg	0.80	1.6	3.2	1	08/01/2024 11:43	08/03/2024 01:39	J
Cadmium	0.26J	mg/Kg	0.080	0.16	0.32	1	08/01/2024 11:43	08/03/2024 01:39	J
Copper	**62**	mg/Kg	0.80	1.6	3.2	1	08/01/2024 11:43	08/03/2024 01:39	J
Nickel	**19**	mg/Kg	0.80	1.6	3.2	1	08/01/2024 11:43	08/03/2024 01:39	J
Silver	0.50J	mg/Kg	0.32	0.64	1.3	1	08/01/2024 11:43	08/03/2024 01:39	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.13J	mg/Kg	0.074	0.15	0.30	10	08/06/2024 07:15	08/07/2024 09:09	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.26**	mg/Kg	0.0020	0.0041	0.0082	1	08/12/2024 10:19	08/12/2024 13:32	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.024U	mg/Kg	0.012	0.024	0.048	10	07/30/2024 10:00	07/31/2024 18:23	J
4,4`-DDE	0.024U	mg/Kg	0.012	0.024	0.048	10	07/30/2024 10:00	07/31/2024 18:23	J
4,4`-DDT	0.24U	mg/Kg	0.12	0.24	0.48	50	07/30/2024 10:00	08/04/2024 17:40	J
Aldrin	0.024U	mg/Kg	0.012	0.024	0.048	10	07/30/2024 10:00	07/31/2024 18:23	J
Chlordane (technical)	0.43U	mg/Kg	0.22	0.43	0.87	10	07/30/2024 10:00	07/31/2024 18:23	J
Dieldrin	0.024U	mg/Kg	0.012	0.024	0.048	10	07/30/2024 10:00	07/31/2024 18:23	J
Endosulfan I	0.024U	mg/Kg	0.012	0.024	0.048	10	07/30/2024 10:00	07/31/2024 18:23	J
Endosulfan II	0.024U	mg/Kg	0.012	0.024	0.048	10	07/30/2024 10:00	07/31/2024 18:23	J
Endosulfan Sulfate	0.024U	mg/Kg	0.012	0.024	0.048	10	07/30/2024 10:00	07/31/2024 18:23	J
Endrin	0.048U	mg/Kg	0.024	0.048	0.096	10	07/30/2024 10:00	07/31/2024 18:23	J

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906005 **Date Collected:** 07/23/2024 15:55 **Matrix:** Soil
Sample ID: SB-12-0-2 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.024U	mg/Kg	0.012	0.024	0.048	10	07/30/2024 10:00	07/31/2024 18:23	J
Endrin ketone	0.024U	mg/Kg	0.012	0.024	0.048	10	07/30/2024 10:00	07/31/2024 18:23	J
Heptachlor	0.024U	mg/Kg	0.012	0.024	0.048	10	07/30/2024 10:00	07/31/2024 18:23	J
Heptachlor Epoxide	0.024U	mg/Kg	0.012	0.024	0.048	10	07/30/2024 10:00	07/31/2024 18:23	J
Methoxychlor	0.12U	mg/Kg	0.060	0.12	0.24	50	07/30/2024 10:00	08/04/2024 17:40	J
Toxaphene	3.6U	mg/Kg	1.8	3.6	7.2	50	07/30/2024 10:00	08/04/2024 17:40	J
alpha-BHC	0.024U	mg/Kg	0.012	0.024	0.048	10	07/30/2024 10:00	07/31/2024 18:23	J
alpha-Chlordane	0.048U	mg/Kg	0.036	0.048	0.096	10	07/30/2024 10:00	07/31/2024 18:23	J
beta-BHC	0.024U	mg/Kg	0.012	0.024	0.048	10	07/30/2024 10:00	07/31/2024 18:23	J
delta-BHC	0.024U	mg/Kg	0.012	0.024	0.048	10	07/30/2024 10:00	07/31/2024 18:23	J
gamma-BHC (Lindane)	0.024U	mg/Kg	0.012	0.024	0.048	10	07/30/2024 10:00	07/31/2024 18:23	J
gamma-Chlordane	0.048U	mg/Kg	0.024	0.048	0.096	10	07/30/2024 10:00	07/31/2024 18:23	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.072U	mg/Kg	0.036	0.072	0.14	1	07/30/2024 10:00	07/31/2024 23:32	J
Aroclor 1221 (PCB-1221)	0.072U	mg/Kg	0.036	0.072	0.14	1	07/30/2024 10:00	07/31/2024 23:32	J
Aroclor 1232 (PCB-1232)	0.072U	mg/Kg	0.036	0.072	0.14	1	07/30/2024 10:00	07/31/2024 23:32	J
Aroclor 1242 (PCB-1242)	0.072U	mg/Kg	0.036	0.072	0.14	1	07/30/2024 10:00	07/31/2024 23:32	J
Aroclor 1248 (PCB-1248)	0.072U	mg/Kg	0.036	0.072	0.14	1	07/30/2024 10:00	07/31/2024 23:32	J
Aroclor 1254 (PCB-1254)	**0.20**	mg/Kg	0.036	0.072	0.14	1	07/30/2024 10:00	08/05/2024 21:53	J
Aroclor 1260 (PCB-1260)	0.072U	mg/Kg	0.036	0.072	0.14	1	07/30/2024 10:00	07/31/2024 23:32	J
Aroclor 1262 (PCB-1262)	0.072U	mg/Kg	0.036	0.072	0.14	1	07/30/2024 10:00	07/31/2024 23:32	J
Aroclor 1268 (PCB-1268)	0.072U	mg/Kg	0.036	0.072	0.14	1	07/30/2024 10:00	07/31/2024 23:32	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J
Azinphos-methyl	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J
Chlorpyrifos	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J
Chlorpyrifos-methyl	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906005 **Date Collected:** 07/23/2024 15:55 **Matrix:** Soil
Sample ID: SB-12-0-2 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J
Demeton-O	24U	ug/Kg	12	24	48	1	07/30/2024 10:00	08/01/2024 22:53	J
Demeton-S	24U	ug/Kg	12	24	48	1	07/30/2024 10:00	08/01/2024 22:53	J
Diazinon	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J
Dimethoate	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J
Disulfoton	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J
Ethion	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J
Ethoprop	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J
Famphur	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J
Fensulfothion	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J
Fonophos	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J
Malathion	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J
Merphos	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J
Methyl Parathion	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J
Mevinphos	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J
Parathion (Ethyl)	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J
Phorate	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J
Phosmet	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J
Ronnel	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J
Simazine	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J
Sulfotep	48U	ug/Kg	24	48	96	1	07/30/2024 10:00	08/01/2024 22:53	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
2,4,6-Trichlorophenol	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
2,4-Dichlorophenol	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
2,4-Dimethylphenol	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
2,4-Dinitrophenol	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906005 **Date Collected:** 07/23/2024 15:55 **Matrix:** Soil
Sample ID: SB-12-0-2 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
2,6-Dinitrotoluene (2,6-DNT)	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
2-Chloronaphthalene	0.51U	mg/Kg	0.25	0.51	1.0	1	07/30/2024 10:00	08/06/2024 20:36	J
2-Chlorophenol	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
2-Methyl-4,6-dinitrophenol	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
2-Methylnaphthalene	0.015U	mg/Kg	0.0076	0.015	0.031	1	07/30/2024 10:00	08/06/2024 20:36	J
2-Methylphenol (o-Cresol)	0.51U	mg/Kg	0.25	0.51	1.0	1	07/30/2024 10:00	08/06/2024 20:36	J
2-Nitroaniline	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
2-Nitrophenol	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
3+4-Methylphenol(mp-Cresol)	0.51U	mg/Kg	0.25	0.51	1.0	1	07/30/2024 10:00	08/06/2024 20:36	J
3,3`-Dichlorobenzidine	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
3-Nitroaniline	0.51U	mg/Kg	0.25	0.51	1.0	1	07/30/2024 10:00	08/06/2024 20:36	J
4-Bromophenyl Phenyl Ether	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
4-Chloro-3-methylphenol	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
4-Chloroaniline	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
4-Chlorophenyl Phenyl Ether	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
4-Nitroaniline	0.51U	mg/Kg	0.25	0.51	1.0	1	07/30/2024 10:00	08/06/2024 20:36	J
4-Nitrophenol	0.51U	mg/Kg	0.25	0.51	1.0	1	07/30/2024 10:00	08/06/2024 20:36	J
Acenaphthene	0.015U	mg/Kg	0.0076	0.015	0.031	1	07/30/2024 10:00	08/06/2024 20:36	J
Acenaphthylene	0.015U	mg/Kg	0.0076	0.015	0.031	1	07/30/2024 10:00	08/06/2024 20:36	J
Acetophenone	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
Anthracene	0.015U	mg/Kg	0.0076	0.015	0.031	1	07/30/2024 10:00	08/06/2024 20:36	J
Atrazine	0.51U	mg/Kg	0.25	0.51	1.0	1	07/30/2024 10:00	08/06/2024 20:36	J
Benzaldehyde	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
Benzo[a]anthracene	0.015U	mg/Kg	0.0076	0.015	0.031	1	07/30/2024 10:00	08/06/2024 20:36	J
Benzo[a]pyrene	0.024U	mg/Kg	0.012	0.024	0.049	1	07/30/2024 10:00	08/06/2024 20:36	J
Benzo[b]fluoranthene	0.015U	mg/Kg	0.0076	0.015	0.031	1	07/30/2024 10:00	08/06/2024 20:36	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906005 **Date Collected:** 07/23/2024 15:55 **Matrix:** Soil
Sample ID: SB-12-0-2 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.015U	mg/Kg	0.0076	0.015	0.031	1	07/30/2024 10:00	08/06/2024 20:36	J
Benzo[k]fluoranthene	0.015U	mg/Kg	0.0076	0.015	0.031	1	07/30/2024 10:00	08/06/2024 20:36	J
Biphenyl	0.51U	mg/Kg	0.25	0.51	1.0	1	07/30/2024 10:00	08/06/2024 20:36	J
Butyl benzyl phthalate	0.51U	mg/Kg	0.25	0.51	1.0	1	07/30/2024 10:00	08/06/2024 20:36	J
Caprolactam	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
Carbazole	0.015U	mg/Kg	0.0076	0.015	0.031	1	07/30/2024 10:00	08/06/2024 20:36	J
Chrysene	0.015U	mg/Kg	0.0076	0.015	0.031	1	07/30/2024 10:00	08/06/2024 20:36	J
Di-n-Butyl Phthalate	0.51U	mg/Kg	0.25	0.51	1.0	1	07/30/2024 10:00	08/06/2024 20:36	J
Di-n-octyl Phthalate	0.51U	mg/Kg	0.25	0.51	1.0	1	07/30/2024 10:00	08/06/2024 20:36	J
Dibenzo[a,h]anthracene	0.015U	mg/Kg	0.0076	0.015	0.031	1	07/30/2024 10:00	08/06/2024 20:36	J
Dibenzofuran	0.015U	mg/Kg	0.0076	0.015	0.031	1	07/30/2024 10:00	08/06/2024 20:36	J
Diethyl phthalate	0.51U	mg/Kg	0.25	0.51	1.0	1	07/30/2024 10:00	08/06/2024 20:36	J
Dimethyl phthalate	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
Fluoranthene	0.015U	mg/Kg	0.0076	0.015	0.031	1	07/30/2024 10:00	08/06/2024 20:36	J
Fluorene	0.015U	mg/Kg	0.0076	0.015	0.031	1	07/30/2024 10:00	08/06/2024 20:36	J
Hexachlorobenzene	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
Hexachlorobutadiene	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
Hexachlorocyclopentadiene	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
Hexachloroethane	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
Indeno(1,2,3-cd)pyrene	0.015U	mg/Kg	0.0076	0.015	0.031	1	07/30/2024 10:00	08/06/2024 20:36	J
Isophorone	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
N-Nitrosodi-n-propylamine	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
N-Nitrosodiphenylamine	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
Naphthalene	0.015U	mg/Kg	0.0076	0.015	0.031	1	07/30/2024 10:00	08/06/2024 20:36	J
Nitrobenzene	0.51U	mg/Kg	0.25	0.51	1.0	1	07/30/2024 10:00	08/06/2024 20:36	J
Pentachlorophenol	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
Phenanthrene	0.015U	mg/Kg	0.0076	0.015	0.031	1	07/30/2024 10:00	08/06/2024 20:36	J

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906005 **Date Collected:** 07/23/2024 15:55 **Matrix:** Soil
Sample ID: SB-12-0-2 **Date Received:** 07/26/2024 09:00

Parameter									
Phenol	0.51U	mg/Kg	0.25	0.51	1.0	1	07/30/2024 10:00	08/06/2024 20:36	J
Pyrene	0.015U	mg/Kg	0.0076	0.015	0.031	1	07/30/2024 10:00	08/06/2024 20:36	J
bis(2-Chloroethyl)Ether	0.25U	mg/Kg	0.13	0.25	0.51	1	07/30/2024 10:00	08/06/2024 20:36	J
bis(2-Ethylhexyl) phthalate	0.51U	mg/Kg	0.25	0.51	1.0	1	07/30/2024 10:00	08/06/2024 20:36	J
(SM 2540G)									
Percent Moisture	**35**	%		0.0010	0.0010	1	07/31/2024 16:01	07/31/2024 16:01	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
1,1,2,2-Tetrachloroethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
1,1,2-Trichloroethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
1,1,2-Trichlorotrifluoroethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
1,1-Dichloroethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
1,1-Dichloroethylene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
1,2,4-Trichlorobenzene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
1,2-Dibromo-3-Chloropropane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
1,2-Dichlorobenzene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
1,2-Dichloroethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
1,2-Dichloropropane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
1,3-Dichlorobenzene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
1,4-Dichlorobenzene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
1,4-Dioxane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
2-Butanone (MEK)	**0.0049**	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
2-Hexanone	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
4-Methyl-2-pentanone (MIBK)	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Acetone	**0.088**	mg/Kg	0.0021	0.0043	0.0086	1	07/29/2024 21:02	07/30/2024 00:28	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906005 **Date Collected:** 07/23/2024 15:55 **Matrix:** Soil
Sample ID: SB-12-0-2 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Bromodichloromethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Bromoform	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Bromomethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Carbon Disulfide	0.0024J	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Carbon Tetrachloride	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Chlorobenzene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Chloroethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Chloroform	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Chloromethane	0.0043U	mg/Kg	0.0021	0.0043	0.0086	1	07/29/2024 21:02	07/30/2024 00:28	J
Cyclohexane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Dibromochloromethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Dichlorodifluoromethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Ethylbenzene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Ethylene Dibromide (EDB)	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Isopropylbenzene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Methyl Acetate	0.0018J	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Methyl Cyclohexane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Methyl tert-butyl Ether (MTBE)	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Methylene Chloride	0.0043U	mg/Kg	0.0021	0.0043	0.0086	1	07/29/2024 21:02	07/30/2024 00:28	J
Styrene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Tetrachloroethylene (PCE)	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Toluene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Trichloroethene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Trichlorofluoromethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Vinyl Chloride	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
Xylene (Total)	0.0064U	mg/Kg	0.0032	0.0064	0.013	1	07/29/2024 21:02	07/30/2024 00:28	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906005 **Date Collected:** 07/23/2024 15:55 **Matrix:** Soil
Sample ID: SB-12-0-2 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
cis-1,3-Dichloropropene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
trans-1,2-Dichloroethylene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J
trans-1,3-Dichloropropylene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	07/29/2024 21:02	07/30/2024 00:28	J

Analysis Results Comments

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	46.10	47.80	104	71 - 136	J
Toluene-d8 (S)	ug/Kg	46.10	45.40	98	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	46.10	49.80	108	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0778	0.0911	117	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1560	0.2150	**138**	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1640	1200	73	39 - 132	J
Phenol-d6 (S)	ug/Kg	1640	1170	71	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1640	1160	71	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1640	1160	70	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1640	1120	68	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1640	1220	74	50 - 150	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
p-Terphenyl-d14 (S)	ug/Kg	1640	1240	75	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1640	1400	85	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0778	0.1160	**150**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1560	0.2220	**143**	42 - 129	J
Tributylphosphate (S)	ug/Kg	156	149	96	63 - 111	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906006 **Date Collected:** 07/24/2024 10:10 **Matrix:** Soil
Sample ID: SB-13-0-4 **Date Received:** 07/26/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.0U	mg/Kg	0.50	1.0	2.0	1	08/01/2024 11:43	08/03/2024 01:43	J
Barium	**68**	mg/Kg	2.5	5.0	10	5	08/01/2024 11:43	08/07/2024 16:48	J
Cadmium	0.12J	mg/Kg	0.050	0.10	0.20	1	08/01/2024 11:43	08/03/2024 01:43	J
Copper	**41**	mg/Kg	0.50	1.0	2.0	1	08/01/2024 11:43	08/03/2024 01:43	J
Nickel	**7.0**	mg/Kg	0.50	1.0	2.0	1	08/01/2024 11:43	08/03/2024 01:43	J
Silver	0.21J	mg/Kg	0.20	0.40	0.80	1	08/01/2024 11:43	08/03/2024 01:43	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.12J	mg/Kg	0.054	0.11	0.22	10	08/06/2024 07:15	08/07/2024 09:13	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.10**	mg/Kg	0.0013	0.0026	0.0052	1	08/12/2024 10:19	08/12/2024 13:35	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.017U	mg/Kg	0.0085	0.017	0.034	10	07/30/2024 10:00	07/31/2024 18:43	J
4,4`-DDE	0.017U	mg/Kg	0.0085	0.017	0.034	10	07/30/2024 10:00	07/31/2024 18:43	J
4,4`-DDT	0.17U	mg/Kg	0.085	0.17	0.34	50	07/30/2024 10:00	08/04/2024 18:00	J
Aldrin	0.017U	mg/Kg	0.0085	0.017	0.034	10	07/30/2024 10:00	07/31/2024 18:43	J
Chlordane (technical)	0.31U	mg/Kg	0.15	0.31	0.61	10	07/30/2024 10:00	07/31/2024 18:43	J
Dieldrin	0.017U	mg/Kg	0.0085	0.017	0.034	10	07/30/2024 10:00	07/31/2024 18:43	J
Endosulfan I	0.017U	mg/Kg	0.0085	0.017	0.034	10	07/30/2024 10:00	07/31/2024 18:43	J
Endosulfan II	0.017U	mg/Kg	0.0085	0.017	0.034	10	07/30/2024 10:00	07/31/2024 18:43	J
Endosulfan Sulfate	0.017U	mg/Kg	0.0085	0.017	0.034	10	07/30/2024 10:00	07/31/2024 18:43	J
Endrin	0.034U	mg/Kg	0.017	0.034	0.068	10	07/30/2024 10:00	07/31/2024 18:43	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906006 **Date Collected:** 07/24/2024 10:10 **Matrix:** Soil
Sample ID: SB-13-0-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.017U	mg/Kg	0.0085	0.017	0.034	10	07/30/2024 10:00	07/31/2024 18:43	J
Endrin ketone	0.017U	mg/Kg	0.0085	0.017	0.034	10	07/30/2024 10:00	07/31/2024 18:43	J
Heptachlor	0.017U	mg/Kg	0.0085	0.017	0.034	10	07/30/2024 10:00	07/31/2024 18:43	J
Heptachlor Epoxide	0.017U	mg/Kg	0.0085	0.017	0.034	10	07/30/2024 10:00	07/31/2024 18:43	J
Methoxychlor	0.085U	mg/Kg	0.043	0.085	0.17	50	07/30/2024 10:00	08/04/2024 18:00	J
Toxaphene	2.6U	mg/Kg	1.3	2.6	5.1	50	07/30/2024 10:00	08/04/2024 18:00	J
alpha-BHC	0.017U	mg/Kg	0.0085	0.017	0.034	10	07/30/2024 10:00	07/31/2024 18:43	J
alpha-Chlordane	0.034U	mg/Kg	0.026	0.034	0.068	10	07/30/2024 10:00	07/31/2024 18:43	J
beta-BHC	0.017U	mg/Kg	0.0085	0.017	0.034	10	07/30/2024 10:00	07/31/2024 18:43	J
delta-BHC	0.017U	mg/Kg	0.0085	0.017	0.034	10	07/30/2024 10:00	07/31/2024 18:43	J
gamma-BHC (Lindane)	0.017U	mg/Kg	0.0085	0.017	0.034	10	07/30/2024 10:00	07/31/2024 18:43	J
gamma-Chlordane	0.034U	mg/Kg	0.017	0.034	0.068	10	07/30/2024 10:00	07/31/2024 18:43	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.051U	mg/Kg	0.026	0.051	0.10	1	07/30/2024 10:00	07/31/2024 23:53	J
Aroclor 1221 (PCB-1221)	0.051U	mg/Kg	0.026	0.051	0.10	1	07/30/2024 10:00	07/31/2024 23:53	J
Aroclor 1232 (PCB-1232)	0.051U	mg/Kg	0.026	0.051	0.10	1	07/30/2024 10:00	07/31/2024 23:53	J
Aroclor 1242 (PCB-1242)	0.051U	mg/Kg	0.026	0.051	0.10	1	07/30/2024 10:00	07/31/2024 23:53	J
Aroclor 1248 (PCB-1248)	0.051U	mg/Kg	0.026	0.051	0.10	1	07/30/2024 10:00	07/31/2024 23:53	J
Aroclor 1254 (PCB-1254)	0.051U	mg/Kg	0.026	0.051	0.10	1	07/30/2024 10:00	07/31/2024 23:53	J
Aroclor 1260 (PCB-1260)	**0.14**	mg/Kg	0.026	0.051	0.10	1	07/30/2024 10:00	07/31/2024 23:53	J
Aroclor 1262 (PCB-1262)	0.051U	mg/Kg	0.026	0.051	0.10	1	07/30/2024 10:00	07/31/2024 23:53	J
Aroclor 1268 (PCB-1268)	0.051U	mg/Kg	0.026	0.051	0.10	1	07/30/2024 10:00	07/31/2024 23:53	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J
Azinphos-methyl	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J
Chlorpyrifos	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J
Chlorpyrifos-methyl	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906006 **Date Collected:** 07/24/2024 10:10 **Matrix:** Soil
Sample ID: SB-13-0-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J
Demeton-O	17U	ug/Kg	8.5	17	34	1	07/30/2024 10:00	08/01/2024 23:24	J
Demeton-S	17U	ug/Kg	8.5	17	34	1	07/30/2024 10:00	08/01/2024 23:24	J
Diazinon	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J
Dimethoate	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J
Disulfoton	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J
Ethion	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J
Ethoprop	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J
Famphur	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J
Fensulfothion	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J
Fonophos	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J
Malathion	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J
Merphos	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J
Methyl Parathion	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J
Mevinphos	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J
Parathion (Ethyl)	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J
Phorate	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J
Phosmet	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J
Ronnel	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J
Simazine	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J
Sulfotep	34U	ug/Kg	17	34	68	1	07/30/2024 10:00	08/01/2024 23:24	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
2,4,6-Trichlorophenol	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
2,4-Dichlorophenol	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
2,4-Dimethylphenol	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
2,4-Dinitrophenol	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906006 **Date Collected:** 07/24/2024 10:10 **Matrix:** Soil
Sample ID: SB-13-0-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
2,6-Dinitrotoluene (2,6-DNT)	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
2-Chloronaphthalene	0.36U	mg/Kg	0.18	0.36	0.72	1	07/30/2024 10:00	08/07/2024 15:53	J
2-Chlorophenol	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
2-Methyl-4,6-dinitrophenol	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
2-Methylnaphthalene	0.011U	mg/Kg	0.0054	0.011	0.022	1	07/30/2024 10:00	08/07/2024 15:53	J
2-Methylphenol (o-Cresol)	0.36U	mg/Kg	0.18	0.36	0.72	1	07/30/2024 10:00	08/07/2024 15:53	J
2-Nitroaniline	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
2-Nitrophenol	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
3+4-Methylphenol(mp-Cresol)	0.36U	mg/Kg	0.18	0.36	0.72	1	07/30/2024 10:00	08/07/2024 15:53	J
3,3`-Dichlorobenzidine	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
3-Nitroaniline	0.36U	mg/Kg	0.18	0.36	0.72	1	07/30/2024 10:00	08/07/2024 15:53	J
4-Bromophenyl Phenyl Ether	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
4-Chloro-3-methylphenol	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
4-Chloroaniline	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
4-Chlorophenyl Phenyl Ether	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
4-Nitroaniline	0.36U	mg/Kg	0.18	0.36	0.72	1	07/30/2024 10:00	08/07/2024 15:53	J
4-Nitrophenol	0.36U	mg/Kg	0.18	0.36	0.72	1	07/30/2024 10:00	08/07/2024 15:53	J
Acenaphthene	0.011U	mg/Kg	0.0054	0.011	0.022	1	07/30/2024 10:00	08/07/2024 15:53	J
Acenaphthylene	0.011U	mg/Kg	0.0054	0.011	0.022	1	07/30/2024 10:00	08/07/2024 15:53	J
Acetophenone	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
Anthracene	0.011U	mg/Kg	0.0054	0.011	0.022	1	07/30/2024 10:00	08/07/2024 15:53	J
Atrazine	0.36U	mg/Kg	0.18	0.36	0.72	1	07/30/2024 10:00	08/07/2024 15:53	J
Benzaldehyde	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
Benzo[a]anthracene	0.011U	mg/Kg	0.0054	0.011	0.022	1	07/30/2024 10:00	08/07/2024 15:53	J
Benzo[a]pyrene	0.017U	mg/Kg	0.0086	0.017	0.035	1	07/30/2024 10:00	08/07/2024 15:53	J
Benzo[b]fluoranthene	0.011U	mg/Kg	0.0054	0.011	0.022	1	07/30/2024 10:00	08/07/2024 15:53	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906006 **Date Collected:** 07/24/2024 10:10 **Matrix:** Soil
Sample ID: SB-13-0-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.011U	mg/Kg	0.0054	0.011	0.022	1	07/30/2024 10:00	08/07/2024 15:53	J
Benzo[k]fluoranthene	0.011U	mg/Kg	0.0054	0.011	0.022	1	07/30/2024 10:00	08/07/2024 15:53	J
Biphenyl	0.36U	mg/Kg	0.18	0.36	0.72	1	07/30/2024 10:00	08/07/2024 15:53	J
Butyl benzyl phthalate	0.36U	mg/Kg	0.18	0.36	0.72	1	07/30/2024 10:00	08/07/2024 15:53	J
Caprolactam	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
Carbazole	0.011U	mg/Kg	0.0054	0.011	0.022	1	07/30/2024 10:00	08/07/2024 15:53	J
Chrysene	0.011U	mg/Kg	0.0054	0.011	0.022	1	07/30/2024 10:00	08/07/2024 15:53	J
Di-n-Butyl Phthalate	0.36U	mg/Kg	0.18	0.36	0.72	1	07/30/2024 10:00	08/07/2024 15:53	J
Di-n-octyl Phthalate	0.36U	mg/Kg	0.18	0.36	0.72	1	07/30/2024 10:00	08/07/2024 15:53	J
Dibenzo[a,h]anthracene	0.011U	mg/Kg	0.0054	0.011	0.022	1	07/30/2024 10:00	08/07/2024 15:53	J
Dibenzofuran	0.011U	mg/Kg	0.0054	0.011	0.022	1	07/30/2024 10:00	08/07/2024 15:53	J
Diethyl phthalate	0.36U	mg/Kg	0.18	0.36	0.72	1	07/30/2024 10:00	08/07/2024 15:53	J
Dimethyl phthalate	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
Fluoranthene	0.011U	mg/Kg	0.0054	0.011	0.022	1	07/30/2024 10:00	08/07/2024 15:53	J
Fluorene	0.011U	mg/Kg	0.0054	0.011	0.022	1	07/30/2024 10:00	08/07/2024 15:53	J
Hexachlorobenzene	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
Hexachlorobutadiene	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
Hexachlorocyclopentadiene	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
Hexachloroethane	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
Indeno(1,2,3-cd)pyrene	0.011U	mg/Kg	0.0054	0.011	0.022	1	07/30/2024 10:00	08/07/2024 15:53	J
Isophorone	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
N-Nitrosodi-n-propylamine	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
N-Nitrosodiphenylamine	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
Naphthalene	0.011U	mg/Kg	0.0054	0.011	0.022	1	07/30/2024 10:00	08/07/2024 15:53	J
Nitrobenzene	0.36U	mg/Kg	0.18	0.36	0.72	1	07/30/2024 10:00	08/07/2024 15:53	J
Pentachlorophenol	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
Phenanthrene	0.011U	mg/Kg	0.0054	0.011	0.022	1	07/30/2024 10:00	08/07/2024 15:53	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906006 **Date Collected:** 07/24/2024 10:10 **Matrix:** Soil
Sample ID: SB-13-0-4 **Date Received:** 07/26/2024 09:00

Parameter									
Phenol	0.36U	mg/Kg	0.18	0.36	0.72	1	07/30/2024 10:00	08/07/2024 15:53	J
Pyrene	0.011U	mg/Kg	0.0054	0.011	0.022	1	07/30/2024 10:00	08/07/2024 15:53	J
bis(2-Chloroethyl)Ether	0.18U	mg/Kg	0.090	0.18	0.36	1	07/30/2024 10:00	08/07/2024 15:53	J
bis(2-Ethylhexyl) phthalate	0.36U	mg/Kg	0.18	0.36	0.72	1	07/30/2024 10:00	08/07/2024 15:53	J
(SM 2540G)									
Percent Moisture	**6.4**	%		0.0010	0.0010	1	07/31/2024 16:01	07/31/2024 16:01	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
1,1,2,2-Tetrachloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
1,1,2-Trichloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
1,1,2-Trichlorotrifluoroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
1,1-Dichloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
1,1-Dichloroethylene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
1,2,4-Trichlorobenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
1,2-Dibromo-3-Chloropropane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
1,2-Dichlorobenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
1,2-Dichloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
1,2-Dichloropropane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
1,3-Dichlorobenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
1,4-Dichlorobenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
1,4-Dioxane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
2-Butanone (MEK)	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
2-Hexanone	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
4-Methyl-2-pentanone (MIBK)	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Acetone	0.0044U	mg/Kg	0.0022	0.0044	0.0088	1	07/29/2024 21:02	07/30/2024 00:53	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906006 **Date Collected:** 07/24/2024 10:10 **Matrix:** Soil
Sample ID: SB-13-0-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Bromodichloromethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Bromoform	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Bromomethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Carbon Disulfide	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Carbon Tetrachloride	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Chlorobenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Chloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Chloroform	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Chloromethane	0.0044U	mg/Kg	0.0022	0.0044	0.0088	1	07/29/2024 21:02	07/30/2024 00:53	J
Cyclohexane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Dibromochloromethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Dichlorodifluoromethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Ethylbenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Ethylene Dibromide (EDB)	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Isopropylbenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Methyl Acetate	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Methyl Cyclohexane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Methyl tert-butyl Ether (MTBE)	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Methylene Chloride	0.0044U	mg/Kg	0.0022	0.0044	0.0088	1	07/29/2024 21:02	07/30/2024 00:53	J
Styrene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Tetrachloroethylene (PCE)	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Toluene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Trichloroethene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Trichlorofluoromethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Vinyl Chloride	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
Xylene (Total)	0.0066U	mg/Kg	0.0033	0.0066	0.013	1	07/29/2024 21:02	07/30/2024 00:53	J

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906006 **Date Collected:** 07/24/2024 10:10 **Matrix:** Soil
Sample ID: SB-13-0-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
cis-1,3-Dichloropropene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
trans-1,2-Dichloroethylene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J
trans-1,3-Dichloropropylene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	07/29/2024 21:02	07/30/2024 00:53	J

Analysis Results Comments

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	68.50	70.70	103	71 - 136	J
Toluene-d8 (S)	ug/Kg	68.50	67.10	98	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	68.50	74	108	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0796	0.10	126	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1590	0.1740	109	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1680	1240	74	39 - 132	J
Phenol-d6 (S)	ug/Kg	1680	1140	68	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1680	1250	74	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1680	1130	67	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1680	1150	68	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1680	1160	69	50 - 150	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
p-Terphenyl-d14 (S)	ug/Kg	1680	1340	80	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1680	1350	80	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0796	0.1360	**170**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1590	0.2350	**147**	42 - 129	J
Tributylphosphate (S)	ug/Kg	159	175	110	63 - 111	J

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906007 **Date Collected:** 07/24/2024 10:35 **Matrix:** Soil
Sample ID: SB-13-6-7 **Date Received:** 07/26/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.3U	mg/Kg	0.65	1.3	2.6	1	08/01/2024 11:43	08/03/2024 01:47	J
Barium	**34**	mg/Kg	0.65	1.3	2.6	1	08/01/2024 11:43	08/03/2024 01:47	J
Cadmium	0.17J	mg/Kg	0.065	0.13	0.26	1	08/01/2024 11:43	08/03/2024 01:47	J
Copper	**38**	mg/Kg	0.65	1.3	2.6	1	08/01/2024 11:43	08/03/2024 01:47	J
Nickel	**13**	mg/Kg	0.65	1.3	2.6	1	08/01/2024 11:43	08/03/2024 01:47	J
Silver	0.29J	mg/Kg	0.26	0.52	1.0	1	08/01/2024 11:43	08/03/2024 01:47	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.11J	mg/Kg	0.058	0.12	0.23	10	08/06/2024 07:15	08/07/2024 09:16	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.13**	mg/Kg	0.0016	0.0033	0.0065	1	08/12/2024 10:19	08/12/2024 13:38	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/30/2024 10:00	07/31/2024 19:04	J
4,4`-DDE	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/30/2024 10:00	07/31/2024 19:04	J
4,4`-DDT	0.081U	mg/Kg	0.040	0.081	0.16	20	07/30/2024 10:00	08/04/2024 18:21	J
Aldrin	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/30/2024 10:00	07/31/2024 19:04	J
Chlordane (technical)	0.036U	mg/Kg	0.018	0.036	0.073	1	07/30/2024 10:00	07/31/2024 19:04	J
Dieldrin	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/30/2024 10:00	07/31/2024 19:04	J
Endosulfan I	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/30/2024 10:00	07/31/2024 19:04	J
Endosulfan II	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/30/2024 10:00	07/31/2024 19:04	J
Endosulfan Sulfate	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/30/2024 10:00	07/31/2024 19:04	J
Endrin	0.0040U	mg/Kg	0.0020	0.0040	0.0081	1	07/30/2024 10:00	07/31/2024 19:04	J

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906007 **Date Collected:** 07/24/2024 10:35 **Matrix:** Soil
Sample ID: SB-13-6-7 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/30/2024 10:00	07/31/2024 19:04	J
Endrin ketone	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/30/2024 10:00	07/31/2024 19:04	J
Heptachlor	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/30/2024 10:00	07/31/2024 19:04	J
Heptachlor Epoxide	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/30/2024 10:00	07/31/2024 19:04	J
Methoxychlor	0.040U	mg/Kg	0.020	0.040	0.081	20	07/30/2024 10:00	08/04/2024 18:21	J
Toxaphene	1.2U	mg/Kg	0.61	1.2	2.4	20	07/30/2024 10:00	08/04/2024 18:21	J
alpha-BHC	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/30/2024 10:00	07/31/2024 19:04	J
alpha-Chlordane	0.0040U	mg/Kg	0.0030	0.0040	0.0081	1	07/30/2024 10:00	07/31/2024 19:04	J
beta-BHC	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/30/2024 10:00	07/31/2024 19:04	J
delta-BHC	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/30/2024 10:00	07/31/2024 19:04	J
gamma-BHC (Lindane)	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/30/2024 10:00	07/31/2024 19:04	J
gamma-Chlordane	0.0040U	mg/Kg	0.0020	0.0040	0.0081	1	07/30/2024 10:00	07/31/2024 19:04	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.061U	mg/Kg	0.030	0.061	0.12	1	07/30/2024 10:00	08/01/2024 00:13	J
Aroclor 1221 (PCB-1221)	0.061U	mg/Kg	0.030	0.061	0.12	1	07/30/2024 10:00	08/01/2024 00:13	J
Aroclor 1232 (PCB-1232)	0.061U	mg/Kg	0.030	0.061	0.12	1	07/30/2024 10:00	08/01/2024 00:13	J
Aroclor 1242 (PCB-1242)	0.061U	mg/Kg	0.030	0.061	0.12	1	07/30/2024 10:00	08/01/2024 00:13	J
Aroclor 1248 (PCB-1248)	0.061U	mg/Kg	0.030	0.061	0.12	1	07/30/2024 10:00	08/01/2024 00:13	J
Aroclor 1254 (PCB-1254)	0.061U	mg/Kg	0.030	0.061	0.12	1	07/30/2024 10:00	08/01/2024 00:13	J
Aroclor 1260 (PCB-1260)	0.061U	mg/Kg	0.030	0.061	0.12	1	07/30/2024 10:00	08/01/2024 00:13	J
Aroclor 1262 (PCB-1262)	0.061U	mg/Kg	0.030	0.061	0.12	1	07/30/2024 10:00	08/01/2024 00:13	J
Aroclor 1268 (PCB-1268)	0.061U	mg/Kg	0.030	0.061	0.12	1	07/30/2024 10:00	08/01/2024 00:13	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J
Azinphos-methyl	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J
Chlorpyrifos	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J
Chlorpyrifos-methyl	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906007 **Date Collected:** 07/24/2024 10:35 **Matrix:** Soil
Sample ID: SB-13-6-7 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J
Demeton-O	20U	ug/Kg	10	20	40	1	07/30/2024 10:00	08/01/2024 23:55	J
Demeton-S	20U	ug/Kg	10	20	40	1	07/30/2024 10:00	08/01/2024 23:55	J
Diazinon	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J
Dimethoate	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J
Disulfoton	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J
Ethion	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J
Ethoprop	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J
Famphur	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J
Fensulfothion	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J
Fonophos	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J
Malathion	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J
Merphos	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J
Methyl Parathion	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J
Mevinphos	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J
Parathion (Ethyl)	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J
Phorate	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J
Phosmet	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J
Ronnel	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J
Simazine	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J
Sulfotep	40U	ug/Kg	20	40	81	1	07/30/2024 10:00	08/01/2024 23:55	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
2,4,6-Trichlorophenol	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
2,4-Dichlorophenol	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
2,4-Dimethylphenol	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
2,4-Dinitrophenol	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906007 **Date Collected:** 07/24/2024 10:35 **Matrix:** Soil
Sample ID: SB-13-6-7 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
2,6-Dinitrotoluene (2,6-DNT)	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
2-Chloronaphthalene	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 16:34	J
2-Chlorophenol	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
2-Methyl-4,6-dinitrophenol	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
2-Methylnaphthalene	0.013U	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 16:34	J
2-Methylphenol (o-Cresol)	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 16:34	J
2-Nitroaniline	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
2-Nitrophenol	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
3+4-Methylphenol(mp-Cresol)	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 16:34	J
3,3`-Dichlorobenzidine	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
3-Nitroaniline	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 16:34	J
4-Bromophenyl Phenyl Ether	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
4-Chloro-3-methylphenol	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
4-Chloroaniline	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
4-Chlorophenyl Phenyl Ether	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
4-Nitroaniline	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 16:34	J
4-Nitrophenol	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 16:34	J
Acenaphthene	0.013U	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 16:34	J
Acenaphthylene	0.012J	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 16:34	J
Acetophenone	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
Anthracene	0.0063J	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 16:34	J
Atrazine	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 16:34	J
Benzaldehyde	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
Benzo[a]anthracene	**0.13**	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 16:34	J
Benzo[a]pyrene	**0.14**	mg/Kg	0.010	0.020	0.041	1	07/30/2024 10:00	08/07/2024 16:34	J
Benzo[b]fluoranthene	**0.19**	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 16:34	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906007 **Date Collected:** 07/24/2024 10:35 **Matrix:** Soil
Sample ID: SB-13-6-7 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	**0.071**	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 16:34	J
Benzo[k]fluoranthene	**0.059**	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 16:34	J
Biphenyl	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 16:34	J
Butyl benzyl phthalate	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 16:34	J
Caprolactam	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
Carbazole	0.013U	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 16:34	J
Chrysene	**0.14**	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 16:34	J
Di-n-Butyl Phthalate	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 16:34	J
Di-n-octyl Phthalate	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 16:34	J
Dibenzo[a,h]anthracene	0.020J	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 16:34	J
Dibenzofuran	0.013U	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 16:34	J
Diethyl phthalate	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 16:34	J
Dimethyl phthalate	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
Fluoranthene	**0.15**	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 16:34	J
Fluorene	0.013U	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 16:34	J
Hexachlorobenzene	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
Hexachlorobutadiene	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
Hexachlorocyclopentadiene	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
Hexachloroethane	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
Indeno(1,2,3-cd)pyrene	**0.073**	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 16:34	J
Isophorone	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
N-Nitrosodi-n-propylamine	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
N-Nitrosodiphenylamine	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
Naphthalene	0.013U	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 16:34	J
Nitrobenzene	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 16:34	J
Pentachlorophenol	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
Phenanthrene	**0.025**	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 16:34	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906007 **Date Collected:** 07/24/2024 10:35 **Matrix:** Soil
Sample ID: SB-13-6-7 **Date Received:** 07/26/2024 09:00

Parameter									
Phenol	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 16:34	J
Pyrene	**0.18**	mg/Kg	0.0063	0.013	0.025	1	07/30/2024 10:00	08/07/2024 16:34	J
bis(2-Chloroethyl)Ether	0.21U	mg/Kg	0.11	0.21	0.42	1	07/30/2024 10:00	08/07/2024 16:34	J
bis(2-Ethylhexyl) phthalate	0.42U	mg/Kg	0.21	0.42	0.84	1	07/30/2024 10:00	08/07/2024 16:34	J
(SM 2540G)									
Percent Moisture	**21**	%		0.0010	0.0010	1	07/31/2024 16:01	07/31/2024 16:01	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
1,1,2,2-Tetrachloroethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
1,1,2-Trichloroethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
1,1,2-Trichlorotrifluoroethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
1,1-Dichloroethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
1,1-Dichloroethylene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
1,2,4-Trichlorobenzene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
1,2-Dibromo-3-Chloropropane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
1,2-Dichlorobenzene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
1,2-Dichloroethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
1,2-Dichloropropane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
1,3-Dichlorobenzene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
1,4-Dichlorobenzene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
1,4-Dioxane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
2-Butanone (MEK)	0.0024J	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906007 **Date Collected:** 07/24/2024 10:35 **Matrix:** Soil
Sample ID: SB-13-6-7 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2-Hexanone	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
4-Methyl-2-pentanone (MIBK)	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Acetone	**0.067**	mg/Kg	0.0019	0.0037	0.0074	1	07/29/2024 21:02	07/30/2024 01:19	J
Benzene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Bromodichloromethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Bromoform	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Bromomethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Carbon Disulfide	0.0019J	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Carbon Tetrachloride	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Chlorobenzene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Chloroethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Chloroform	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Chloromethane	0.0037U	mg/Kg	0.0019	0.0037	0.0074	1	07/29/2024 21:02	07/30/2024 01:19	J
Cyclohexane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Dibromochloromethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Dichlorodifluoromethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Ethylbenzene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Ethylene Dibromide (EDB)	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Isopropylbenzene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Methyl Acetate	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Methyl Cyclohexane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Methyl tert-butyl Ether (MTBE)	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906007 **Date Collected:** 07/24/2024 10:35 **Matrix:** Soil
Sample ID: SB-13-6-7 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Methylene Chloride	0.0037U	mg/Kg	0.0019	0.0037	0.0074	1	07/29/2024 21:02	07/30/2024 01:19	J
Styrene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Tetrachloroethylene (PCE)	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Toluene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Trichloroethene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Trichlorofluoromethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Vinyl Chloride	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
Xylene (Total)	0.0056U	mg/Kg	0.0028	0.0056	0.011	1	07/29/2024 21:02	07/30/2024 01:19	J
cis-1,2-Dichloroethylene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
cis-1,3-Dichloropropene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
trans-1,2-Dichloroethylene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J
trans-1,3-Dichloropropylene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	07/29/2024 21:02	07/30/2024 01:19	J

Analysis Results Comments

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tributylphosphate

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	49.20	50.50	103	71 - 136	J
Toluene-d8 (S)	ug/Kg	49.20	47.80	97	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	49.20	52.80	107	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0803	0.0936	117	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1610	0.21	**131**	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1680	1120	67	39 - 132	J
Phenol-d6 (S)	ug/Kg	1680	977	58	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1680	1060	63	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1680	982	58	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1680	997	59	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1680	1060	63	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1680	1200	71	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1680	1300	78	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0803	0.0965	120	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1610	0.1920	120	42 - 129	J
Tributylphosphate (S)	ug/Kg	161	181	**112**	63 - 111	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906008 **Date Collected:** 07/24/2024 12:15 **Matrix:** Soil
Sample ID: SB-14-6-7 **Date Received:** 07/26/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.3U	mg/Kg	0.66	1.3	2.6	1	08/01/2024 11:43	08/03/2024 01:51	J
Barium	**43**	mg/Kg	0.66	1.3	2.6	1	08/01/2024 11:43	08/03/2024 01:51	J
Cadmium	**0.34**	mg/Kg	0.066	0.13	0.26	1	08/01/2024 11:43	08/03/2024 01:51	J
Copper	**55**	mg/Kg	0.66	1.3	2.6	1	08/01/2024 11:43	08/03/2024 01:51	J
Nickel	**18**	mg/Kg	0.66	1.3	2.6	1	08/01/2024 11:43	08/03/2024 01:51	J
Silver	0.53U	mg/Kg	0.26	0.53	1.1	1	08/01/2024 11:43	08/03/2024 01:51	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.13J	mg/Kg	0.065	0.13	0.26	10	08/06/2024 07:15	08/07/2024 09:20	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.19**	mg/Kg	0.0016	0.0031	0.0063	1	08/12/2024 10:19	08/12/2024 13:41	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.0022U	mg/Kg	0.0011	0.0022	0.0043	1	07/30/2024 10:00	07/31/2024 19:25	J
4,4`-DDE	0.0022U	mg/Kg	0.0011	0.0022	0.0043	1	07/30/2024 10:00	07/31/2024 19:25	J
4,4`-DDT	0.043U	mg/Kg	0.022	0.043	0.087	10	07/30/2024 10:00	08/04/2024 18:41	J
Aldrin	0.0022U	mg/Kg	0.0011	0.0022	0.0043	1	07/30/2024 10:00	07/31/2024 19:25	J
Chlordane (technical)	0.039U	mg/Kg	0.020	0.039	0.078	1	07/30/2024 10:00	07/31/2024 19:25	J
Dieldrin	0.0022U	mg/Kg	0.0011	0.0022	0.0043	1	07/30/2024 10:00	07/31/2024 19:25	J
Endosulfan I	0.0022U	mg/Kg	0.0011	0.0022	0.0043	1	07/30/2024 10:00	07/31/2024 19:25	J
Endosulfan II	0.0022U	mg/Kg	0.0011	0.0022	0.0043	1	07/30/2024 10:00	07/31/2024 19:25	J
Endosulfan Sulfate	0.0022U	mg/Kg	0.0011	0.0022	0.0043	1	07/30/2024 10:00	07/31/2024 19:25	J
Endrin	0.0043U	mg/Kg	0.0022	0.0043	0.0087	1	07/30/2024 10:00	07/31/2024 19:25	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906008 **Date Collected:** 07/24/2024 12:15 **Matrix:** Soil
Sample ID: SB-14-6-7 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.0022U	mg/Kg	0.0011	0.0022	0.0043	1	07/30/2024 10:00	07/31/2024 19:25	J
Endrin ketone	0.0022U	mg/Kg	0.0011	0.0022	0.0043	1	07/30/2024 10:00	07/31/2024 19:25	J
Heptachlor	0.0022U	mg/Kg	0.0011	0.0022	0.0043	1	07/30/2024 10:00	07/31/2024 19:25	J
Heptachlor Epoxide	0.0022U	mg/Kg	0.0011	0.0022	0.0043	1	07/30/2024 10:00	07/31/2024 19:25	J
Methoxychlor	0.022U	mg/Kg	0.011	0.022	0.043	10	07/30/2024 10:00	08/04/2024 18:41	J
Toxaphene	0.65U	mg/Kg	0.33	0.65	1.3	10	07/30/2024 10:00	08/04/2024 18:41	J
alpha-BHC	0.0022U	mg/Kg	0.0011	0.0022	0.0043	1	07/30/2024 10:00	07/31/2024 19:25	J
alpha-Chlordane	0.0043U	mg/Kg	0.0033	0.0043	0.0087	1	07/30/2024 10:00	07/31/2024 19:25	J
beta-BHC	0.0022U	mg/Kg	0.0011	0.0022	0.0043	1	07/30/2024 10:00	07/31/2024 19:25	J
delta-BHC	0.0022U	mg/Kg	0.0011	0.0022	0.0043	1	07/30/2024 10:00	07/31/2024 19:25	J
gamma-BHC (Lindane)	0.0022U	mg/Kg	0.0011	0.0022	0.0043	1	07/30/2024 10:00	07/31/2024 19:25	J
gamma-Chlordane	0.0043U	mg/Kg	0.0022	0.0043	0.0087	1	07/30/2024 10:00	07/31/2024 19:25	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.065U	mg/Kg	0.033	0.065	0.13	1	07/30/2024 10:00	08/01/2024 00:34	J
Aroclor 1221 (PCB-1221)	0.065U	mg/Kg	0.033	0.065	0.13	1	07/30/2024 10:00	08/01/2024 00:34	J
Aroclor 1232 (PCB-1232)	0.065U	mg/Kg	0.033	0.065	0.13	1	07/30/2024 10:00	08/01/2024 00:34	J
Aroclor 1242 (PCB-1242)	0.065U	mg/Kg	0.033	0.065	0.13	1	07/30/2024 10:00	08/01/2024 00:34	J
Aroclor 1248 (PCB-1248)	0.065U	mg/Kg	0.033	0.065	0.13	1	07/30/2024 10:00	08/01/2024 00:34	J
Aroclor 1254 (PCB-1254)	0.065U	mg/Kg	0.033	0.065	0.13	1	07/30/2024 10:00	08/01/2024 00:34	J
Aroclor 1260 (PCB-1260)	0.065U	mg/Kg	0.033	0.065	0.13	1	07/30/2024 10:00	08/01/2024 00:34	J
Aroclor 1262 (PCB-1262)	0.065U	mg/Kg	0.033	0.065	0.13	1	07/30/2024 10:00	08/01/2024 00:34	J
Aroclor 1268 (PCB-1268)	0.065U	mg/Kg	0.033	0.065	0.13	1	07/30/2024 10:00	08/01/2024 00:34	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J
Azinphos-methyl	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J
Chlorpyrifos	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J
Chlorpyrifos-methyl	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906008 **Date Collected:** 07/24/2024 12:15 **Matrix:** Soil
Sample ID: SB-14-6-7 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J
Demeton-O	21U	ug/Kg	11	21	43	1	07/30/2024 10:00	08/02/2024 00:56	J
Demeton-S	21U	ug/Kg	11	21	43	1	07/30/2024 10:00	08/02/2024 00:56	J
Diazinon	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J
Dimethoate	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J
Disulfoton	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J
Ethion	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J
Ethoprop	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J
Famphur	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J
Fensulfothion	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J
Fonophos	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J
Malathion	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J
Merphos	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J
Methyl Parathion	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J
Mevinphos	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J
Parathion (Ethyl)	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J
Phorate	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J
Phosmet	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J
Ronnel	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J
Simazine	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J
Sulfotep	43U	ug/Kg	21	43	86	1	07/30/2024 10:00	08/02/2024 00:56	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
2,4,6-Trichlorophenol	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
2,4-Dichlorophenol	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
2,4-Dimethylphenol	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
2,4-Dinitrophenol	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906008 **Date Collected:** 07/24/2024 12:15 **Matrix:** Soil
Sample ID: SB-14-6-7 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
2,6-Dinitrotoluene (2,6-DNT)	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
2-Chloronaphthalene	0.45U	mg/Kg	0.23	0.45	0.90	1	07/30/2024 10:00	08/06/2024 21:15	J
2-Chlorophenol	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
2-Methyl-4,6-dinitrophenol	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
2-Methylnaphthalene	0.014U	mg/Kg	0.0068	0.014	0.027	1	07/30/2024 10:00	08/06/2024 21:15	J
2-Methylphenol (o-Cresol)	0.45U	mg/Kg	0.23	0.45	0.90	1	07/30/2024 10:00	08/06/2024 21:15	J
2-Nitroaniline	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
2-Nitrophenol	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
3+4-Methylphenol(mp-Cresol)	0.45U	mg/Kg	0.23	0.45	0.90	1	07/30/2024 10:00	08/06/2024 21:15	J
3,3`-Dichlorobenzidine	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
3-Nitroaniline	0.45U	mg/Kg	0.23	0.45	0.90	1	07/30/2024 10:00	08/06/2024 21:15	J
4-Bromophenyl Phenyl Ether	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
4-Chloro-3-methylphenol	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
4-Chloroaniline	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
4-Chlorophenyl Phenyl Ether	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
4-Nitroaniline	0.45U	mg/Kg	0.23	0.45	0.90	1	07/30/2024 10:00	08/06/2024 21:15	J
4-Nitrophenol	0.45U	mg/Kg	0.23	0.45	0.90	1	07/30/2024 10:00	08/06/2024 21:15	J
Acenaphthene	0.014U	mg/Kg	0.0068	0.014	0.027	1	07/30/2024 10:00	08/06/2024 21:15	J
Acenaphthylene	0.014U	mg/Kg	0.0068	0.014	0.027	1	07/30/2024 10:00	08/06/2024 21:15	J
Acetophenone	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
Anthracene	0.014U	mg/Kg	0.0068	0.014	0.027	1	07/30/2024 10:00	08/06/2024 21:15	J
Atrazine	0.45U	mg/Kg	0.23	0.45	0.90	1	07/30/2024 10:00	08/06/2024 21:15	J
Benzaldehyde	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
Benzo[a]anthracene	0.014U	mg/Kg	0.0068	0.014	0.027	1	07/30/2024 10:00	08/06/2024 21:15	J
Benzo[a]pyrene	0.022U	mg/Kg	0.011	0.022	0.043	1	07/30/2024 10:00	08/06/2024 21:15	J
Benzo[b]fluoranthene	0.0087J	mg/Kg	0.0068	0.014	0.027	1	07/30/2024 10:00	08/06/2024 21:15	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906008 **Date Collected:** 07/24/2024 12:15 **Matrix:** Soil
Sample ID: SB-14-6-7 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.014U	mg/Kg	0.0068	0.014	0.027	1	07/30/2024 10:00	08/06/2024 21:15	J
Benzo[k]fluoranthene	0.014U	mg/Kg	0.0068	0.014	0.027	1	07/30/2024 10:00	08/06/2024 21:15	J
Biphenyl	0.45U	mg/Kg	0.23	0.45	0.90	1	07/30/2024 10:00	08/06/2024 21:15	J
Butyl benzyl phthalate	0.45U	mg/Kg	0.23	0.45	0.90	1	07/30/2024 10:00	08/06/2024 21:15	J
Caprolactam	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
Carbazole	0.014U	mg/Kg	0.0068	0.014	0.027	1	07/30/2024 10:00	08/06/2024 21:15	J
Chrysene	0.014U	mg/Kg	0.0068	0.014	0.027	1	07/30/2024 10:00	08/06/2024 21:15	J
Di-n-Butyl Phthalate	0.45U	mg/Kg	0.23	0.45	0.90	1	07/30/2024 10:00	08/06/2024 21:15	J
Di-n-octyl Phthalate	0.45U	mg/Kg	0.23	0.45	0.90	1	07/30/2024 10:00	08/06/2024 21:15	J
Dibenzo[a,h]anthracene	0.014U	mg/Kg	0.0068	0.014	0.027	1	07/30/2024 10:00	08/06/2024 21:15	J
Dibenzofuran	0.014U	mg/Kg	0.0068	0.014	0.027	1	07/30/2024 10:00	08/06/2024 21:15	J
Diethyl phthalate	0.45U	mg/Kg	0.23	0.45	0.90	1	07/30/2024 10:00	08/06/2024 21:15	J
Dimethyl phthalate	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
Fluoranthene	0.0078J	mg/Kg	0.0068	0.014	0.027	1	07/30/2024 10:00	08/06/2024 21:15	J
Fluorene	0.014U	mg/Kg	0.0068	0.014	0.027	1	07/30/2024 10:00	08/06/2024 21:15	J
Hexachlorobenzene	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
Hexachlorobutadiene	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
Hexachlorocyclopentadiene	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
Hexachloroethane	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
Indeno(1,2,3-cd)pyrene	0.014U	mg/Kg	0.0068	0.014	0.027	1	07/30/2024 10:00	08/06/2024 21:15	J
Isophorone	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
N-Nitrosodi-n-propylamine	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
N-Nitrosodiphenylamine	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
Naphthalene	0.014U	mg/Kg	0.0068	0.014	0.027	1	07/30/2024 10:00	08/06/2024 21:15	J
Nitrobenzene	0.45U	mg/Kg	0.23	0.45	0.90	1	07/30/2024 10:00	08/06/2024 21:15	J
Pentachlorophenol	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
Phenanthrene	0.014U	mg/Kg	0.0068	0.014	0.027	1	07/30/2024 10:00	08/06/2024 21:15	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906008 **Date Collected:** 07/24/2024 12:15 **Matrix:** Soil
Sample ID: SB-14-6-7 **Date Received:** 07/26/2024 09:00

Parameter									
Phenol	0.45U	mg/Kg	0.23	0.45	0.90	1	07/30/2024 10:00	08/06/2024 21:15	J
Pyrene	0.0074J	mg/Kg	0.0068	0.014	0.027	1	07/30/2024 10:00	08/06/2024 21:15	J
bis(2-Chloroethyl)Ether	0.23U	mg/Kg	0.11	0.23	0.45	1	07/30/2024 10:00	08/06/2024 21:15	J
bis(2-Ethylhexyl) phthalate	0.45U	mg/Kg	0.23	0.45	0.90	1	07/30/2024 10:00	08/06/2024 21:15	J
(SM 2540G)									
Percent Moisture	**25**	%		0.0010	0.0010	1	07/31/2024 16:01	07/31/2024 16:01	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
1,1,2,2-Tetrachloroethane	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
1,1,2-Trichloroethane	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
1,1,2-Trichlorotrifluoroethane	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
1,1-Dichloroethane	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
1,1-Dichloroethylene	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
1,2,4-Trichlorobenzene	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
1,2-Dibromo-3-Chloropropane	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
1,2-Dichlorobenzene	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
1,2-Dichloroethane	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
1,2-Dichloropropane	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
1,3-Dichlorobenzene	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
1,4-Dichlorobenzene	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
1,4-Dioxane	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
2-Butanone (MEK)	0.0026J	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
2-Hexanone	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
4-Methyl-2-pentanone (MIBK)	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Acetone	**0.068**	mg/Kg	0.0020	0.0040	0.0080	1	07/29/2024 21:02	07/30/2024 01:45	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906008 **Date Collected:** 07/24/2024 12:15 **Matrix:** Soil
Sample ID: SB-14-6-7 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Bromodichloromethane	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Bromoform	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Bromomethane	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Carbon Disulfide	0.0028J	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Carbon Tetrachloride	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Chlorobenzene	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Chloroethane	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Chloroform	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Chloromethane	0.0040U	mg/Kg	0.0020	0.0040	0.0080	1	07/29/2024 21:02	07/30/2024 01:45	J
Cyclohexane	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Dibromochloromethane	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Dichlorodifluoromethane	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Ethylbenzene	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Ethylene Dibromide (EDB)	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Isopropylbenzene	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Methyl Acetate	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Methyl Cyclohexane	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Methyl tert-butyl Ether (MTBE)	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Methylene Chloride	0.0040U	mg/Kg	0.0020	0.0040	0.0080	1	07/29/2024 21:02	07/30/2024 01:45	J
Styrene	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Tetrachloroethylene (PCE)	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Toluene	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Trichloroethene	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Trichlorofluoromethane	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Vinyl Chloride	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
Xylene (Total)	0.0060U	mg/Kg	0.0030	0.0060	0.012	1	07/29/2024 21:02	07/30/2024 01:45	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906008 **Date Collected:** 07/24/2024 12:15 **Matrix:** Soil
Sample ID: SB-14-6-7 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
cis-1,3-Dichloropropene	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
trans-1,2-Dichloroethylene	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J
trans-1,3-Dichloropropylene	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	07/29/2024 21:02	07/30/2024 01:45	J

Analysis Results Comments

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	49.70	53.10	107	71 - 136	J
Toluene-d8 (S)	ug/Kg	49.70	49.60	100	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	49.70	52.10	105	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0813	0.0929	114	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1630	0.2040	125	44 - 130	J
Fluoranthene-d10 (S)	ug/Kg	1690	1430	85	50 - 150	J
2,4,6-Tribromophenol (S)	ug/Kg	1690	1260	75	39 - 132	J
Phenol-d6 (S)	ug/Kg	1690	1170	69	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1690	1210	72	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1690	1160	69	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1690	1150	68	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1690	1270	75	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1690	1240	74	54 - 127	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/Kg	0.0813	0.0933	115	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1630	0.17	104	42 - 129	J
Tributylphosphate (S)	ug/Kg	160	156	97	63 - 111	J

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906009 **Date Collected:** 07/24/2024 14:00 **Matrix:** Soil
Sample ID: SB-15-0-4 **Date Received:** 07/26/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.3U	mg/Kg	0.64	1.3	2.5	1	08/01/2024 11:43	08/03/2024 01:55	J
Barium	**86**	mg/Kg	3.2	6.4	13	5	08/01/2024 11:43	08/07/2024 16:52	J
Cadmium	**1.4**	mg/Kg	0.064	0.13	0.25	1	08/01/2024 11:43	08/03/2024 01:55	J
Copper	**110**	mg/Kg	0.64	1.3	2.5	1	08/01/2024 11:43	08/03/2024 01:55	J
Nickel	**20**	mg/Kg	0.64	1.3	2.5	1	08/01/2024 11:43	08/03/2024 01:55	J
Silver	0.36J	mg/Kg	0.25	0.51	1.0	1	08/01/2024 11:43	08/03/2024 01:55	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.11U	mg/Kg	0.057	0.11	0.23	10	08/06/2024 07:15	08/07/2024 09:23	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.12**	mg/Kg	0.0016	0.0032	0.0064	1	08/12/2024 10:19	08/12/2024 13:44	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.039U	mg/Kg	0.020	0.039	0.078	20	07/30/2024 10:00	07/31/2024 19:45	J
4,4`-DDE	0.039U	mg/Kg	0.020	0.039	0.078	20	07/30/2024 10:00	07/31/2024 19:45	J
4,4`-DDT	0.39U	mg/Kg	0.20	0.39	0.78	100	07/30/2024 10:00	08/04/2024 20:03	J
Aldrin	0.039U	mg/Kg	0.020	0.039	0.078	20	07/30/2024 10:00	07/31/2024 19:45	J
Chlordane (technical)	0.70U	mg/Kg	0.35	0.70	1.4	20	07/30/2024 10:00	07/31/2024 19:45	J
Dieldrin	0.039U	mg/Kg	0.020	0.039	0.078	20	07/30/2024 10:00	07/31/2024 19:45	J
Endosulfan I	0.039U	mg/Kg	0.020	0.039	0.078	20	07/30/2024 10:00	07/31/2024 19:45	J
Endosulfan II	0.039U	mg/Kg	0.020	0.039	0.078	20	07/30/2024 10:00	07/31/2024 19:45	J
Endosulfan Sulfate	0.039U	mg/Kg	0.020	0.039	0.078	20	07/30/2024 10:00	07/31/2024 19:45	J
Endrin	0.078U	mg/Kg	0.039	0.078	0.16	20	07/30/2024 10:00	07/31/2024 19:45	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906009 **Date Collected:** 07/24/2024 14:00 **Matrix:** Soil
Sample ID: SB-15-0-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.039U	mg/Kg	0.020	0.039	0.078	20	07/30/2024 10:00	07/31/2024 19:45	J
Endrin ketone	0.039U	mg/Kg	0.020	0.039	0.078	20	07/30/2024 10:00	07/31/2024 19:45	J
Heptachlor	0.039U	mg/Kg	0.020	0.039	0.078	20	07/30/2024 10:00	07/31/2024 19:45	J
Heptachlor Epoxide	0.039U	mg/Kg	0.020	0.039	0.078	20	07/30/2024 10:00	07/31/2024 19:45	J
Methoxychlor	0.20U	mg/Kg	0.098	0.20	0.39	100	07/30/2024 10:00	08/04/2024 20:03	J
Toxaphene	5.9U	mg/Kg	2.9	5.9	12	100	07/30/2024 10:00	08/04/2024 20:03	J
alpha-BHC	0.039U	mg/Kg	0.020	0.039	0.078	20	07/30/2024 10:00	07/31/2024 19:45	J
alpha-Chlordane	0.078U	mg/Kg	0.059	0.078	0.16	20	07/30/2024 10:00	07/31/2024 19:45	J
beta-BHC	0.039U	mg/Kg	0.020	0.039	0.078	20	07/30/2024 10:00	07/31/2024 19:45	J
delta-BHC	0.039U	mg/Kg	0.020	0.039	0.078	20	07/30/2024 10:00	07/31/2024 19:45	J
gamma-BHC (Lindane)	0.039U	mg/Kg	0.020	0.039	0.078	20	07/30/2024 10:00	07/31/2024 19:45	J
gamma-Chlordane	0.078U	mg/Kg	0.039	0.078	0.16	20	07/30/2024 10:00	07/31/2024 19:45	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.29U	mg/Kg	0.15	0.29	0.59	5	07/30/2024 10:00	08/03/2024 04:07	J
Aroclor 1221 (PCB-1221)	0.29U	mg/Kg	0.15	0.29	0.59	5	07/30/2024 10:00	08/03/2024 04:07	J
Aroclor 1232 (PCB-1232)	0.29U	mg/Kg	0.15	0.29	0.59	5	07/30/2024 10:00	08/03/2024 04:07	J
Aroclor 1242 (PCB-1242)	0.29U	mg/Kg	0.15	0.29	0.59	5	07/30/2024 10:00	08/03/2024 04:07	J
Aroclor 1248 (PCB-1248)	0.29U	mg/Kg	0.15	0.29	0.59	5	07/30/2024 10:00	08/03/2024 04:07	J
Aroclor 1254 (PCB-1254)	0.29U	mg/Kg	0.15	0.29	0.59	5	07/30/2024 10:00	08/03/2024 04:07	J
Aroclor 1260 (PCB-1260)	0.29U	mg/Kg	0.15	0.29	0.59	5	07/30/2024 10:00	08/03/2024 04:07	J
Aroclor 1262 (PCB-1262)	0.29U	mg/Kg	0.15	0.29	0.59	5	07/30/2024 10:00	08/03/2024 04:07	J
Aroclor 1268 (PCB-1268)	0.29U	mg/Kg	0.15	0.29	0.59	5	07/30/2024 10:00	08/03/2024 04:07	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J
Azinphos-methyl	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J
Chlorpyrifos	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J
Chlorpyrifos-methyl	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J

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Fax: (904) 363-9354

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906009 **Date Collected:** 07/24/2024 14:00 **Matrix:** Soil
Sample ID: SB-15-0-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J
Demeton-O	18U	ug/Kg	9.1	18	36	1	07/30/2024 10:00	08/02/2024 01:26	J
Demeton-S	18U	ug/Kg	9.1	18	36	1	07/30/2024 10:00	08/02/2024 01:26	J
Diazinon	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J
Dimethoate	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J
Disulfoton	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J
Ethion	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J
Ethoprop	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J
Famphur	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J
Fensulfothion	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J
Fonophos	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J
Malathion	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J
Merphos	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J
Methyl Parathion	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J
Mevinphos	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J
Parathion (Ethyl)	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J
Phorate	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J
Phosmet	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J
Ronnel	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J
Simazine	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J
Sulfotep	36U	ug/Kg	18	36	73	1	07/30/2024 10:00	08/02/2024 01:26	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
2,4,6-Trichlorophenol	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
2,4-Dichlorophenol	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
2,4-Dimethylphenol	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
2,4-Dinitrophenol	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906009 **Date Collected:** 07/24/2024 14:00 **Matrix:** Soil
Sample ID: SB-15-0-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
2,6-Dinitrotoluene (2,6-DNT)	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
2-Chloronaphthalene	21U	mg/Kg	10	21	41	20	07/30/2024 10:00	08/07/2024 19:19	J
2-Chlorophenol	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
2-Methyl-4,6-dinitrophenol	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
2-Methylnaphthalene	0.62U	mg/Kg	0.31	0.62	1.2	20	07/30/2024 10:00	08/07/2024 19:19	J
2-Methylphenol (o-Cresol)	21U	mg/Kg	10	21	41	20	07/30/2024 10:00	08/07/2024 19:19	J
2-Nitroaniline	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
2-Nitrophenol	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
3+4-Methylphenol(mp-Cresol)	21U	mg/Kg	10	21	41	20	07/30/2024 10:00	08/07/2024 19:19	J
3,3`-Dichlorobenzidine	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
3-Nitroaniline	21U	mg/Kg	10	21	41	20	07/30/2024 10:00	08/07/2024 19:19	J
4-Bromophenyl Phenyl Ether	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
4-Chloro-3-methylphenol	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
4-Chloroaniline	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
4-Chlorophenyl Phenyl Ether	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
4-Nitroaniline	21U	mg/Kg	10	21	41	20	07/30/2024 10:00	08/07/2024 19:19	J
4-Nitrophenol	21U	mg/Kg	10	21	41	20	07/30/2024 10:00	08/07/2024 19:19	J
Acenaphthene	0.62U	mg/Kg	0.31	0.62	1.2	20	07/30/2024 10:00	08/07/2024 19:19	J
Acenaphthylene	0.62U	mg/Kg	0.31	0.62	1.2	20	07/30/2024 10:00	08/07/2024 19:19	J
Acetophenone	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
Anthracene	0.62U	mg/Kg	0.31	0.62	1.2	20	07/30/2024 10:00	08/07/2024 19:19	J
Atrazine	21U	mg/Kg	10	21	41	20	07/30/2024 10:00	08/07/2024 19:19	J
Benzaldehyde	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
Benzo[a]anthracene	0.62U	mg/Kg	0.31	0.62	1.2	20	07/30/2024 10:00	08/07/2024 19:19	J
Benzo[a]pyrene	0.99U	mg/Kg	0.50	0.99	2.0	20	07/30/2024 10:00	08/07/2024 19:19	J
Benzo[b]fluoranthene	0.62U	mg/Kg	0.31	0.62	1.2	20	07/30/2024 10:00	08/07/2024 19:19	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906009 **Date Collected:** 07/24/2024 14:00 **Matrix:** Soil
Sample ID: SB-15-0-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.62U	mg/Kg	0.31	0.62	1.2	20	07/30/2024 10:00	08/07/2024 19:19	J
Benzo[k]fluoranthene	0.62U	mg/Kg	0.31	0.62	1.2	20	07/30/2024 10:00	08/07/2024 19:19	J
Biphenyl	21U	mg/Kg	10	21	41	20	07/30/2024 10:00	08/07/2024 19:19	J
Butyl benzyl phthalate	21U	mg/Kg	10	21	41	20	07/30/2024 10:00	08/07/2024 19:19	J
Caprolactam	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
Carbazole	0.62U	mg/Kg	0.31	0.62	1.2	20	07/30/2024 10:00	08/07/2024 19:19	J
Chrysene	0.62U	mg/Kg	0.31	0.62	1.2	20	07/30/2024 10:00	08/07/2024 19:19	J
Di-n-Butyl Phthalate	21U	mg/Kg	10	21	41	20	07/30/2024 10:00	08/07/2024 19:19	J
Di-n-octyl Phthalate	21U	mg/Kg	10	21	41	20	07/30/2024 10:00	08/07/2024 19:19	J
Dibenzo[a,h]anthracene	0.62U	mg/Kg	0.31	0.62	1.2	20	07/30/2024 10:00	08/07/2024 19:19	J
Dibenzofuran	0.62U	mg/Kg	0.31	0.62	1.2	20	07/30/2024 10:00	08/07/2024 19:19	J
Diethyl phthalate	21U	mg/Kg	10	21	41	20	07/30/2024 10:00	08/07/2024 19:19	J
Dimethyl phthalate	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
Fluoranthene	0.62U	mg/Kg	0.31	0.62	1.2	20	07/30/2024 10:00	08/07/2024 19:19	J
Fluorene	0.62U	mg/Kg	0.31	0.62	1.2	20	07/30/2024 10:00	08/07/2024 19:19	J
Hexachlorobenzene	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
Hexachlorobutadiene	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
Hexachlorocyclopentadiene	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
Hexachloroethane	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
Indeno(1,2,3-cd)pyrene	0.62U	mg/Kg	0.31	0.62	1.2	20	07/30/2024 10:00	08/07/2024 19:19	J
Isophorone	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
N-Nitrosodi-n-propylamine	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
N-Nitrosodiphenylamine	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
Naphthalene	0.62U	mg/Kg	0.31	0.62	1.2	20	07/30/2024 10:00	08/07/2024 19:19	J
Nitrobenzene	21U	mg/Kg	10	21	41	20	07/30/2024 10:00	08/07/2024 19:19	J
Pentachlorophenol	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
Phenanthrene	0.62U	mg/Kg	0.31	0.62	1.2	20	07/30/2024 10:00	08/07/2024 19:19	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906009 **Date Collected:** 07/24/2024 14:00 **Matrix:** Soil
Sample ID: SB-15-0-4 **Date Received:** 07/26/2024 09:00

Parameter									
Phenol	21U	mg/Kg	10	21	41	20	07/30/2024 10:00	08/07/2024 19:19	J
Pyrene	0.62U	mg/Kg	0.31	0.62	1.2	20	07/30/2024 10:00	08/07/2024 19:19	J
bis(2-Chloroethyl)Ether	10U	mg/Kg	5.2	10	21	20	07/30/2024 10:00	08/07/2024 19:19	J
bis(2-Ethylhexyl) phthalate	21U	mg/Kg	10	21	41	20	07/30/2024 10:00	08/07/2024 19:19	J
(SM 2540G)									
Percent Moisture	**18**	%		0.0010	0.0010	1	07/31/2024 16:01	07/31/2024 16:01	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
1,1,2,2-Tetrachloroethane	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
1,1,2-Trichloroethane	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
1,1,2-Trichlorotrifluoroethane	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
1,1-Dichloroethane	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
1,1-Dichloroethylene	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
1,2,4-Trichlorobenzene	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
1,2-Dibromo-3-Chloropropane	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
1,2-Dichlorobenzene	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
1,2-Dichloroethane	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
1,2-Dichloropropane	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
1,3-Dichlorobenzene	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
1,4-Dichlorobenzene	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
1,4-Dioxane	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
2-Butanone (MEK)	0.0051J	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
2-Hexanone	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
4-Methyl-2-pentanone (MIBK)	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Acetone	**0.087**	mg/Kg	0.0031	0.0063	0.013	1	07/29/2024 21:02	07/30/2024 02:11	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906009 **Date Collected:** 07/24/2024 14:00 **Matrix:** Soil
Sample ID: SB-15-0-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Bromodichloromethane	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Bromoform	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Bromomethane	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Carbon Disulfide	**0.0075**	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Carbon Tetrachloride	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Chlorobenzene	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Chloroethane	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Chloroform	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Chloromethane	0.0063U	mg/Kg	0.0031	0.0063	0.013	1	07/29/2024 21:02	07/30/2024 02:11	J
Cyclohexane	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Dibromochloromethane	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Dichlorodifluoromethane	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Ethylbenzene	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Ethylene Dibromide (EDB)	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Isopropylbenzene	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Methyl Acetate	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Methyl Cyclohexane	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Methyl tert-butyl Ether (MTBE)	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Methylene Chloride	0.0063U	mg/Kg	0.0031	0.0063	0.013	1	07/29/2024 21:02	07/30/2024 02:11	J
Styrene	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Tetrachloroethylene (PCE)	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Toluene	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Trichloroethene	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Trichlorofluoromethane	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Vinyl Chloride	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
Xylene (Total)	0.0094U	mg/Kg	0.0047	0.0094	0.019	1	07/29/2024 21:02	07/30/2024 02:11	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906009 **Date Collected:** 07/24/2024 14:00 **Matrix:** Soil
Sample ID: SB-15-0-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
cis-1,3-Dichloropropene	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
trans-1,2-Dichloroethylene	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J
trans-1,3-Dichloropropylene	0.0031U	mg/Kg	0.0016	0.0031	0.0063	1	07/29/2024 21:02	07/30/2024 02:11	J

Analysis Results Comments

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tributylphosphate

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	85.30	87.60	103	71 - 136	J
Toluene-d8 (S)	ug/Kg	85.30	84.30	99	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	85.30	91.60	107	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.08	0.0750	94	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.16	0.1520	95	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1690	0	**0**	39 - 132	J
Phenol-d6 (S)	ug/Kg	1690	0	**0**	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1690	0	**0**	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1690	0	**0**	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1690	0	**0**	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1690	0	**0**	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1690	0	**0**	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1690	0	**0**	50 - 150	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/Kg	0.08	0.0746	93	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.16	0.1860	116	42 - 129	J
Tributylphosphate (S)	ug/Kg	149	847	**570**	63 - 111	J

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6681 Southpoint Pkwy Jacksonville, FL 32216
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906010 **Date Collected:** 07/24/2024 14:45 **Matrix:** Soil
Sample ID: SB-15-8-9 **Date Received:** 07/26/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.1U	mg/Kg	0.56	1.1	2.2	1	08/01/2024 11:43	08/03/2024 01:59	J
Barium	**150**	mg/Kg	5.6	11	22	10	08/01/2024 11:43	08/07/2024 16:55	J
Cadmium	**1.2**	mg/Kg	0.056	0.11	0.22	1	08/01/2024 11:43	08/03/2024 01:59	J
Copper	**360**	mg/Kg	5.6	11	22	10	08/01/2024 11:43	08/07/2024 16:55	J
Nickel	**140**	mg/Kg	0.56	1.1	2.2	1	08/01/2024 11:43	08/03/2024 01:59	J
Silver	0.45U	mg/Kg	0.22	0.45	0.90	1	08/01/2024 11:43	08/03/2024 01:59	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.11U	mg/Kg	0.056	0.11	0.22	10	08/06/2024 07:15	08/07/2024 09:27	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.49**	mg/Kg	0.0014	0.0029	0.0057	1	08/12/2024 10:19	08/12/2024 13:47	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.035U	mg/Kg	0.017	0.035	0.069	20	07/30/2024 10:00	07/31/2024 20:06	J
4,4`-DDE	0.035U	mg/Kg	0.017	0.035	0.069	20	07/30/2024 10:00	07/31/2024 20:06	J
4,4`-DDT	0.35U	mg/Kg	0.17	0.35	0.69	100	07/30/2024 10:00	08/04/2024 20:24	J
Aldrin	0.035U	mg/Kg	0.017	0.035	0.069	20	07/30/2024 10:00	07/31/2024 20:06	J
Chlordane (technical)	0.62U	mg/Kg	0.31	0.62	1.2	20	07/30/2024 10:00	07/31/2024 20:06	J
Dieldrin	0.035U	mg/Kg	0.017	0.035	0.069	20	07/30/2024 10:00	07/31/2024 20:06	J
Endosulfan I	0.035U	mg/Kg	0.017	0.035	0.069	20	07/30/2024 10:00	07/31/2024 20:06	J
Endosulfan II	0.035U	mg/Kg	0.017	0.035	0.069	20	07/30/2024 10:00	07/31/2024 20:06	J
Endosulfan Sulfate	0.035U	mg/Kg	0.017	0.035	0.069	20	07/30/2024 10:00	07/31/2024 20:06	J
Endrin	0.069U	mg/Kg	0.035	0.069	0.14	20	07/30/2024 10:00	07/31/2024 20:06	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906010 **Date Collected:** 07/24/2024 14:45 **Matrix:** Soil
Sample ID: SB-15-8-9 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.035U	mg/Kg	0.017	0.035	0.069	20	07/30/2024 10:00	07/31/2024 20:06	J
Endrin ketone	0.035U	mg/Kg	0.017	0.035	0.069	20	07/30/2024 10:00	07/31/2024 20:06	J
Heptachlor	0.035U	mg/Kg	0.017	0.035	0.069	20	07/30/2024 10:00	07/31/2024 20:06	J
Heptachlor Epoxide	0.035U	mg/Kg	0.017	0.035	0.069	20	07/30/2024 10:00	07/31/2024 20:06	J
Methoxychlor	0.17U	mg/Kg	0.087	0.17	0.35	100	07/30/2024 10:00	08/04/2024 20:24	J
Toxaphene	5.2U	mg/Kg	2.6	5.2	10	100	07/30/2024 10:00	08/04/2024 20:24	J
alpha-BHC	0.035U	mg/Kg	0.017	0.035	0.069	20	07/30/2024 10:00	07/31/2024 20:06	J
alpha-Chlordane	0.069U	mg/Kg	0.052	0.069	0.14	20	07/30/2024 10:00	07/31/2024 20:06	J
beta-BHC	0.035U	mg/Kg	0.017	0.035	0.069	20	07/30/2024 10:00	07/31/2024 20:06	J
delta-BHC	0.035U	mg/Kg	0.017	0.035	0.069	20	07/30/2024 10:00	07/31/2024 20:06	J
gamma-BHC (Lindane)	0.035U	mg/Kg	0.017	0.035	0.069	20	07/30/2024 10:00	07/31/2024 20:06	J
gamma-Chlordane	0.069U	mg/Kg	0.035	0.069	0.14	20	07/30/2024 10:00	07/31/2024 20:06	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.052U	mg/Kg	0.026	0.052	0.10	1	07/30/2024 10:00	08/01/2024 01:15	J
Aroclor 1221 (PCB-1221)	0.052U	mg/Kg	0.026	0.052	0.10	1	07/30/2024 10:00	08/01/2024 01:15	J
Aroclor 1232 (PCB-1232)	0.052U	mg/Kg	0.026	0.052	0.10	1	07/30/2024 10:00	08/01/2024 01:15	J
Aroclor 1242 (PCB-1242)	**0.20**	mg/Kg	0.026	0.052	0.10	1	07/30/2024 10:00	08/05/2024 22:14	J
Aroclor 1248 (PCB-1248)	0.052U	mg/Kg	0.026	0.052	0.10	1	07/30/2024 10:00	08/01/2024 01:15	J
Aroclor 1254 (PCB-1254)	0.052U	mg/Kg	0.026	0.052	0.10	1	07/30/2024 10:00	08/01/2024 01:15	J
Aroclor 1260 (PCB-1260)	0.052U	mg/Kg	0.026	0.052	0.10	1	07/30/2024 10:00	08/01/2024 01:15	J
Aroclor 1262 (PCB-1262)	0.052U	mg/Kg	0.026	0.052	0.10	1	07/30/2024 10:00	08/01/2024 01:15	J
Aroclor 1268 (PCB-1268)	0.052U	mg/Kg	0.026	0.052	0.10	1	07/30/2024 10:00	08/01/2024 01:15	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J
Azinphos-methyl	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J
Chlorpyrifos	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J
Chlorpyrifos-methyl	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906010 **Date Collected:** 07/24/2024 14:45 **Matrix:** Soil
Sample ID: SB-15-8-9 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J
Demeton-O	94U	ug/Kg	47	94	190	5	07/30/2024 10:00	08/02/2024 02:27	J
Demeton-S	94U	ug/Kg	47	94	190	5	07/30/2024 10:00	08/02/2024 02:27	J
Diazinon	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J
Dimethoate	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J
Disulfoton	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J
Ethion	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J
Ethoprop	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J
Famphur	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J
Fensulfothion	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J
Fonophos	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J
Malathion	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J
Merphos	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J
Methyl Parathion	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J
Mevinphos	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J
Parathion (Ethyl)	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J
Phorate	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J
Phosmet	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J
Ronnel	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J
Simazine	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J
Sulfotep	190U	ug/Kg	94	190	380	5	07/30/2024 10:00	08/02/2024 02:27	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
2,4,6-Trichlorophenol	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
2,4-Dichlorophenol	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
2,4-Dimethylphenol	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
2,4-Dinitrophenol	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906010 **Date Collected:** 07/24/2024 14:45 **Matrix:** Soil
Sample ID: SB-15-8-9 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
2,6-Dinitrotoluene (2,6-DNT)	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
2-Chloronaphthalene	16U	mg/Kg	7.9	16	32	20	07/30/2024 10:00	08/07/2024 19:59	J
2-Chlorophenol	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
2-Methyl-4,6-dinitrophenol	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
2-Methylnaphthalene	0.47U	mg/Kg	0.24	0.47	0.95	20	07/30/2024 10:00	08/07/2024 19:59	J
2-Methylphenol (o-Cresol)	16U	mg/Kg	7.9	16	32	20	07/30/2024 10:00	08/07/2024 19:59	J
2-Nitroaniline	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
2-Nitrophenol	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
3+4-Methylphenol(mp-Cresol)	16U	mg/Kg	7.9	16	32	20	07/30/2024 10:00	08/07/2024 19:59	J
3,3`-Dichlorobenzidine	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
3-Nitroaniline	16U	mg/Kg	7.9	16	32	20	07/30/2024 10:00	08/07/2024 19:59	J
4-Bromophenyl Phenyl Ether	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
4-Chloro-3-methylphenol	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
4-Chloroaniline	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
4-Chlorophenyl Phenyl Ether	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
4-Nitroaniline	16U	mg/Kg	7.9	16	32	20	07/30/2024 10:00	08/07/2024 19:59	J
4-Nitrophenol	16U	mg/Kg	7.9	16	32	20	07/30/2024 10:00	08/07/2024 19:59	J
Acenaphthene	0.47U	mg/Kg	0.24	0.47	0.95	20	07/30/2024 10:00	08/07/2024 19:59	J
Acenaphthylene	0.47U	mg/Kg	0.24	0.47	0.95	20	07/30/2024 10:00	08/07/2024 19:59	J
Acetophenone	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
Anthracene	0.47U	mg/Kg	0.24	0.47	0.95	20	07/30/2024 10:00	08/07/2024 19:59	J
Atrazine	16U	mg/Kg	7.9	16	32	20	07/30/2024 10:00	08/07/2024 19:59	J
Benzaldehyde	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
Benzo[a]anthracene	0.47U	mg/Kg	0.24	0.47	0.95	20	07/30/2024 10:00	08/07/2024 19:59	J
Benzo[a]pyrene	0.76U	mg/Kg	0.38	0.76	1.5	20	07/30/2024 10:00	08/07/2024 19:59	J
Benzo[b]fluoranthene	0.47U	mg/Kg	0.24	0.47	0.95	20	07/30/2024 10:00	08/07/2024 19:59	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906010 **Date Collected:** 07/24/2024 14:45 **Matrix:** Soil
Sample ID: SB-15-8-9 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.47U	mg/Kg	0.24	0.47	0.95	20	07/30/2024 10:00	08/07/2024 19:59	J
Benzo[k]fluoranthene	0.47U	mg/Kg	0.24	0.47	0.95	20	07/30/2024 10:00	08/07/2024 19:59	J
Biphenyl	16U	mg/Kg	7.9	16	32	20	07/30/2024 10:00	08/07/2024 19:59	J
Butyl benzyl phthalate	8.4J	mg/Kg	7.9	16	32	20	07/30/2024 10:00	08/07/2024 19:59	J
Caprolactam	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
Carbazole	0.47U	mg/Kg	0.24	0.47	0.95	20	07/30/2024 10:00	08/07/2024 19:59	J
Chrysene	0.47U	mg/Kg	0.24	0.47	0.95	20	07/30/2024 10:00	08/07/2024 19:59	J
Di-n-Butyl Phthalate	16U	mg/Kg	7.9	16	32	20	07/30/2024 10:00	08/07/2024 19:59	J
Di-n-octyl Phthalate	16U	mg/Kg	7.9	16	32	20	07/30/2024 10:00	08/07/2024 19:59	J
Dibenzo[a,h]anthracene	0.47U	mg/Kg	0.24	0.47	0.95	20	07/30/2024 10:00	08/07/2024 19:59	J
Dibenzofuran	0.47U	mg/Kg	0.24	0.47	0.95	20	07/30/2024 10:00	08/07/2024 19:59	J
Diethyl phthalate	16U	mg/Kg	7.9	16	32	20	07/30/2024 10:00	08/07/2024 19:59	J
Dimethyl phthalate	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
Fluoranthene	0.47U	mg/Kg	0.24	0.47	0.95	20	07/30/2024 10:00	08/07/2024 19:59	J
Fluorene	0.47U	mg/Kg	0.24	0.47	0.95	20	07/30/2024 10:00	08/07/2024 19:59	J
Hexachlorobenzene	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
Hexachlorobutadiene	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
Hexachlorocyclopentadiene	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
Hexachloroethane	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
Indeno(1,2,3-cd)pyrene	0.47U	mg/Kg	0.24	0.47	0.95	20	07/30/2024 10:00	08/07/2024 19:59	J
Isophorone	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
N-Nitrosodi-n-propylamine	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
N-Nitrosodiphenylamine	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
Naphthalene	0.47U	mg/Kg	0.24	0.47	0.95	20	07/30/2024 10:00	08/07/2024 19:59	J
Nitrobenzene	16U	mg/Kg	7.9	16	32	20	07/30/2024 10:00	08/07/2024 19:59	J
Pentachlorophenol	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
Phenanthrene	0.47U	mg/Kg	0.24	0.47	0.95	20	07/30/2024 10:00	08/07/2024 19:59	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906010 **Date Collected:** 07/24/2024 14:45 **Matrix:** Soil
Sample ID: SB-15-8-9 **Date Received:** 07/26/2024 09:00

Parameter									
Phenol	16U	mg/Kg	7.9	16	32	20	07/30/2024 10:00	08/07/2024 19:59	J
Pyrene	0.47U	mg/Kg	0.24	0.47	0.95	20	07/30/2024 10:00	08/07/2024 19:59	J
bis(2-Chloroethyl)Ether	7.9U	mg/Kg	3.9	7.9	16	20	07/30/2024 10:00	08/07/2024 19:59	J
bis(2-Ethylhexyl) phthalate	**73**	mg/Kg	7.9	16	32	20	07/30/2024 10:00	08/07/2024 19:59	J
(SM 2540G)									
Percent Moisture	**14**	%		0.0010	0.0010	1	07/31/2024 16:01	07/31/2024 16:01	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
1,1,2,2-Tetrachloroethane	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
1,1,2-Trichloroethane	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
1,1,2-Trichlorotrifluoroethane	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
1,1-Dichloroethane	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
1,1-Dichloroethylene	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
1,2,4-Trichlorobenzene	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
1,2-Dibromo-3-Chloropropane	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
1,2-Dichlorobenzene	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
1,2-Dichloroethane	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
1,2-Dichloropropane	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
1,3-Dichlorobenzene	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
1,4-Dichlorobenzene	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
1,4-Dioxane	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
2-Butanone (MEK)	**0.0059**	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906010 **Date Collected:** 07/24/2024 14:45 **Matrix:** Soil
Sample ID: SB-15-8-9 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2-Hexanone	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
4-Methyl-2-pentanone (MIBK)	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Acetone	**0.094**	mg/Kg	0.0020	0.0039	0.0078	1	07/29/2024 21:02	07/30/2024 08:11	J
Benzene	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Bromodichloromethane	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Bromoform	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Bromomethane	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Carbon Disulfide	0.0036J	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Carbon Tetrachloride	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Chlorobenzene	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Chloroethane	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Chloroform	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Chloromethane	0.0039U	mg/Kg	0.0020	0.0039	0.0078	1	07/29/2024 21:02	07/30/2024 08:11	J
Cyclohexane	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Dibromochloromethane	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Dichlorodifluoromethane	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Ethylbenzene	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Ethylene Dibromide (EDB)	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Isopropylbenzene	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Methyl Acetate	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Methyl Cyclohexane	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Methyl tert-butyl Ether (MTBE)	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906010 **Date Collected:** 07/24/2024 14:45 **Matrix:** Soil
Sample ID: SB-15-8-9 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Methylene Chloride	0.0039U	mg/Kg	0.0020	0.0039	0.0078	1	07/29/2024 21:02	07/30/2024 08:11	J
Styrene	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Tetrachloroethylene (PCE)	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Toluene	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Trichloroethene	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Trichlorofluoromethane	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Vinyl Chloride	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
Xylene (Total)	0.0059U	mg/Kg	0.0029	0.0059	0.012	1	07/29/2024 21:02	07/30/2024 08:11	J
cis-1,2-Dichloroethylene	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
cis-1,3-Dichloropropene	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
trans-1,2-Dichloroethylene	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J
trans-1,3-Dichloropropylene	0.0020U	mg/Kg	0.00098	0.0020	0.0039	1	07/29/2024 21:02	07/30/2024 08:11	J

Analysis Results Comments

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

4,4`-DDE

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Aldrin

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Azinphos-methyl

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Chlorpyrifos

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Analysis Results Comments

Chlorpyrifos-methyl

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Demeton

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Demeton-O

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Dieldrin

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Dimethoate

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Disulfoton

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Endosulfan I

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Endosulfan II

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Endosulfan Sulfate

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Endrin

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Endrin Aldehyde

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Endrin ketone

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Ethion

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Ethoprop

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Analysis Results Comments

Famphur

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Fensulfothion

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Fonophos

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Malathion

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Merphos

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Methyl Parathion

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Parathion (Ethyl)

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Phosmet

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Ronnel

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Simazine

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Sulfotep

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Tributylphosphate

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

alpha-BHC

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

alpha-Chlordane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

delta-BHC

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Analysis Results Comments

gamma-Chlordane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	55.90	58.80	105	71 - 136	J
Toluene-d8 (S)	ug/Kg	55.90	56.10	100	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	55.90	62.20	111	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0743	0.0332	**45**	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1490	0.0708	48	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1690	0	**0**	39 - 132	J
Phenol-d6 (S)	ug/Kg	1690	0	**0**	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1690	0	**0**	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1690	0	**0**	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1690	0	**0**	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1690	0	**0**	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1690	0	**0**	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1690	0	**0**	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0743	0.0452	61	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1490	0.0897	60	42 - 129	J
Tributylphosphate (S)	ug/Kg	161	65.10	**41**	63 - 111	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906011 **Date Collected:** 07/24/2024 11:45 **Matrix:** Soil
Sample ID: SB-14-0-4 **Date Received:** 07/26/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.2J	mg/Kg	0.60	1.2	2.4	1	08/01/2024 11:43	08/03/2024 02:03	J
Barium	**150**	mg/Kg	6.0	12	24	10	08/01/2024 11:43	08/07/2024 17:05	J
Cadmium	**2.1**	mg/Kg	0.060	0.12	0.24	1	08/01/2024 11:43	08/03/2024 02:03	J
Copper	**90**	mg/Kg	0.60	1.2	2.4	1	08/01/2024 11:43	08/03/2024 02:03	J
Nickel	**15**	mg/Kg	0.60	1.2	2.4	1	08/01/2024 11:43	08/03/2024 02:03	J
Silver	0.71J	mg/Kg	0.24	0.48	0.96	1	08/01/2024 11:43	08/03/2024 02:03	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.12U	mg/Kg	0.060	0.12	0.24	10	08/06/2024 07:15	08/07/2024 09:30	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.61**	mg/Kg	0.0029	0.0057	0.011	2	08/12/2024 10:19	08/12/2024 14:47	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.0093U	mg/Kg	0.0047	0.0093	0.019	5	07/30/2024 10:00	07/31/2024 13:30	J
4,4`-DDE	0.0093U	mg/Kg	0.0047	0.0093	0.019	5	07/30/2024 10:00	07/31/2024 13:30	J
4,4`-DDT	0.019U	mg/Kg	0.0093	0.019	0.037	5	07/30/2024 10:00	07/31/2024 13:30	J
Aldrin	0.0093U	mg/Kg	0.0047	0.0093	0.019	5	07/30/2024 10:00	07/31/2024 13:30	J
Chlordane (technical)	0.17U	mg/Kg	0.084	0.17	0.34	5	07/30/2024 10:00	07/31/2024 13:30	J
Dieldrin	0.0093U	mg/Kg	0.0047	0.0093	0.019	5	07/30/2024 10:00	07/31/2024 13:30	J
Endosulfan I	0.0093U	mg/Kg	0.0047	0.0093	0.019	5	07/30/2024 10:00	07/31/2024 13:30	J
Endosulfan II	0.0093U	mg/Kg	0.0047	0.0093	0.019	5	07/30/2024 10:00	07/31/2024 13:30	J
Endosulfan Sulfate	0.0093U	mg/Kg	0.0047	0.0093	0.019	5	07/30/2024 10:00	07/31/2024 13:30	J
Endrin	0.019U	mg/Kg	0.0093	0.019	0.037	5	07/30/2024 10:00	07/31/2024 13:30	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906011 **Date Collected:** 07/24/2024 11:45 **Matrix:** Soil
Sample ID: SB-14-0-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.0093U	mg/Kg	0.0047	0.0093	0.019	5	07/30/2024 10:00	07/31/2024 13:30	J
Endrin ketone	0.0093U	mg/Kg	0.0047	0.0093	0.019	5	07/30/2024 10:00	07/31/2024 13:30	J
Heptachlor	0.0093U	mg/Kg	0.0047	0.0093	0.019	5	07/30/2024 10:00	07/31/2024 13:30	J
Heptachlor Epoxide	0.0093U	mg/Kg	0.0047	0.0093	0.019	5	07/30/2024 10:00	07/31/2024 13:30	J
Methoxychlor	0.0093U	mg/Kg	0.0047	0.0093	0.019	5	07/30/2024 10:00	07/31/2024 13:30	J
Toxaphene	0.28U	mg/Kg	0.14	0.28	0.56	5	07/30/2024 10:00	07/31/2024 13:30	J
alpha-BHC	0.0093U	mg/Kg	0.0047	0.0093	0.019	5	07/30/2024 10:00	07/31/2024 13:30	J
alpha-Chlordane	0.019U	mg/Kg	0.014	0.019	0.037	5	07/30/2024 10:00	07/31/2024 13:30	J
beta-BHC	0.0093U	mg/Kg	0.0047	0.0093	0.019	5	07/30/2024 10:00	07/31/2024 13:30	J
delta-BHC	0.0093U	mg/Kg	0.0047	0.0093	0.019	5	07/30/2024 10:00	07/31/2024 13:30	J
gamma-BHC (Lindane)	0.0093U	mg/Kg	0.0047	0.0093	0.019	5	07/30/2024 10:00	07/31/2024 13:30	J
gamma-Chlordane	0.019U	mg/Kg	0.0093	0.019	0.037	5	07/30/2024 10:00	07/31/2024 13:30	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.056U	mg/Kg	0.028	0.056	0.11	1	07/30/2024 10:00	07/31/2024 13:50	J
Aroclor 1221 (PCB-1221)	0.056U	mg/Kg	0.028	0.056	0.11	1	07/30/2024 10:00	07/31/2024 13:50	J
Aroclor 1232 (PCB-1232)	0.056U	mg/Kg	0.028	0.056	0.11	1	07/30/2024 10:00	07/31/2024 13:50	J
Aroclor 1242 (PCB-1242)	0.056U	mg/Kg	0.028	0.056	0.11	1	07/30/2024 10:00	07/31/2024 13:50	J
Aroclor 1248 (PCB-1248)	0.056U	mg/Kg	0.028	0.056	0.11	1	07/30/2024 10:00	07/31/2024 13:50	J
Aroclor 1254 (PCB-1254)	0.056U	mg/Kg	0.028	0.056	0.11	1	07/30/2024 10:00	07/31/2024 13:50	J
Aroclor 1260 (PCB-1260)	0.056U	mg/Kg	0.028	0.056	0.11	1	07/30/2024 10:00	07/31/2024 13:50	J
Aroclor 1262 (PCB-1262)	0.056U	mg/Kg	0.028	0.056	0.11	1	07/30/2024 10:00	07/31/2024 13:50	J
Aroclor 1268 (PCB-1268)	0.056U	mg/Kg	0.028	0.056	0.11	1	07/30/2024 10:00	07/31/2024 13:50	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J
Azinphos-methyl	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J
Chlorpyrifos	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J
Chlorpyrifos-methyl	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906011 **Date Collected:** 07/24/2024 11:45 **Matrix:** Soil
Sample ID: SB-14-0-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J
Demeton-O	19U	ug/Kg	9.4	19	38	1	07/30/2024 10:00	08/02/2024 00:25	J
Demeton-S	19U	ug/Kg	9.4	19	38	1	07/30/2024 10:00	08/02/2024 00:25	J
Diazinon	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J
Dimethoate	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J
Disulfoton	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J
Ethion	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J
Ethoprop	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J
Famphur	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J
Fensulfothion	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J
Fonophos	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J
Malathion	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J
Merphos	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J
Methyl Parathion	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J
Mevinphos	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J
Parathion (Ethyl)	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J
Phorate	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J
Phosmet	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J
Ronnel	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J
Simazine	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J
Sulfotep	38U	ug/Kg	19	38	75	1	07/30/2024 10:00	08/02/2024 00:25	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
2,4,6-Trichlorophenol	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
2,4-Dichlorophenol	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
2,4-Dimethylphenol	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
2,4-Dinitrophenol	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906011 **Date Collected:** 07/24/2024 11:45 **Matrix:** Soil
Sample ID: SB-14-0-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
2,6-Dinitrotoluene (2,6-DNT)	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
2-Chloronaphthalene	1.6U	mg/Kg	0.78	1.6	3.1	4	07/30/2024 10:00	08/07/2024 18:38	J
2-Chlorophenol	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
2-Methyl-4,6-dinitrophenol	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
2-Methylnaphthalene	0.047U	mg/Kg	0.023	0.047	0.093	4	07/30/2024 10:00	08/07/2024 18:38	J
2-Methylphenol (o-Cresol)	1.6U	mg/Kg	0.78	1.6	3.1	4	07/30/2024 10:00	08/07/2024 18:38	J
2-Nitroaniline	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
2-Nitrophenol	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
3+4-Methylphenol(mp-Cresol)	1.6U	mg/Kg	0.78	1.6	3.1	4	07/30/2024 10:00	08/07/2024 18:38	J
3,3`-Dichlorobenzidine	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
3-Nitroaniline	1.6U	mg/Kg	0.78	1.6	3.1	4	07/30/2024 10:00	08/07/2024 18:38	J
4-Bromophenyl Phenyl Ether	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
4-Chloro-3-methylphenol	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
4-Chloroaniline	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
4-Chlorophenyl Phenyl Ether	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
4-Nitroaniline	1.6U	mg/Kg	0.78	1.6	3.1	4	07/30/2024 10:00	08/07/2024 18:38	J
4-Nitrophenol	1.6U	mg/Kg	0.78	1.6	3.1	4	07/30/2024 10:00	08/07/2024 18:38	J
Acenaphthene	0.047U	mg/Kg	0.023	0.047	0.093	4	07/30/2024 10:00	08/07/2024 18:38	J
Acenaphthylene	0.047U	mg/Kg	0.023	0.047	0.093	4	07/30/2024 10:00	08/07/2024 18:38	J
Acetophenone	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
Anthracene	0.047U	mg/Kg	0.023	0.047	0.093	4	07/30/2024 10:00	08/07/2024 18:38	J
Atrazine	1.6U	mg/Kg	0.78	1.6	3.1	4	07/30/2024 10:00	08/07/2024 18:38	J
Benzaldehyde	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
Benzo[a]anthracene	0.047U	mg/Kg	0.023	0.047	0.093	4	07/30/2024 10:00	08/07/2024 18:38	J
Benzo[a]pyrene	0.075U	mg/Kg	0.037	0.075	0.15	4	07/30/2024 10:00	08/07/2024 18:38	J
Benzo[b]fluoranthene	0.030J	mg/Kg	0.023	0.047	0.093	4	07/30/2024 10:00	08/07/2024 18:38	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906011 **Date Collected:** 07/24/2024 11:45 **Matrix:** Soil
Sample ID: SB-14-0-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.047U	mg/Kg	0.023	0.047	0.093	4	07/30/2024 10:00	08/07/2024 18:38	J
Benzo[k]fluoranthene	0.047U	mg/Kg	0.023	0.047	0.093	4	07/30/2024 10:00	08/07/2024 18:38	J
Biphenyl	1.6U	mg/Kg	0.78	1.6	3.1	4	07/30/2024 10:00	08/07/2024 18:38	J
Butyl benzyl phthalate	1.6U	mg/Kg	0.78	1.6	3.1	4	07/30/2024 10:00	08/07/2024 18:38	J
Caprolactam	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
Carbazole	0.047U	mg/Kg	0.023	0.047	0.093	4	07/30/2024 10:00	08/07/2024 18:38	J
Chrysene	0.047U	mg/Kg	0.023	0.047	0.093	4	07/30/2024 10:00	08/07/2024 18:38	J
Di-n-Butyl Phthalate	1.6U	mg/Kg	0.78	1.6	3.1	4	07/30/2024 10:00	08/07/2024 18:38	J
Di-n-octyl Phthalate	1.6U	mg/Kg	0.78	1.6	3.1	4	07/30/2024 10:00	08/07/2024 18:38	J
Dibenzo[a,h]anthracene	0.047U	mg/Kg	0.023	0.047	0.093	4	07/30/2024 10:00	08/07/2024 18:38	J
Dibenzofuran	0.047U	mg/Kg	0.023	0.047	0.093	4	07/30/2024 10:00	08/07/2024 18:38	J
Diethyl phthalate	1.6U	mg/Kg	0.78	1.6	3.1	4	07/30/2024 10:00	08/07/2024 18:38	J
Dimethyl phthalate	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
Fluoranthene	0.047U	mg/Kg	0.023	0.047	0.093	4	07/30/2024 10:00	08/07/2024 18:38	J
Fluorene	0.047U	mg/Kg	0.023	0.047	0.093	4	07/30/2024 10:00	08/07/2024 18:38	J
Hexachlorobenzene	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
Hexachlorobutadiene	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
Hexachlorocyclopentadiene	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
Hexachloroethane	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
Indeno(1,2,3-cd)pyrene	0.047U	mg/Kg	0.023	0.047	0.093	4	07/30/2024 10:00	08/07/2024 18:38	J
Isophorone	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
N-Nitrosodi-n-propylamine	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
N-Nitrosodiphenylamine	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
Naphthalene	0.047U	mg/Kg	0.023	0.047	0.093	4	07/30/2024 10:00	08/07/2024 18:38	J
Nitrobenzene	1.6U	mg/Kg	0.78	1.6	3.1	4	07/30/2024 10:00	08/07/2024 18:38	J
Pentachlorophenol	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
Phenanthrene	0.047U	mg/Kg	0.023	0.047	0.093	4	07/30/2024 10:00	08/07/2024 18:38	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906011 **Date Collected:** 07/24/2024 11:45 **Matrix:** Soil
Sample ID: SB-14-0-4 **Date Received:** 07/26/2024 09:00

Parameter									
Phenol	1.6U	mg/Kg	0.78	1.6	3.1	4	07/30/2024 10:00	08/07/2024 18:38	J
Pyrene	0.026J	mg/Kg	0.023	0.047	0.093	4	07/30/2024 10:00	08/07/2024 18:38	J
bis(2-Chloroethyl)Ether	0.78U	mg/Kg	0.39	0.78	1.6	4	07/30/2024 10:00	08/07/2024 18:38	J
bis(2-Ethylhexyl) phthalate	1.6U	mg/Kg	0.78	1.6	3.1	4	07/30/2024 10:00	08/07/2024 18:38	J
(SM 2540G)									
Percent Moisture	**14**	%		0.0010	0.0010	1	07/31/2024 16:01	07/31/2024 16:01	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
1,1,2,2-Tetrachloroethane	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
1,1,2-Trichloroethane	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
1,1,2-Trichlorotrifluoroethane	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
1,1-Dichloroethane	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
1,1-Dichloroethylene	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
1,2,4-Trichlorobenzene	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
1,2-Dibromo-3-Chloropropane	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
1,2-Dichlorobenzene	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
1,2-Dichloroethane	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
1,2-Dichloropropane	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
1,3-Dichlorobenzene	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
1,4-Dichlorobenzene	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
1,4-Dioxane	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
2-Butanone (MEK)	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
2-Hexanone	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
4-Methyl-2-pentanone (MIBK)	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Acetone	**0.029**	mg/Kg	0.0024	0.0048	0.0097	1	07/29/2024 21:02	07/30/2024 03:02	J

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906011 **Date Collected:** 07/24/2024 11:45 **Matrix:** Soil
Sample ID: SB-14-0-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Bromodichloromethane	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Bromoform	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Bromomethane	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Carbon Disulfide	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Carbon Tetrachloride	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Chlorobenzene	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Chloroethane	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Chloroform	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Chloromethane	0.0048U	mg/Kg	0.0024	0.0048	0.0097	1	07/29/2024 21:02	07/30/2024 03:02	J
Cyclohexane	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Dibromochloromethane	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Dichlorodifluoromethane	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Ethylbenzene	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Ethylene Dibromide (EDB)	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Isopropylbenzene	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Methyl Acetate	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Methyl Cyclohexane	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Methyl tert-butyl Ether (MTBE)	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Methylene Chloride	0.0048U	mg/Kg	0.0024	0.0048	0.0097	1	07/29/2024 21:02	07/30/2024 03:02	J
Styrene	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Tetrachloroethylene (PCE)	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Toluene	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Trichloroethene	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Trichlorofluoromethane	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Vinyl Chloride	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
Xylene (Total)	0.0073U	mg/Kg	0.0036	0.0073	0.015	1	07/29/2024 21:02	07/30/2024 03:02	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Lab ID: J2410906011 **Date Collected:** 07/24/2024 11:45 **Matrix:** Soil
Sample ID: SB-14-0-4 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
cis-1,3-Dichloropropene	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
trans-1,2-Dichloroethylene	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J
trans-1,3-Dichloropropylene	0.0024U	mg/Kg	0.0012	0.0024	0.0048	1	07/29/2024 21:02	07/30/2024 03:02	J

Analysis Results Comments

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tributylphosphate

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	69.40	74.20	107	71 - 136	J
Toluene-d8 (S)	ug/Kg	69.40	68.40	98	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	69.40	73.80	106	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0804	0.1190	147	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1610	0.2020	126	44 - 130	J
Fluoranthene-d10 (S)	ug/Kg	1680	1340	80	50 - 150	J
2,4,6-Tribromophenol (S)	ug/Kg	1680	1020	61	39 - 132	J
Phenol-d6 (S)	ug/Kg	1680	863	51	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1680	980	58	44 - 115	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorophenol (S)	ug/Kg	1680	871	52	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1680	840	50	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1680	973	58	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1680	1200	71	54 - 127	J
Decachlorobiphenyl (S)	mg/Kg	0.0804	0.1490	**185**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1610	0.2530	**157**	42 - 129	J
Tributylphosphate (S)	ug/Kg	163	288	**177**	63 - 111	J

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Results

QC Batch: CVAj/2536 **Analysis Method:** DoD SW-846 7471A
Preparation Method: SW-846 7471A
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Method Blank(5429578)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Mercury	0.0025U	mg/Kg	0.0012	0.0025	0.0050	J

Lab Control Sample (5429579)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Mercury	mg/Kg	0.10	0.1	103	80 - 124	J

Matrix Spike (5429580); Matrix Spike Duplicate (5429581); Original (J2410906001); Parent Lab Sample (J2410906001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Mercury	mg/Kg	0.10	0.19	116	80 - 124	0.17	96	13	20	J

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Results

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: GCSj/6714 **Analysis Method:** DoD SW-846 8082A
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Method Blank(5413811)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Aroclor 1016 (PCB-1016)	0.048U	mg/Kg	0.024	0.048	0.095	J
Aroclor 1221 (PCB-1221)	0.048U	mg/Kg	0.024	0.048	0.095	J
Aroclor 1232 (PCB-1232)	0.048U	mg/Kg	0.024	0.048	0.095	J
Aroclor 1242 (PCB-1242)	0.048U	mg/Kg	0.024	0.048	0.095	J
Aroclor 1248 (PCB-1248)	0.048U	mg/Kg	0.024	0.048	0.095	J
Aroclor 1254 (PCB-1254)	0.048U	mg/Kg	0.024	0.048	0.095	J
Aroclor 1260 (PCB-1260)	0.048U	mg/Kg	0.024	0.048	0.095	J
Aroclor 1262 (PCB-1262)	0.048U	mg/Kg	0.024	0.048	0.095	J
Aroclor 1268 (PCB-1268)	0.048U	mg/Kg	0.024	0.048	0.095	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0794	0.0818	103	61 - 147	J
Tetrachloro-m-xylene (S)	mg/L	0.1590	0.1420	90	44 - 130	J

Lab Control Sample (5413812)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Aroclor 1016 (PCB-1016)	mg/Kg	0.15	0.15	99	47 - 134	J
Aroclor 1260 (PCB-1260)	mg/Kg	0.15	0.15	98	53 - 140	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0773	0.0863	112	61 - 147	J
Tetrachloro-m-xylene (S)	mg/L	0.1550	0.1460	95	44 - 130	J

Matrix Spike (5413813); Matrix Spike Duplicate (5413814); Original (J2410906010); Parent Lab Sample (J2410906010)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Aroclor 1016 (PCB-1016)	mg/Kg	0.16	0.094	58	47 - 134	0.095	61	1.10	30	J
Aroclor 1260 (PCB-1260)	mg/Kg	0.16	0.093	58	53 - 140	0.084	54	11	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0812	0.0429	**53**	61 - 147	0.0430	55	0.40		J
Tetrachloro-m-xylene (S)	mg/L	0.1620	0.0889	55	44 - 130	0.0886	57	0.40		J

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Results

QC Batch: GCSj/6717 **Analysis Method:** DOD SW-846 8081B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Method Blank(5416397)

Parameter	Results	Units	DL	LOD	LOQ	Lab
alpha-BHC	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
gamma-BHC (Lindane)	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
beta-BHC	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
delta-BHC	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
Heptachlor	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
Aldrin	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
Heptachlor Epoxide	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
gamma-Chlordane	0.0032U	mg/Kg	0.0016	0.0032	0.0063	J
alpha-Chlordane	0.0032U	mg/Kg	0.0024	0.0032	0.0063	J
Endosulfan I	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
4,4`-DDE	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
Dieldrin	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
Endrin	0.0032U	mg/Kg	0.0016	0.0032	0.0063	J
4,4`-DDD	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
Endosulfan II	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
Endrin Aldehyde	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
4,4`-DDT	0.0032U	mg/Kg	0.0016	0.0032	0.0063	J
Endosulfan Sulfate	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
Methoxychlor	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
Endrin ketone	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
Chlordane (technical)	0.029U	mg/Kg	0.014	0.029	0.057	J
Toxaphene	0.048U	mg/Kg	0.024	0.048	0.095	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0794	0.0839	106	60 - 130	J
Tetrachloro-m-xylene (S)	mg/L	0.1590	0.1420	90	42 - 129	J

Lab Control Sample (5416398)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
alpha-BHC	mg/Kg	0.0150	0.02	131	45 - 137	J
gamma-BHC (Lindane)	mg/Kg	0.0150	0.02	130	49 - 135	J
beta-BHC	mg/Kg	0.0150	0.019	125	50 - 136	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: GCSj/6717 **Analysis Method:** DOD SW-846 8081B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
delta-BHC	mg/Kg	0.0150	0.02	132	47 - 139	J
Heptachlor	mg/Kg	0.0150	0.019	120	47 - 136	J
Aldrin	mg/Kg	0.0150	0.019	120	45 - 136	J
Heptachlor Epoxide	mg/Kg	0.0150	0.017	113	52 - 136	J
gamma-Chlordane	mg/Kg	0.0150	0.017	111	53 - 135	J
alpha-Chlordane	mg/Kg	0.0150	0.019	124	54 - 133	J
Endosulfan I	mg/Kg	0.0150	0.018	115	53 - 132	J
4,4`-DDE	mg/Kg	0.0150	0.019	126	56 - 134	J
Dieldrin	mg/Kg	0.0150	0.021	136	56 - 136	J
Endrin	mg/Kg	0.0150	0.02	131	57 - 140	J
4,4`-DDD	mg/Kg	0.0150	0.02	132	56 - 139	J
Endosulfan II	mg/Kg	0.0150	0.019	123	53 - 134	J
Endrin Aldehyde	mg/Kg	0.0150	0.018	113	35 - 137	J
4,4`-DDT	mg/Kg	0.0150	0.019	120	50 - 141	J
Endosulfan Sulfate	mg/Kg	0.0150	0.02	130	55 - 136	J
Methoxychlor	mg/Kg	0.0150	0.017	109	52 - 143	J
Endrin ketone	mg/Kg	0.0150	0.02	129	55 - 136	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0773	0.0996	129	60 - 130	J
Tetrachloro-m-xylene (S)	mg/L	0.1550	0.19	123	42 - 129	J

Method Blank(5416397)

Parameter	Results	Units	DL	LOD	LOQ	Lab
alpha-BHC	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
gamma-BHC (Lindane)	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
beta-BHC	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
delta-BHC	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
Heptachlor	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
Aldrin	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
Heptachlor Epoxide	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
gamma-Chlordane	0.0032U	mg/Kg	0.0016	0.0032	0.0063	J
alpha-Chlordane	0.0032U	mg/Kg	0.0024	0.0032	0.0063	J
Endosulfan I	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: GCSj/6717 **Analysis Method:** DOD SW-846 8081B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Parameter	Results	Units	DL	LOD	LOQ	Lab
4,4`-DDE	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
Dieldrin	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
Endrin	0.0032U	mg/Kg	0.0016	0.0032	0.0063	J
4,4`-DDD	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
Endosulfan II	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
Endrin Aldehyde	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
4,4`-DDT	0.0032U	mg/Kg	0.0016	0.0032	0.0063	J
Endosulfan Sulfate	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
Methoxychlor	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
Endrin ketone	0.0016U	mg/Kg	0.00079	0.0016	0.0032	J
Chlordane (technical)	0.029U	mg/Kg	0.014	0.029	0.057	J
Toxaphene	0.048U	mg/Kg	0.024	0.048	0.095	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0794	0.0839	106	60 - 130	J
Tetrachloro-m-xylene (S)	mg/L	0.1590	0.1420	90	42 - 129	J

Lab Control Sample (5416398)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
alpha-BHC	mg/Kg	0.0150	0.02	131	45 - 137	J
gamma-BHC (Lindane)	mg/Kg	0.0150	0.02	130	49 - 135	J
beta-BHC	mg/Kg	0.0150	0.019	125	50 - 136	J
delta-BHC	mg/Kg	0.0150	0.02	132	47 - 139	J
Heptachlor	mg/Kg	0.0150	0.019	120	47 - 136	J
Aldrin	mg/Kg	0.0150	0.019	120	45 - 136	J
Heptachlor Epoxide	mg/Kg	0.0150	0.017	113	52 - 136	J
gamma-Chlordane	mg/Kg	0.0150	0.017	111	53 - 135	J
alpha-Chlordane	mg/Kg	0.0150	0.019	124	54 - 133	J
Endosulfan I	mg/Kg	0.0150	0.018	115	53 - 132	J
4,4`-DDE	mg/Kg	0.0150	0.019	126	56 - 134	J
Dieldrin	mg/Kg	0.0150	0.021	136	56 - 136	J
Endrin	mg/Kg	0.0150	0.02	131	57 - 140	J
4,4`-DDD	mg/Kg	0.0150	0.02	132	56 - 139	J
Endosulfan II	mg/Kg	0.0150	0.019	123	53 - 134	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: GCSj/6717 **Analysis Method:** DOD SW-846 8081B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Endrin Aldehyde	mg/Kg	0.0150	0.018	113	35 - 137	J
4,4`-DDT	mg/Kg	0.0150	0.019	120	50 - 141	J
Endosulfan Sulfate	mg/Kg	0.0150	0.02	130	55 - 136	J
Methoxychlor	mg/Kg	0.0150	0.017	109	52 - 143	J
Endrin ketone	mg/Kg	0.0150	0.02	129	55 - 136	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0773	0.0996	129	60 - 130	J
Tetrachloro-m-xylene (S)	mg/L	0.1550	0.19	123	42 - 129	J

Matrix Spike (5416399); Matrix Spike Duplicate (5416400); Original (J2410906010); Parent Lab Sample (J2410906010)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
alpha-BHC	mg/Kg	0.0160	0.0053	**34**	45 - 137	0.0061	**38**	14	30	J
gamma-BHC (Lindane)	mg/Kg	0.0160	0.009	58	49 - 135	0.0096	60	6.10	30	J
beta-BHC	mg/Kg	0.0160	0.012	80	50 - 136	0.012	72	7.80	30	J
delta-BHC	mg/Kg	0.0160	0.0031	**20**	47 - 139	0.0035	**22**	12	30	J
Heptachlor	mg/Kg	0.0160	0.0093	60	47 - 136	0.011	68	15	30	J
Aldrin	mg/Kg	0.0160	0.022	**140**	45 - 136	0.022	136	0.20	30	J
Heptachlor Epoxide	mg/Kg	0.0160	0.0087	56	52 - 136	0.0093	58	6.20	30	J
gamma-Chlordane	mg/Kg	0.0160	0.28	**1830**	53 - 135	0.0064	**40**	**191**	30	J
alpha-Chlordane	mg/Kg	0.0160	0.0084	54	54 - 133	0.0067	**42**	22	30	J
Endosulfan I	mg/Kg	0.0160	0.01	64	53 - 132	0.0074	**46**	30	30	J
4,4`-DDE	mg/Kg	0.0160	0.026	**170**	56 - 134	0.029	**184**	11	30	J
Dieldrin	mg/Kg	0.0160	0.0053	**34**	56 - 136	0.0067	**42**	24	30	J
Endrin	mg/Kg	0.0160	0.0087	**56**	57 - 140	0.0086	**54**	1	30	J
4,4`-DDD	mg/Kg	0.0160	0.012	78	56 - 139	0.011	68	11	30	J
Endosulfan II	mg/Kg	0.0160	0.0053	**34**	53 - 134	0.0048	**30**	9.80	30	J
Endrin Aldehyde	mg/Kg	0.0160	0.015	94	35 - 137	0.021	132	**36**	30	J
4,4`-DDT	mg/Kg	0.0160	0.016	100	50 - 141	0.017	108	10	30	J
Endosulfan Sulfate	mg/Kg	0.0160	0.0062	**40**	55 - 136	0.0067	**42**	7.60	30	J
Methoxychlor	mg/Kg	0.0160	0.015	96	52 - 143	0.018	110	16	30	J
Endrin ketone	mg/Kg	0.0160	0.005	**32**	55 - 136	0.0086	**54**	**54**	30	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: GCSj/6717 **Analysis Method:** DOD SW-846 8081B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0779	0.0692	89	60 - 130	0.0877	110	24		J
Tetrachloro-m-xylene (S)	mg/L	0.1560	0.1290	83	42 - 129	0.1480	92	13		J

QC Result Comments

Matrix Spike - 5416399 - 4,4`-DDE

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416399 - Aldrin

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416399 - Dieldrin

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416399 - Endosulfan II

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416399 - Endosulfan Sulfate

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416399 - Endrin

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416399 - Endrin ketone

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416399 - alpha-BHC

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416399 - delta-BHC

*|MS/MSD recovery and/or RPD is out of criteria

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5416399 - gamma-Chlordane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416400 - 4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5416400 - 4,4`-DDE

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416400 - Dieldrin

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Result Comments
Matrix Spike Duplicate - 5416400 - Endosulfan I
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5416400 - Endosulfan II
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5416400 - Endosulfan Sulfate
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5416400 - Endrin
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5416400 - Endrin Aldehyde
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5416400 - Endrin ketone
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5416400 - alpha-BHC
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5416400 - alpha-Chlordane
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5416400 - delta-BHC
*|MS/MSD recovery and/or RPD is out of criteria
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Matrix Spike Duplicate - 5416400 - gamma-Chlordane
*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Results

QC Batch: GCSj/6720 **Analysis Method:** DoD SW-846 8141B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Method Blank(5416692)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Mevinphos	32U	ug/Kg	16	32	63	J
Demeton	32U	ug/Kg	16	32	63	J
Ethoprop	32U	ug/Kg	16	32	63	J
Phorate	32U	ug/Kg	16	32	63	J
Diazinon	32U	ug/Kg	16	32	63	J
Disulfoton	32U	ug/Kg	16	32	63	J
Ronnel	32U	ug/Kg	16	32	63	J
Methyl Parathion	32U	ug/Kg	16	32	63	J
Chlorpyrifos	32U	ug/Kg	16	32	63	J
Merphos	32U	ug/Kg	16	32	63	J
Fensulfothion	32U	ug/Kg	16	32	63	J
Azinphos-methyl	32U	ug/Kg	16	32	63	J
Sulfotep	32U	ug/Kg	16	32	63	J
Dimethoate	32U	ug/Kg	16	32	63	J
Fonophos	32U	ug/Kg	16	32	63	J
Chlorpyrifos-methyl	32U	ug/Kg	16	32	63	J
Malathion	32U	ug/Kg	16	32	63	J
Parathion (Ethyl)	32U	ug/Kg	16	32	63	J
Ethion	32U	ug/Kg	16	32	63	J
Famphur	32U	ug/Kg	16	32	63	J
Phosmet	32U	ug/Kg	16	32	63	J
Atrazine	32U	ug/Kg	16	32	63	J
Simazine	32U	ug/Kg	16	32	63	J
Demeton-S	16U	ug/Kg	7.9	16	32	J
Demeton-O	16U	ug/Kg	7.9	16	32	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	mg/L	0.1590	0.17	107	63 - 111	J

Lab Control Sample (5416693)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Mevinphos	ug/Kg	79	57	72	56 - 150	J

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Fax: (904) 363-9354

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: GCSj/6720 **Analysis Method:** DoD SW-846 8141B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Demeton	ug/Kg	79	72	91	43 - 117	J
Ethoprop	ug/Kg	79	73	92	47 - 128	J
Phorate	ug/Kg	79	73	92	23 - 142	J
Diazinon	ug/Kg	79	62	78	42 - 134	J
Disulfoton	ug/Kg	79	66	82	28 - 145	J
Ronnel	ug/Kg	79	74	93	45 - 138	J
Methyl Parathion	ug/Kg	79	75	94	49 - 138	J
Chlorpyrifos	ug/Kg	79	75	95	47 - 140	J
Merphos	ug/Kg	79	85	107	33 - 180	J
Fensulfothion	ug/Kg	79	77	97	27 - 147	J
Azinphos-methyl	ug/Kg	79	77	97	38 - 156	J
Sulfotep	ug/Kg	79	72	91	52 - 126	J
Dimethoate	ug/Kg	79	50	63	16 - 139	J
Fonophos	ug/Kg	79	70	88	47 - 137	J
Chlorpyrifos-methyl	ug/Kg	79	73	92	55 - 130	J
Malathion	ug/Kg	79	76	95	49 - 138	J
Parathion (Ethyl)	ug/Kg	79	82	103	50 - 139	J
Ethion	ug/Kg	79	77	97	59 - 140	J
Famphur	ug/Kg	79	76	96	47 - 134	J
Phosmet	ug/Kg	79	74	93	63 - 146	J
Atrazine	ug/Kg	79	95	120	20 - 179	J
Simazine	ug/Kg	79	93	117	44 - 142	J
Demeton-S	ug/Kg	40	36	90	43 - 117	J
Demeton-O	ug/Kg	40	37	92	43 - 117	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	mg/L	0.1590	0.1480	93	63 - 111	J

Matrix Spike (5416694); Matrix Spike Duplicate (5416695); Original (J2410906010); Parent Lab Sample (J2410906010)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Mevinphos	ug/Kg	81	0	**0**	56 - 150	0	**0**	0	30	J
Demeton	ug/Kg	81	43	53	43 - 117	41	53	3.20	30	J
Ethoprop	ug/Kg	81	14	**17**	47 - 128	13	**17**	3.20	30	J
Phorate	ug/Kg	81	30	37	23 - 142	28	36	5.90	30	J

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Fax: (904) 363-9354

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: GCSj/6720 **Analysis Method:** DoD SW-846 8141B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Diazinon	ug/Kg	81	45	56	42 - 134	50	64	10	30	J
Disulfoton	ug/Kg	81	530	**661**	28 - 145	260	**332**	**69**	30	J
Ronnel	ug/Kg	81	15	**19**	45 - 138	16	**20**	2	30	J
Methyl Parathion	ug/Kg	81	17	**21**	49 - 138	17	**22**	1.50	30	J
Chlorpyrifos	ug/Kg	81	22	**27**	47 - 140	26	**33**	17	30	J
Merphos	ug/Kg	81	19	**23**	33 - 180	18	**23**	3.20	30	J
Fensulfothion	ug/Kg	81	10	**13**	27 - 147	11	**14**	4.20	30	J
Azinphos-methyl	ug/Kg	81	10	**13**	38 - 156	14	**18**	29	30	J
Sulfotep	ug/Kg	81	16	**20**	52 - 126	17	**22**	6.40	30	J
Dimethoate	ug/Kg	81	160	**199**	16 - 139	160	**210**	2.20	30	J
Fonophos	ug/Kg	81	930	**1150**	47 - 137	470	**598**	**66**	30	J
Chlorpyrifos-methyl	ug/Kg	81	17	**21**	55 - 130	16	**21**	3.20	30	J
Malathion	ug/Kg	81	31	**38**	49 - 138	30	**38**	3.20	30	J
Parathion (Ethyl)	ug/Kg	81	13	**16**	50 - 139	16	**20**	19	30	J
Ethion	ug/Kg	81	17	**21**	59 - 140	17	**22**	1.50	30	J
Famphur	ug/Kg	81	13	**16**	47 - 134	13	**17**	2.90	30	J
Phosmet	ug/Kg	81	12	**15**	63 - 146	12	**16**	3.30	30	J
Atrazine	ug/Kg	81	31	38	20 - 179	31	40	2	30	J
Simazine	ug/Kg	81	31	**38**	44 - 142	31	**40**	2	30	J
Demeton-S	ug/Kg	40	43	106	43 - 117	41	106	3.20	30	J
Demeton-O	ug/Kg	40	19	48	43 - 117	16	**42**	16	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Tributylphosphate (S)	mg/L	0.1610	0.0371	**23**	63 - 111	0.0375	24	1.10		J

QC Result Comments

Matrix Spike - 5416694 - Azinphos-methyl

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416694 - Chlorpyrifos

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416694 - Chlorpyrifos-methyl

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Result Comments

Matrix Spike - 5416694 - Dimethoate

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416694 - Disulfoton

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416694 - Ethion

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416694 - Ethoprop

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416694 - Famphur

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416694 - Fensulfothion

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416694 - Fonophos

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416694 - Malathion

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416694 - Merphos

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416694 - Methyl Parathion

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416694 - Parathion (Ethyl)

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416694 - Phosmet

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416694 - Ronnel

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416694 - Simazine

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416694 - Sulfotep

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416695 - Azinphos-methyl

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416695 - Chlorpyrifos

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416695 - Chlorpyrifos-methyl

*|MS/MSD recovery and/or RPD is out of criteria

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Result Comments

Matrix Spike Duplicate - 5416695 - Demeton-O

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416695 - Dimethoate

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416695 - Disulfoton

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416695 - Ethion

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416695 - Ethoprop

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416695 - Famphur

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416695 - Fensulfothion

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416695 - Fonophos

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416695 - Malathion

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416695 - Merphos

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416695 - Methyl Parathion

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416695 - Parathion (Ethyl)

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416695 - Phosmet

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416695 - Ronnel

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416695 - Simazine

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416695 - Sulfotep

*|MS/MSD recovery and/or RPD is out of criteria

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Results

QC Batch: ICMj/4562 **Analysis Method:** DoD SW-846 6020A
Preparation Method: SW-846 3050B
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Method Blank(5418285)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Thallium	0.010U	mg/Kg	0.0050	0.010	0.020	J

Lab Control Sample (5418286)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Thallium	mg/Kg	0.10	0.1	100	83 - 118	J

Matrix Spike (5418287); Matrix Spike Duplicate (5418288); Original (J2410906001); Parent Lab Sample (J2410906001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Thallium	mg/Kg	0.0980	0.23	**235**	83 - 118	0.26	**276**	10	20	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Results

QC Batch: ICPj/3743 **Analysis Method:** DoD SW-846 6010C
Preparation Method: SW-846 3050B
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Method Blank(5414930)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Silver	0.40U	mg/Kg	0.20	0.40	0.80	J
Arsenic	1.0U	mg/Kg	0.50	1.0	2.0	J
Barium	1.0U	mg/Kg	0.50	1.0	2.0	J
Beryllium	0.20U	mg/Kg	0.10	0.20	0.40	J
Cadmium	0.10U	mg/Kg	0.050	0.10	0.20	J
Chromium	0.40U	mg/Kg	0.20	0.40	0.80	J
Copper	1.0U	mg/Kg	0.50	1.0	2.0	J
Nickel	1.0U	mg/Kg	0.50	1.0	2.0	J
Lead	1.0U	mg/Kg	0.50	1.0	2.0	J
Antimony	1.0U	mg/Kg	0.50	1.0	2.0	J
Selenium	2.0U	mg/Kg	1.0	2.0	4.0	J
Zinc	20U	mg/Kg	10	20	40	J

Lab Control Sample (5414931)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Silver	mg/Kg	4	4.2	104	82 - 112	J
Arsenic	mg/Kg	10	9.8	98	82 - 111	J
Barium	mg/Kg	10	9.7	97	83 - 113	J
Beryllium	mg/Kg	2	1.9	94	83 - 113	J
Cadmium	mg/Kg	1	0.96	96	82 - 113	J
Chromium	mg/Kg	4	3.9	97	85 - 113	J
Copper	mg/Kg	10	9.6	96	81 - 117	J
Nickel	mg/Kg	10	9.7	97	83 - 113	J
Lead	mg/Kg	10	9.5	95	81 - 112	J
Antimony	mg/Kg	10	9.8	98	79 - 114	J
Selenium	mg/Kg	20	19	97	78 - 111	J
Zinc	mg/Kg	200	190	97	82 - 113	J

Matrix Spike (5414932); Matrix Spike Duplicate (5414933); Original (J2410906001); Parent Lab Sample (J2410906001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Silver	mg/Kg	4.20	4.2	101	82 - 112	3.5	91	20	20	J
Arsenic	mg/Kg	11	2.4	**23**	82 - 111	0.93	**9.7**	**88**	20	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: ICPj/3743 **Analysis Method:** DoD SW-846 6010C
Preparation Method: SW-846 3050B
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Barium	mg/Kg	11	54	**134**	83 - 113	66	**271**	20	20	J
Beryllium	mg/Kg	2.10	1.9	92	83 - 113	1.8	94	6.50	20	J
Cadmium	mg/Kg	1.10	0.85	**81**	82 - 113	0.77	**80**	9.70	20	J
Chromium	mg/Kg	4.20	26	**251**	85 - 113	25	**269**	0.80	20	J
Copper	mg/Kg	11	36	**181**	81 - 117	35	**187**	3.10	20	J
Nickel	mg/Kg	11	16	103	83 - 113	13	83	**21**	20	J
Lead	mg/Kg	11	0	**0**	81 - 112	0	**0**	0	20	J
Antimony	mg/Kg	11	1.2	**11**	79 - 114	0.54	**5.6**	**74**	20	J
Selenium	mg/Kg	21	15	**71**	78 - 111	12	**60**	**25**	20	J
Zinc	mg/Kg	210	230	109	82 - 113	200	103	15	20	J

Matrix Spike (5414932); Matrix Spike Duplicate (5414933); Original (J2410906001); Parent Lab Sample (J2410906001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Silver	mg/Kg	4.20	4.2	101	82 - 112	3.5	91	20	20	J
Arsenic	mg/Kg	11	2.4	**23**	82 - 111	0.93	**9.7**	**88**	20	J
Barium	mg/Kg	11	54	**134**	83 - 113	66	**271**	20	20	J
Beryllium	mg/Kg	2.10	1.9	92	83 - 113	1.8	94	6.50	20	J
Cadmium	mg/Kg	1.10	0.85	**81**	82 - 113	0.77	**80**	9.70	20	J
Chromium	mg/Kg	4.20	26	**251**	85 - 113	25	**269**	0.80	20	J
Copper	mg/Kg	11	36	**181**	81 - 117	35	**187**	3.10	20	J
Nickel	mg/Kg	11	16	103	83 - 113	13	83	**21**	20	J
Lead	mg/Kg	11	0	**0**	81 - 112	0	**0**	0	20	J
Antimony	mg/Kg	11	1.2	**11**	79 - 114	0.54	**5.6**	**74**	20	J
Selenium	mg/Kg	21	15	**71**	78 - 111	12	**60**	**25**	20	J
Zinc	mg/Kg	210	230	109	82 - 113	200	103	15	20	J

QC Result Comments

Matrix Spike - 5414932 - Antimony

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5414932 - Arsenic

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5414932 - Cadmium

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Result Comments
Matrix Spike - 5414932 - Chromium
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5414932 - Copper
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5414932 - Selenium
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5414933 - Antimony
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5414933 - Arsenic
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5414933 - Barium
*|MS/MSD recovery and/or RPD is out of criteria
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5414933 - Cadmium
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5414933 - Chromium
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5414933 - Copper
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5414933 - Nickel
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5414933 - Selenium
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5414932 - Barium
*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Results

QC Batch: MSSj/4154 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Method Blank(5411303)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Phenol	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Chlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2-Methylphenol (o-Cresol)	0.33U	mg/Kg	0.17	0.33	0.67	J
3+4-Methylphenol(mp-Cresol)	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Nitrophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4-Dimethylphenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4-Dichlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
4-Chloro-3-methylphenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4,6-Trichlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4,5-Trichlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4-Dinitrophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
4-Nitrophenol	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Methyl-4,6-dinitrophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
Pentachlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
bis(2-Chloroethyl)Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
bis(2-Chloroisopropyl) Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
Acetophenone	0.17U	mg/Kg	0.083	0.17	0.33	J
N-Nitrosodi-n-propylamine	0.17U	mg/Kg	0.083	0.17	0.33	J
Hexachloroethane	0.17U	mg/Kg	0.083	0.17	0.33	J
Nitrobenzene	0.33U	mg/Kg	0.17	0.33	0.67	J
Isophorone	0.17U	mg/Kg	0.083	0.17	0.33	J
bis(2-Chloroethoxy)methane	0.33U	mg/Kg	0.17	0.33	0.67	J
Naphthalene	0.010U	mg/Kg	0.0050	0.010	0.020	J
4-Chloroaniline	0.17U	mg/Kg	0.083	0.17	0.33	J
Hexachlorobutadiene	0.17U	mg/Kg	0.083	0.17	0.33	J
2-Methylnaphthalene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Hexachlorocyclopentadiene	0.17U	mg/Kg	0.083	0.17	0.33	J
2-Chloronaphthalene	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Nitroaniline	0.17U	mg/Kg	0.083	0.17	0.33	J
Dimethyl phthalate	0.17U	mg/Kg	0.083	0.17	0.33	J
2,6-Dinitrotoluene (2,6-DNT)	0.17U	mg/Kg	0.083	0.17	0.33	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: MSSj/4154 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Parameter	Results	Units	DL	LOD	LOQ	Lab
Acenaphthylene	0.010U	mg/Kg	0.0050	0.010	0.020	J
3-Nitroaniline	0.33U	mg/Kg	0.17	0.33	0.67	J
Acenaphthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Dibenzofuran	0.010U	mg/Kg	0.0050	0.010	0.020	J
2,4-Dinitrotoluene (2,4-DNT)	0.17U	mg/Kg	0.083	0.17	0.33	J
Diethyl phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Fluorene	0.010U	mg/Kg	0.0050	0.010	0.020	J
4-Chlorophenyl Phenyl Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
4-Nitroaniline	0.33U	mg/Kg	0.17	0.33	0.67	J
4-Bromophenyl Phenyl Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
Hexachlorobenzene	0.17U	mg/Kg	0.083	0.17	0.33	J
Phenanthrene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Anthracene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Carbazole	0.010U	mg/Kg	0.0050	0.010	0.020	J
Di-n-Butyl Phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Fluoranthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Pyrene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Butyl benzyl phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Benzo[a]anthracene	0.010U	mg/Kg	0.0050	0.010	0.020	J
3,3`-Dichlorobenzidine	0.17U	mg/Kg	0.083	0.17	0.33	J
Chrysene	0.010U	mg/Kg	0.0050	0.010	0.020	J
bis(2-Ethylhexyl) phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Di-n-octyl Phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Benzo[b]fluoranthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Benzo[k]fluoranthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Benzo[a]pyrene	0.016U	mg/Kg	0.0080	0.016	0.032	J
Indeno(1,2,3-cd)pyrene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Dibenzo[a,h]anthracene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Benzo[g,h,i]perylene	0.010U	mg/Kg	0.0050	0.010	0.020	J
N-Nitrosodiphenylamine	0.17U	mg/Kg	0.083	0.17	0.33	J
Biphenyl	0.33U	mg/Kg	0.17	0.33	0.67	J
Atrazine	0.33U	mg/Kg	0.17	0.33	0.67	J
Benzaldehyde	0.17U	mg/Kg	0.083	0.17	0.33	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: MSSj/4154 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Parameter	Results	Units	DL	LOD	LOQ	Lab
Caprolactam	0.17U	mg/Kg	0.083	0.17	0.33	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	1.67	1.35	81	39 - 132	J
2-Fluorobiphenyl (S)	mg/L	1.67	1.35	81	44 - 115	J
2-Fluorophenol (S)	mg/L	1.67	1.41	84	35 - 115	J
2-Methylnaphthalene-d10 (S)	mg/L	1.67	1.52	91	50 - 150	J
Fluoranthene-d10 (S)	mg/L	1.67	1.69	102	50 - 150	J
Nitrobenzene-d5 (S)	mg/L	1.67	1.35	81	37 - 122	J
Phenol-d6 (S)	mg/L	1.67	1.39	83	33 - 122	J
p-Terphenyl-d14 (S)	mg/L	1.67	1.46	87	54 - 127	J

Lab Control Sample (5411304)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Phenol	mg/Kg	1.70	1.4	86	34 - 121	J
2-Chlorophenol	mg/Kg	1.70	1.4	85	34 - 121	J
2-Methylphenol (o-Cresol)	mg/Kg	1.70	1.4	87	32 - 122	J
3+4-Methylphenol(mp-Cresol)	mg/Kg	1.70	1.5	88	34 - 119	J
2-Nitrophenol	mg/Kg	1.70	1.4	86	36 - 123	J
2,4-Dimethylphenol	mg/Kg	1.70	1.7	102	30 - 127	J
2,4-Dichlorophenol	mg/Kg	1.70	1.4	83	40 - 122	J
4-Chloro-3-methylphenol	mg/Kg	1.70	1.5	88	45 - 122	J
2,4,6-Trichlorophenol	mg/Kg	1.70	1.4	84	39 - 126	J
2,4,5-Trichlorophenol	mg/Kg	1.70	1.4	86	41 - 124	J
2,4-Dinitrophenol	mg/Kg	1.70	1.5	90	52 - 122	J
4-Nitrophenol	mg/Kg	1.70	1.5	88	30 - 132	J
2-Methyl-4,6-dinitrophenol	mg/Kg	1.70	1.7	99	29 - 132	J
Pentachlorophenol	mg/Kg	1.70	1.3	79	25 - 133	J
bis(2-Chloroethyl)Ether	mg/Kg	1.70	1.3	79	31 - 120	J
bis(2-Chloroisopropyl) Ether	mg/Kg	1.70	1.3	81	33 - 131	J
Acetophenone	mg/Kg	1.70	1.4	82	33 - 115	J
N-Nitrosodi-n-propylamine	mg/Kg	1.70	1.4	82	36 - 120	J
Hexachloroethane	mg/Kg	1.70	1.3	80	28 - 117	J
Nitrobenzene	mg/Kg	1.70	1.4	81	34 - 122	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: MSSj/4154 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Isophorone	mg/Kg	1.70	1.3	81	30 - 122	J
bis(2-Chloroethoxy)methane	mg/Kg	1.70	1.4	82	36 - 121	J
Naphthalene	mg/Kg	1.70	1.4	84	38 - 111	J
4-Chloroaniline	mg/Kg	1.70	1.3	80	17 - 106	J
Hexachlorobutadiene	mg/Kg	1.70	1.3	81	32 - 123	J
2-Methylnaphthalene	mg/Kg	1.70	1.4	83	39 - 114	J
Hexachlorocyclopentadiene	mg/Kg	1.70	2.2	132	49 - 137	J
2-Chloronaphthalene	mg/Kg	1.70	1.4	86	41 - 114	J
2-Nitroaniline	mg/Kg	1.70	1.5	90	44 - 127	J
Dimethyl phthalate	mg/Kg	1.70	1.5	88	48 - 124	J
2,6-Dinitrotoluene (2,6-DNT)	mg/Kg	1.70	1.5	92	46 - 124	J
Acenaphthylene	mg/Kg	1.70	1.6	98	39 - 116	J
3-Nitroaniline	mg/Kg	1.70	1.6	93	33 - 119	J
Acenaphthene	mg/Kg	1.70	1.4	84	44 - 111	J
Dibenzofuran	mg/Kg	1.70	1.4	86	35 - 108	J
2,4-Dinitrotoluene (2,4-DNT)	mg/Kg	1.70	1.5	90	48 - 126	J
Diethyl phthalate	mg/Kg	1.70	1.4	86	50 - 124	J
Fluorene	mg/Kg	1.70	1.5	90	47 - 114	J
4-Chlorophenyl Phenyl Ether	mg/Kg	1.70	1.4	85	45 - 121	J
4-Nitroaniline	mg/Kg	1.70	1.5	88	79 - 122	J
4-Bromophenyl Phenyl Ether	mg/Kg	1.70	1.5	89	46 - 124	J
Hexachlorobenzene	mg/Kg	1.70	1.5	88	45 - 122	J
Phenanthrene	mg/Kg	1.70	1.5	91	49 - 133	J
Anthracene	mg/Kg	1.70	1.5	90	50 - 114	J
Carbazole	mg/Kg	1.70	1.5	92	36 - 123	J
Di-n-Butyl Phthalate	mg/Kg	1.70	1.5	89	51 - 128	J
Fluoranthene	mg/Kg	1.70	1.5	93	55 - 119	J
Pyrene	mg/Kg	1.70	1.5	89	55 - 117	J
Butyl benzyl phthalate	mg/Kg	1.70	1.5	91	48 - 132	J
Benzo[a]anthracene	mg/Kg	1.70	1.6	95	54 - 122	J
3,3`-Dichlorobenzidine	mg/Kg	1.70	1.1	69	22 - 121	J
Chrysene	mg/Kg	1.70	1.5	92	57 - 118	J
bis(2-Ethylhexyl) phthalate	mg/Kg	1.70	1.5	89	51 - 133	J
Di-n-octyl Phthalate	mg/Kg	1.70	1.5	90	45 - 140	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: MSSj/4154 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Benzo[b]fluoranthene	mg/Kg	1.70	1.6	99	53 - 128	J
Benzo[k]fluoranthene	mg/Kg	1.70	1.5	87	56 - 123	J
Benzo[a]pyrene	mg/Kg	1.70	1.7	100	50 - 125	J
Indeno(1,2,3-cd)pyrene	mg/Kg	1.70	1.6	95	49 - 130	J
Dibenzo[a,h]anthracene	mg/Kg	1.70	1.6	98	50 - 129	J
Benzo[g,h,i]perylene	mg/Kg	1.70	1.5	92	49 - 127	J
N-Nitrosodiphenylamine	mg/Kg	1.70	1.3	76	38 - 127	J
Biphenyl	mg/Kg	1.70	1.4	83	40 - 117	J
Atrazine	mg/Kg	1.70	1.4	83	47 - 127	J
Benzaldehyde	mg/Kg	1.70	0.7	42	10 - 90	J
Caprolactam	mg/Kg	1.70	1.7	100	46 - 117	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	1.67	1.47	88	39 - 132	J
2-Fluorobiphenyl (S)	mg/L	1.67	1.36	82	44 - 115	J
2-Fluorophenol (S)	mg/L	1.67	1.34	81	35 - 115	J
2-Methylnaphthalene-d10 (S)	mg/L	1.67	1.45	87	50 - 150	J
Fluoranthene-d10 (S)	mg/L	1.67	1.65	99	50 - 150	J
Nitrobenzene-d5 (S)	mg/L	1.67	1.33	80	37 - 122	J
Phenol-d6 (S)	mg/L	1.67	1.35	81	33 - 122	J
p-Terphenyl-d14 (S)	mg/L	1.67	1.42	85	54 - 127	J

Method Blank(5411303)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Phenol	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Chlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2-Methylphenol (o-Cresol)	0.33U	mg/Kg	0.17	0.33	0.67	J
3+4-Methylphenol(mp-Cresol)	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Nitrophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4-Dimethylphenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4-Dichlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
4-Chloro-3-methylphenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4,6-Trichlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4,5-Trichlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: MSSj/4154 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Parameter	Results	Units	DL	LOD	LOQ	Lab
2,4-Dinitrophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
4-Nitrophenol	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Methyl-4,6-dinitrophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
Pentachlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
bis(2-Chloroethyl)Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
bis(2-Chloroisopropyl) Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
Acetophenone	0.17U	mg/Kg	0.083	0.17	0.33	J
N-Nitrosodi-n-propylamine	0.17U	mg/Kg	0.083	0.17	0.33	J
Hexachloroethane	0.17U	mg/Kg	0.083	0.17	0.33	J
Nitrobenzene	0.33U	mg/Kg	0.17	0.33	0.67	J
Isophorone	0.17U	mg/Kg	0.083	0.17	0.33	J
bis(2-Chloroethoxy)methane	0.33U	mg/Kg	0.17	0.33	0.67	J
Naphthalene	0.010U	mg/Kg	0.0050	0.010	0.020	J
4-Chloroaniline	0.17U	mg/Kg	0.083	0.17	0.33	J
Hexachlorobutadiene	0.17U	mg/Kg	0.083	0.17	0.33	J
2-Methylnaphthalene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Hexachlorocyclopentadiene	0.17U	mg/Kg	0.083	0.17	0.33	J
2-Chloronaphthalene	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Nitroaniline	0.17U	mg/Kg	0.083	0.17	0.33	J
Dimethyl phthalate	0.17U	mg/Kg	0.083	0.17	0.33	J
2,6-Dinitrotoluene (2,6-DNT)	0.17U	mg/Kg	0.083	0.17	0.33	J
Acenaphthylene	0.010U	mg/Kg	0.0050	0.010	0.020	J
3-Nitroaniline	0.33U	mg/Kg	0.17	0.33	0.67	J
Acenaphthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Dibenzofuran	0.010U	mg/Kg	0.0050	0.010	0.020	J
2,4-Dinitrotoluene (2,4-DNT)	0.17U	mg/Kg	0.083	0.17	0.33	J
Diethyl phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Fluorene	0.010U	mg/Kg	0.0050	0.010	0.020	J
4-Chlorophenyl Phenyl Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
4-Nitroaniline	0.33U	mg/Kg	0.17	0.33	0.67	J
4-Bromophenyl Phenyl Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
Hexachlorobenzene	0.17U	mg/Kg	0.083	0.17	0.33	J
Phenanthrene	0.010U	mg/Kg	0.0050	0.010	0.020	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: MSSj/4154 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Parameter	Results	Units	DL	LOD	LOQ	Lab
Anthracene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Carbazole	0.010U	mg/Kg	0.0050	0.010	0.020	J
Di-n-Butyl Phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Fluoranthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Pyrene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Butyl benzyl phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Benzo[a]anthracene	0.010U	mg/Kg	0.0050	0.010	0.020	J
3,3`-Dichlorobenzidine	0.17U	mg/Kg	0.083	0.17	0.33	J
Chrysene	0.010U	mg/Kg	0.0050	0.010	0.020	J
bis(2-Ethylhexyl) phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Di-n-octyl Phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Benzo[b]fluoranthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Benzo[k]fluoranthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Benzo[a]pyrene	0.016U	mg/Kg	0.0080	0.016	0.032	J
Indeno(1,2,3-cd)pyrene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Dibenzo[a,h]anthracene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Benzo[g,h,i]perylene	0.010U	mg/Kg	0.0050	0.010	0.020	J
N-Nitrosodiphenylamine	0.17U	mg/Kg	0.083	0.17	0.33	J
Biphenyl	0.33U	mg/Kg	0.17	0.33	0.67	J
Atrazine	0.33U	mg/Kg	0.17	0.33	0.67	J
Benzaldehyde	0.17U	mg/Kg	0.083	0.17	0.33	J
Caprolactam	0.17U	mg/Kg	0.083	0.17	0.33	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	1.67	1.35	81	39 - 132	J
2-Fluorobiphenyl (S)	mg/L	1.67	1.35	81	44 - 115	J
2-Fluorophenol (S)	mg/L	1.67	1.41	84	35 - 115	J
2-Methylnaphthalene-d10 (S)	mg/L	1.67	1.52	91	50 - 150	J
Fluoranthene-d10 (S)	mg/L	1.67	1.69	102	50 - 150	J
Nitrobenzene-d5 (S)	mg/L	1.67	1.35	81	37 - 122	J
Phenol-d6 (S)	mg/L	1.67	1.39	83	33 - 122	J
p-Terphenyl-d14 (S)	mg/L	1.67	1.46	87	54 - 127	J

Lab Control Sample (5411304)

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: MSSj/4154 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Phenol	mg/Kg	1.70	1.4	86	34 - 121	J
2-Chlorophenol	mg/Kg	1.70	1.4	85	34 - 121	J
2-Methylphenol (o-Cresol)	mg/Kg	1.70	1.4	87	32 - 122	J
3+4-Methylphenol(mp-Cresol)	mg/Kg	1.70	1.5	88	34 - 119	J
2-Nitrophenol	mg/Kg	1.70	1.4	86	36 - 123	J
2,4-Dimethylphenol	mg/Kg	1.70	1.7	102	30 - 127	J
2,4-Dichlorophenol	mg/Kg	1.70	1.4	83	40 - 122	J
4-Chloro-3-methylphenol	mg/Kg	1.70	1.5	88	45 - 122	J
2,4,6-Trichlorophenol	mg/Kg	1.70	1.4	84	39 - 126	J
2,4,5-Trichlorophenol	mg/Kg	1.70	1.4	86	41 - 124	J
2,4-Dinitrophenol	mg/Kg	1.70	1.5	90	52 - 122	J
4-Nitrophenol	mg/Kg	1.70	1.5	88	30 - 132	J
2-Methyl-4,6-dinitrophenol	mg/Kg	1.70	1.7	99	29 - 132	J
Pentachlorophenol	mg/Kg	1.70	1.3	79	25 - 133	J
bis(2-Chloroethyl)Ether	mg/Kg	1.70	1.3	79	31 - 120	J
bis(2-Chloroisopropyl) Ether	mg/Kg	1.70	1.3	81	33 - 131	J
Acetophenone	mg/Kg	1.70	1.4	82	33 - 115	J
N-Nitrosodi-n-propylamine	mg/Kg	1.70	1.4	82	36 - 120	J
Hexachloroethane	mg/Kg	1.70	1.3	80	28 - 117	J
Nitrobenzene	mg/Kg	1.70	1.4	81	34 - 122	J
Isophorone	mg/Kg	1.70	1.3	81	30 - 122	J
bis(2-Chloroethoxy)methane	mg/Kg	1.70	1.4	82	36 - 121	J
Naphthalene	mg/Kg	1.70	1.4	84	38 - 111	J
4-Chloroaniline	mg/Kg	1.70	1.3	80	17 - 106	J
Hexachlorobutadiene	mg/Kg	1.70	1.3	81	32 - 123	J
2-Methylnaphthalene	mg/Kg	1.70	1.4	83	39 - 114	J
Hexachlorocyclopentadiene	mg/Kg	1.70	2.2	132	49 - 137	J
2-Chloronaphthalene	mg/Kg	1.70	1.4	86	41 - 114	J
2-Nitroaniline	mg/Kg	1.70	1.5	90	44 - 127	J
Dimethyl phthalate	mg/Kg	1.70	1.5	88	48 - 124	J
2,6-Dinitrotoluene (2,6-DNT)	mg/Kg	1.70	1.5	92	46 - 124	J
Acenaphthylene	mg/Kg	1.70	1.6	98	39 - 116	J
3-Nitroaniline	mg/Kg	1.70	1.6	93	33 - 119	J
Acenaphthene	mg/Kg	1.70	1.4	84	44 - 111	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: MSSj/4154 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dibenzofuran	mg/Kg	1.70	1.4	86	35 - 108	J
2,4-Dinitrotoluene (2,4-DNT)	mg/Kg	1.70	1.5	90	48 - 126	J
Diethyl phthalate	mg/Kg	1.70	1.4	86	50 - 124	J
Fluorene	mg/Kg	1.70	1.5	90	47 - 114	J
4-Chlorophenyl Phenyl Ether	mg/Kg	1.70	1.4	85	45 - 121	J
4-Nitroaniline	mg/Kg	1.70	1.5	88	79 - 122	J
4-Bromophenyl Phenyl Ether	mg/Kg	1.70	1.5	89	46 - 124	J
Hexachlorobenzene	mg/Kg	1.70	1.5	88	45 - 122	J
Phenanthrene	mg/Kg	1.70	1.5	91	49 - 133	J
Anthracene	mg/Kg	1.70	1.5	90	50 - 114	J
Carbazole	mg/Kg	1.70	1.5	92	36 - 123	J
Di-n-Butyl Phthalate	mg/Kg	1.70	1.5	89	51 - 128	J
Fluoranthene	mg/Kg	1.70	1.5	93	55 - 119	J
Pyrene	mg/Kg	1.70	1.5	89	55 - 117	J
Butyl benzyl phthalate	mg/Kg	1.70	1.5	91	48 - 132	J
Benzo[a]anthracene	mg/Kg	1.70	1.6	95	54 - 122	J
3,3`-Dichlorobenzidine	mg/Kg	1.70	1.1	69	22 - 121	J
Chrysene	mg/Kg	1.70	1.5	92	57 - 118	J
bis(2-Ethylhexyl) phthalate	mg/Kg	1.70	1.5	89	51 - 133	J
Di-n-octyl Phthalate	mg/Kg	1.70	1.5	90	45 - 140	J
Benzo[b]fluoranthene	mg/Kg	1.70	1.6	99	53 - 128	J
Benzo[k]fluoranthene	mg/Kg	1.70	1.5	87	56 - 123	J
Benzo[a]pyrene	mg/Kg	1.70	1.7	100	50 - 125	J
Indeno(1,2,3-cd)pyrene	mg/Kg	1.70	1.6	95	49 - 130	J
Dibenzo[a,h]anthracene	mg/Kg	1.70	1.6	98	50 - 129	J
Benzo[g,h,i]perylene	mg/Kg	1.70	1.5	92	49 - 127	J
N-Nitrosodiphenylamine	mg/Kg	1.70	1.3	76	38 - 127	J
Biphenyl	mg/Kg	1.70	1.4	83	40 - 117	J
Atrazine	mg/Kg	1.70	1.4	83	47 - 127	J
Benzaldehyde	mg/Kg	1.70	0.7	42	10 - 90	J
Caprolactam	mg/Kg	1.70	1.7	100	46 - 117	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: MSSj/4154 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	1.67	1.47	88	39 - 132	J
2-Fluorobiphenyl (S)	mg/L	1.67	1.36	82	44 - 115	J
2-Fluorophenol (S)	mg/L	1.67	1.34	81	35 - 115	J
2-Methylnaphthalene-d10 (S)	mg/L	1.67	1.45	87	50 - 150	J
Fluoranthene-d10 (S)	mg/L	1.67	1.65	99	50 - 150	J
Nitrobenzene-d5 (S)	mg/L	1.67	1.33	80	37 - 122	J
Phenol-d6 (S)	mg/L	1.67	1.35	81	33 - 122	J
p-Terphenyl-d14 (S)	mg/L	1.67	1.42	85	54 - 127	J

Matrix Spike (5412708); Matrix Spike Duplicate (5412709); Original (J2410916001); Parent Lab Sample (J2410916001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Phenol	mg/Kg	1.70	1.4	84	34 - 121	1.3	81	3.70	20	J
2-Chlorophenol	mg/Kg	1.70	1.4	84	34 - 121	1.4	82	2.10	20	J
2-Methylphenol (o-Cresol)	mg/Kg	1.70	1.5	88	32 - 122	1.4	85	3.60	20	J
3+4-Methylphenol(mp-Cres	mg/Kg	1.70	1.5	89	34 - 119	1.4	85	5.10	20	J
2-Nitrophenol	mg/Kg	1.70	1.5	88	36 - 123	1.5	89	1.20	20	J
2,4-Dimethylphenol	mg/Kg	1.70	1.7	102	30 - 127	1.7	101	1	20	J
2,4-Dichlorophenol	mg/Kg	1.70	1.4	86	40 - 122	1.5	88	2.30	20	J
4-Chloro-3-methylphenol	mg/Kg	1.70	1.5	89	45 - 122	1.5	89	0.10	20	J
2,4,6-Trichlorophenol	mg/Kg	1.70	1.4	87	39 - 126	1.4	87	0.30	20	J
2,4,5-Trichlorophenol	mg/Kg	1.70	1.5	88	41 - 124	1.5	88	0.50	20	J
2,4-Dinitrophenol	mg/Kg	1.70	1.5	93	52 - 122	1.6	95	2.20	20	J
4-Nitrophenol	mg/Kg	1.70	1.5	92	30 - 132	1.5	89	3.10	20	J
2-Methyl-4,6-dinitrophenol	mg/Kg	1.70	1.6	98	29 - 132	1.6	98	0	20	J
Pentachlorophenol	mg/Kg	1.70	1.3	81	25 - 133	1.3	80	1.50	20	J
bis(2-Chloroethyl)Ether	mg/Kg	1.70	1.4	84	31 - 120	1.3	81	4.60	20	J
bis(2-Chloroisopropyl) Ethe	mg/Kg	1.70	1.3	80	33 - 131	1.3	78	2.70	20	J
Acetophenone	mg/Kg	1.70	1.4	82	33 - 115	1.3	80	3.20	20	J
N-Nitrosodi-n-propylamine	mg/Kg	1.70	1.5	91	36 - 120	1.4	87	5.30	20	J
Hexachloroethane	mg/Kg	1.70	1.3	80	28 - 117	1.3	78	3	20	J
Nitrobenzene	mg/Kg	1.70	1.4	85	34 - 122	1.4	85	0.10	20	J
Isophorone	mg/Kg	1.70	1.4	85	30 - 122	1.4	83	1.50	20	J
bis(2-Chloroethoxy)methan	mg/Kg	1.70	1.4	83	36 - 121	1.4	84	1.60	20	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: MSSj/4154 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Naphthalene	mg/Kg	1.70	1.4	81	38 - 111	1.4	83	2.10	20	J
4-Chloroaniline	mg/Kg	1.70	1.4	83	17 - 106	1.3	80	3.60	20	J
Hexachlorobutadiene	mg/Kg	1.70	1.3	80	32 - 123	1.3	80	0.50	20	J
2-Methylnaphthalene	mg/Kg	1.70	1.3	80	39 - 114	1.3	81	1.40	20	J
Hexachlorocyclopentadiene	mg/Kg	1.70	2.1	128	49 - 137	2.2	130	1.70	20	J
2-Chloronaphthalene	mg/Kg	1.70	1.3	80	41 - 114	1.3	78	2.90	20	J
2-Nitroaniline	mg/Kg	1.70	1.5	90	44 - 127	1.5	90	0.40	20	J
Dimethyl phthalate	mg/Kg	1.70	1.4	86	48 - 124	1.4	87	0.50	20	J
2,6-Dinitrotoluene (2,6-DNT	mg/Kg	1.70	1.6	94	46 - 124	1.5	92	2.30	20	J
Acenaphthylene	mg/Kg	1.70	1.6	95	39 - 116	1.6	94	1.20	20	J
3-Nitroaniline	mg/Kg	1.70	1.6	93	33 - 119	1.5	93	1.20	20	J
Acenaphthene	mg/Kg	1.70	1.3	80	44 - 111	1.3	80	0.60	20	J
Dibenzofuran	mg/Kg	1.70	1.4	83	35 - 108	1.4	83	0.20	20	J
2,4-Dinitrotoluene (2,4-DNT	mg/Kg	1.70	1.6	94	48 - 126	1.5	92	3.10	20	J
Diethyl phthalate	mg/Kg	1.70	1.5	89	50 - 124	1.5	88	1	20	J
Fluorene	mg/Kg	1.70	1.4	87	47 - 114	1.4	85	2.40	20	J
4-Chlorophenyl Phenyl Eth	mg/Kg	1.70	1.4	87	45 - 121	1.4	85	2.30	20	J
4-Nitroaniline	mg/Kg	1.70	1.6	96	79 - 122	1.6	95	1.40	20	J
4-Bromophenyl Phenyl Eth	mg/Kg	1.70	1.5	88	46 - 124	1.4	87	1.40	20	J
Hexachlorobenzene	mg/Kg	1.70	1.5	89	45 - 122	1.4	84	5.30	20	J
Phenanthrene	mg/Kg	1.70	1.5	87	49 - 133	1.4	86	2.10	20	J
Anthracene	mg/Kg	1.70	1.4	85	50 - 114	1.4	83	2.40	20	J
Carbazole	mg/Kg	1.70	1.5	89	36 - 123	1.4	86	3.40	20	J
Di-n-Butyl Phthalate	mg/Kg	1.70	1.5	93	51 - 128	1.5	89	4.20	20	J
Fluoranthene	mg/Kg	1.70	1.5	89	55 - 119	1.5	88	0.70	20	J
Pyrene	mg/Kg	1.70	1.4	85	55 - 117	1.4	84	1	20	J
Butyl benzyl phthalate	mg/Kg	1.70	1.5	92	48 - 132	1.5	90	2.20	20	J
Benzo[a]anthracene	mg/Kg	1.70	1.4	86	54 - 122	1.4	84	2.70	20	J
3,3`-Dichlorobenzidine	mg/Kg	1.70	1.2	74	22 - 121	1.2	71	5.30	20	J
Chrysene	mg/Kg	1.70	1.4	84	57 - 118	1.3	81	3.20	20	J
bis(2-Ethylhexyl) phthalate	mg/Kg	1.70	1.5	91	51 - 133	1.5	91	0.20	20	J
Di-n-octyl Phthalate	mg/Kg	1.70	1.5	93	45 - 140	1.5	89	4.60	20	J
Benzo[b]fluoranthene	mg/Kg	1.70	1.5	90	53 - 128	1.4	87	3.40	20	J

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: MSSj/4154 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzo[k]fluoranthene	mg/Kg	1.70	1.4	82	56 - 123	1.4	83	1.50	20	J
Benzo[a]pyrene	mg/Kg	1.70	1.5	91	50 - 125	1.5	88	3.10	20	J
Indeno(1,2,3-cd)pyrene	mg/Kg	1.70	1.4	85	49 - 130	1.5	87	2.50	20	J
Dibenzo[a,h]anthracene	mg/Kg	1.70	1.4	85	50 - 129	1.4	86	0.80	20	J
Benzo[g,h,i]perylene	mg/Kg	1.70	1.4	83	49 - 127	1.4	85	2.80	20	J
N-Nitrosodiphenylamine	mg/Kg	1.70	1.3	78	38 - 127	1.3	77	1.20	20	J
Biphenyl	mg/Kg	1.70	1.4	83	40 - 117	1.4	83	0.10	20	J
Atrazine	mg/Kg	1.70	1.5	88	47 - 127	1.4	86	3	20	J
Benzaldehyde	mg/Kg	1.70	0.64	38	10 - 90	0.63	38	1.60	20	J
Caprolactam	mg/Kg	1.70	1.7	101	46 - 117	1.6	99	2.50	20	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2,4,6-Tribromophenol (S)	mg/L	1.66	1.44	87	39 - 132	1.41	85	1.90		J
2-Fluorobiphenyl (S)	mg/L	1.66	1.35	81	44 - 115	1.34	81	0.30		J
2-Fluorophenol (S)	mg/L	1.66	1.31	79	35 - 115	1.28	77	2.50		J
2-Methylnaphthalene-d10 (S)	mg/L	1.66	1.34	80	50 - 150	1.38	83	3.20		J
Fluoranthene-d10 (S)	mg/L	1.66	1.46	88	50 - 150	1.43	86	2.70		J
Nitrobenzene-d5 (S)	mg/L	1.66	1.34	80	37 - 122	1.32	80	1		J
Phenol-d6 (S)	mg/L	1.66	1.35	81	33 - 122	1.30	78	3.80		J
p-Terphenyl-d14 (S)	mg/L	1.66	1.39	84	54 - 127	1.35	81	3.40		J

QC Result Comments

Matrix Spike - 5412708 - 2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5412709 - 2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

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FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Results

QC Batch: MSVj/10281 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Method Blank(5412879)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Dichlorodifluoromethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Chloromethane	0.0030U	mg/Kg	0.0015	0.0030	0.0060	J
Vinyl Chloride	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Bromomethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Chloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Trichlorofluoromethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Acetone	0.0030U	mg/Kg	0.0015	0.0030	0.0060	J
1,1-Dichloroethylene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Methylene Chloride	0.0030U	mg/Kg	0.0015	0.0030	0.0060	J
Carbon Disulfide	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
trans-1,2-Dichloroethylene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Methyl tert-butyl Ether (MTBE)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,1-Dichloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
2-Butanone (MEK)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
cis-1,2-Dichloroethylene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Chloroform	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2-Dichloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,1,1-Trichloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Carbon Tetrachloride	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Benzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2-Dichloropropane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Trichloroethene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Bromodichloromethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
cis-1,3-Dichloropropene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
4-Methyl-2-pentanone (MIBK)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
trans-1,3-Dichloropropylene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,1,2-Trichloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Toluene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
2-Hexanone	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Dibromochloromethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Ethylene Dibromide (EDB)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: MSVj/10281 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Parameter	Results	Units	DL	LOD	LOQ	Lab
Tetrachloroethylene (PCE)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Chlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Ethylbenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Bromoform	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Styrene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,1,2,2-Tetrachloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Isopropylbenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,3-Dichlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,4-Dichlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2-Dichlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2-Dibromo-3-Chloropropane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2,4-Trichlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Xylene (Total)	0.0045U	mg/Kg	0.0022	0.0045	0.0090	J
1,1,2-Trichlorotrifluoroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,4-Dioxane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Methyl Cyclohexane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Methyl Acetate	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Cyclohexane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	49.40	99	71 - 136	J
Bromofluorobenzene (S)	ug/L	50	51.20	102	79 - 119	J
Toluene-d8 (S)	ug/L	50	49.10	98	85 - 116	J

Lab Control Sample (5412880)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	mg/Kg	0.02	0.022	111	29 - 149	J
Chloromethane	mg/Kg	0.02	0.022	112	50 - 136	J
Vinyl Chloride	mg/Kg	0.02	0.022	112	56 - 135	J
Bromomethane	mg/Kg	0.02	0.02	99	53 - 143	J
Chloroethane	mg/Kg	0.02	0.022	111	59 - 139	J
Trichlorofluoromethane	mg/Kg	0.02	0.023	113	62 - 140	J
Acetone	mg/Kg	0.02	0.022	109	36 - 164	J
1,1-Dichloroethylene	mg/Kg	0.02	0.023	114	70 - 131	J

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Fax: (904) 363-9354

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: MSVj/10281 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Methylene Chloride	mg/Kg	0.02	0.022	112	70 - 128	J
Carbon Disulfide	mg/Kg	0.02	0.023	117	63 - 132	J
trans-1,2-Dichloroethylene	mg/Kg	0.02	0.022	112	74 - 125	J
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.02	0.024	119	73 - 125	J
1,1-Dichloroethane	mg/Kg	0.02	0.023	115	76 - 125	J
2-Butanone (MEK)	mg/Kg	0.02	0.022	111	51 - 148	J
cis-1,2-Dichloroethylene	mg/Kg	0.02	0.022	112	77 - 123	J
Chloroform	mg/Kg	0.02	0.023	116	78 - 123	J
1,2-Dichloroethane	mg/Kg	0.02	0.022	110	73 - 128	J
1,1,1-Trichloroethane	mg/Kg	0.02	0.023	115	73 - 130	J
Carbon Tetrachloride	mg/Kg	0.02	0.023	117	70 - 135	J
Benzene	mg/Kg	0.02	0.024	118	77 - 121	J
1,2-Dichloropropane	mg/Kg	0.02	0.023	113	76 - 123	J
Trichloroethene	mg/Kg	0.02	0.023	114	77 - 123	J
Bromodichloromethane	mg/Kg	0.02	0.022	109	75 - 127	J
cis-1,3-Dichloropropene	mg/Kg	0.02	0.022	112	74 - 126	J
4-Methyl-2-pentanone (MIBK)	mg/Kg	0.02	0.021	107	65 - 135	J
trans-1,3-Dichloropropylene	mg/Kg	0.02	0.022	108	71 - 130	J
1,1,2-Trichloroethane	mg/Kg	0.02	0.022	110	78 - 121	J
Toluene	mg/Kg	0.02	0.023	113	77 - 121	J
2-Hexanone	mg/Kg	0.02	0.022	109	53 - 145	J
Dibromochloromethane	mg/Kg	0.02	0.022	108	74 - 126	J
Ethylene Dibromide (EDB)	mg/Kg	0.02	0.022	112	78 - 122	J
Tetrachloroethylene (PCE)	mg/Kg	0.02	0.023	116	73 - 128	J
Chlorobenzene	mg/Kg	0.02	0.022	111	79 - 120	J
Ethylbenzene	mg/Kg	0.02	0.022	111	76 - 122	J
Bromoform	mg/Kg	0.02	0.022	109	67 - 132	J
Styrene	mg/Kg	0.02	0.022	109	76 - 124	J
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	0.024	119	70 - 124	J
Isopropylbenzene	mg/Kg	0.02	0.022	110	68 - 134	J
1,3-Dichlorobenzene	mg/Kg	0.02	0.02	101	77 - 121	J
1,4-Dichlorobenzene	mg/Kg	0.02	0.02	98	75 - 120	J
1,2-Dichlorobenzene	mg/Kg	0.02	0.02	101	78 - 121	J
1,2-Dibromo-3-Chloropropane	mg/Kg	0.02	0.021	104	61 - 132	J

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: MSVj/10281 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2,4-Trichlorobenzene	mg/Kg	0.02	0.019	93	67 - 129	J
Xylene (Total)	mg/Kg	0.06	0.066	111	78 - 124	J
1,1,2-Trichlorotrifluoroethane	mg/Kg	0.02	0.024	118	66 - 136	J
1,4-Dioxane	mg/Kg	0.02	0.023	116	55 - 138	J
Methyl Cyclohexane	mg/Kg	0.02	0.023	114	66 - 133	J
Methyl Acetate	mg/Kg	0.02	0.023	115	53 - 144	J
Cyclohexane	mg/Kg	0.02	0.023	115	67 - 131	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	50	100	71 - 136	J
Bromofluorobenzene (S)	ug/L	50	49.10	98	79 - 119	J
Toluene-d8 (S)	ug/L	50	50.20	100	85 - 116	J

Matrix Spike (5412881); Matrix Spike Duplicate (5412882); Original (J2410906001); Parent Lab Sample (J2410906001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	mg/Kg	0.03	0.027	90	29 - 149	0.039	89	**37**	20	J
Chloromethane	mg/Kg	0.03	0.026	86	50 - 136	0.041	93	**46**	20	J
Vinyl Chloride	mg/Kg	0.03	0.027	89	56 - 135	0.041	93	**42**	20	J
Bromomethane	mg/Kg	0.03	0.023	76	53 - 143	0.038	85	**49**	20	J
Chloroethane	mg/Kg	0.03	0.027	89	59 - 139	0.041	93	**42**	20	J
Trichlorofluoromethane	mg/Kg	0.03	0.028	91	62 - 140	0.039	88	**34**	20	J
Acetone	mg/Kg	0.03	0.055	39	36 - 164	0.074	68	**28**	20	J
1,1-Dichloroethylene	mg/Kg	0.03	0.028	91	70 - 131	0.041	93	**39**	20	J
Methylene Chloride	mg/Kg	0.03	0.026	87	70 - 128	0.039	89	**40**	20	J
Carbon Disulfide	mg/Kg	0.03	0.026	87	63 - 132	0.038	86	**37**	20	J
trans-1,2-Dichloroethylene	mg/Kg	0.03	0.026	87	74 - 125	0.039	89	**40**	20	J
Methyl tert-butyl Ether (MT	mg/Kg	0.03	0.025	83	73 - 125	0.039	88	**43**	20	J
1,1-Dichloroethane	mg/Kg	0.03	0.026	87	76 - 125	0.039	89	**40**	20	J
2-Butanone (MEK)	mg/Kg	0.03	0.02	65	51 - 148	0.029	65	**38**	20	J
cis-1,2-Dichloroethylene	mg/Kg	0.03	0.025	82	77 - 123	0.037	84	**40**	20	J
Chloroform	mg/Kg	0.03	0.027	88	78 - 123	0.04	90	**40**	20	J
1,2-Dichloroethane	mg/Kg	0.03	0.025	82	73 - 128	0.036	81	**37**	20	J
1,1,1-Trichloroethane	mg/Kg	0.03	0.026	88	73 - 130	0.04	90	**41**	20	J
Carbon Tetrachloride	mg/Kg	0.03	0.023	77	70 - 135	0.036	82	**43**	20	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: MSVj/10281 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzene	mg/Kg	0.03	0.027	90	77 - 121	0.04	91	**38**	20	J
1,2-Dichloropropane	mg/Kg	0.03	0.026	85	76 - 123	0.038	87	**40**	20	J
Trichloroethene	mg/Kg	0.03	0.026	87	77 - 123	0.039	88	**39**	20	J
Bromodichloromethane	mg/Kg	0.03	0.023	76	75 - 127	0.033	76	**37**	20	J
cis-1,3-Dichloropropene	mg/Kg	0.03	0.022	**72**	74 - 126	0.033	74	**41**	20	J
4-Methyl-2-pentanone (MIB	mg/Kg	0.03	0.02	68	65 - 135	0.033	74	**46**	20	J
trans-1,3-Dichloropropyle	mg/Kg	0.03	0.02	**66**	71 - 130	0.031	**69**	**42**	20	J
1,1,2-Trichloroethane	mg/Kg	0.03	0.023	**77**	78 - 121	0.035	80	**41**	20	J
Toluene	mg/Kg	0.03	0.025	84	77 - 121	0.038	85	**40**	20	J
2-Hexanone	mg/Kg	0.03	0.02	67	53 - 145	0.032	72	**44**	20	J
Dibromochloromethane	mg/Kg	0.03	0.021	**68**	74 - 126	0.031	**69**	**40**	20	J
Ethylene Dibromide (EDB	mg/Kg	0.03	0.023	**76**	78 - 122	0.035	79	**41**	20	J
Tetrachloroethylene (PCE)	mg/Kg	0.03	0.025	82	73 - 128	0.038	85	**41**	20	J
Chlorobenzene	mg/Kg	0.03	0.023	**76**	79 - 120	0.035	**78**	**40**	20	J
Ethylbenzene	mg/Kg	0.03	0.024	78	76 - 122	0.035	80	**40**	20	J
Bromoform	mg/Kg	0.03	0.019	**61**	67 - 132	0.028	**64**	**42**	20	J
Styrene	mg/Kg	0.03	0.021	**68**	76 - 124	0.03	**68**	**37**	20	J
1,1,2,2-Tetrachloroethane	mg/Kg	0.03	0.022	74	70 - 124	0.034	76	**40**	20	J
Isopropylbenzene	mg/Kg	0.03	0.023	76	68 - 134	0.035	78	**41**	20	J
1,3-Dichlorobenzene	mg/Kg	0.03	0.018	**60**	77 - 121	0.027	**61**	**40**	20	J
1,4-Dichlorobenzene	mg/Kg	0.03	0.017	**58**	75 - 120	0.027	**60**	**42**	20	J
1,2-Dichlorobenzene	mg/Kg	0.03	0.018	**58**	78 - 121	0.026	**59**	**38**	20	J
1,2-Dibromo-3-Chloropro	mg/Kg	0.03	0.018	**59**	61 - 132	0.028	63	**44**	20	J
1,2,4-Trichlorobenzene	mg/Kg	0.03	0.012	**40**	67 - 129	0.02	**46**	**52**	20	J
Xylene (Total)	mg/Kg	0.0910	0.07	**77**	78 - 124	0.1	79	**40**	20	J
1,1,2-Trichlorotrifluoroethan	mg/Kg	0.03	0.027	89	66 - 136	0.042	94	**42**	20	J
1,4-Dioxane	mg/Kg	0.03	0.02	68	55 - 138	0.035	80	**54**	20	J
Methyl Cyclohexane	mg/Kg	0.03	0.023	78	66 - 133	0.038	85	**46**	20	J
Methyl Acetate	mg/Kg	0.03	0.023	67	53 - 144	0.035	72	**40**	20	J
Cyclohexane	mg/Kg	0.03	0.025	84	67 - 131	0.039	88	**42**	20	J

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Fax: (904) 363-9354

FINAL

Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Batch: MSVj/10281 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2410906001, J2410906002, J2410906003, J2410906004, J2410906005, J2410906006, J2410906007, J2410906008, J2410906009, J2410906010, J2410906011

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	75.50	75.80	100	71 - 136	111	100	37		J
Bromofluorobenzene (S)	ug/L	75.50	76.30	101	79 - 119	112	101	38		J
Toluene-d8 (S)	ug/L	75.50	74.50	99	85 - 116	112	101	40		J

QC Result Comments

Matrix Spike - 5412881 - 1,1,2-Trichloroethane
*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5412881 - 1,2,4-Trichlorobenzene
*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5412881 - 1,2-Dibromo-3-Chloropropane
*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5412881 - 1,2-Dichlorobenzene
*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5412881 - 1,3-Dichlorobenzene
*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5412881 - 1,4-Dichlorobenzene
*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5412881 - Bromoform
*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5412881 - Chlorobenzene
*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5412881 - Dibromochloromethane
*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5412881 - Ethylene Dibromide (EDB)
*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5412881 - Styrene
*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5412881 - Xylene (Total)
*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5412881 - cis-1,3-Dichloropropene
*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Result Comments

Matrix Spike - 5412881 - trans-1,3-Dichloropropylene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - 1,1,1-Trichloroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - 1,1,2,2-Tetrachloroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - 1,1,2-Trichloroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - 1,1,2-Trichlorotrifluoroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - 1,1-Dichloroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - 1,1-Dichloroethylene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - 1,2,4-Trichlorobenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - 1,2-Dibromo-3-Chloropropane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - 1,2-Dichlorobenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - 1,2-Dichloroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - 1,2-Dichloropropane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - 1,3-Dichlorobenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - 1,4-Dichlorobenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - 1,4-Dioxane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - 2-Butanone (MEK)

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - 2-Hexanone

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - 4-Methyl-2-pentanone (MIBK)

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Result Comments

Matrix Spike Duplicate - 5412882 - Acetone

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Benzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Bromodichloromethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Bromoform

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Bromomethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Carbon Disulfide

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Carbon Tetrachloride

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Chlorobenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Chloroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Chloroform

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Chloromethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Cyclohexane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Dibromochloromethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Dichlorodifluoromethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Ethylbenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Ethylene Dibromide (EDB)

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Isopropylbenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Methyl Acetate

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Result Comments

Matrix Spike Duplicate - 5412882 - Methyl Cyclohexane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Methyl tert-butyl Ether (MTBE)

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Methylene Chloride

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Styrene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Tetrachloroethylene (PCE)

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Toluene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Trichloroethene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Trichlorofluoromethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Vinyl Chloride

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - Xylene (Total)

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - cis-1,2-Dichloroethylene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - cis-1,3-Dichloropropene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - trans-1,2-Dichloroethylene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5412882 - trans-1,3-Dichloropropylene

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
CVAj/2536 - DoD SW-846 7471A			
J2410906001	SB-16-1.5-2.5	DGMj/8774	SW-846 7471A
J2410906002	SB-16-4	DGMj/8774	SW-846 7471A
J2410906003	SB-11-2-4	DGMj/8774	SW-846 7471A
J2410906004	SB-11-8	DGMj/8774	SW-846 7471A
J2410906005	SB-12-0-2	DGMj/8774	SW-846 7471A
J2410906006	SB-13-0-4	DGMj/8774	SW-846 7471A
J2410906007	SB-13-6-7	DGMj/8774	SW-846 7471A
J2410906008	SB-14-6-7	DGMj/8774	SW-846 7471A
J2410906009	SB-15-0-4	DGMj/8774	SW-846 7471A
J2410906010	SB-15-8-9	DGMj/8774	SW-846 7471A
J2410906011	SB-14-0-4	DGMj/8774	SW-846 7471A
GCSj/6714 - DoD SW-846 8082A			
J2410906001	SB-16-1.5-2.5	EXTj/9630	DOD EPA 3546
J2410906002	SB-16-4	EXTj/9630	DOD EPA 3546
J2410906003	SB-11-2-4	EXTj/9630	DOD EPA 3546
J2410906004	SB-11-8	EXTj/9630	DOD EPA 3546
J2410906005	SB-12-0-2	EXTj/9630	DOD EPA 3546
J2410906006	SB-13-0-4	EXTj/9630	DOD EPA 3546
J2410906007	SB-13-6-7	EXTj/9630	DOD EPA 3546
J2410906008	SB-14-6-7	EXTj/9630	DOD EPA 3546
J2410906009	SB-15-0-4	EXTj/9630	DOD EPA 3546
J2410906010	SB-15-8-9	EXTj/9630	DOD EPA 3546
J2410906011	SB-14-0-4	EXTj/9630	DOD EPA 3546

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
GCSj/6717 - DOD SW-846 8081B			
J2410906001	SB-16-1.5-2.5	EXTj/9627	DOD EPA 3546
J2410906002	SB-16-4	EXTj/9627	DOD EPA 3546
J2410906003	SB-11-2-4	EXTj/9627	DOD EPA 3546
J2410906004	SB-11-8	EXTj/9627	DOD EPA 3546
J2410906005	SB-12-0-2	EXTj/9627	DOD EPA 3546
J2410906006	SB-13-0-4	EXTj/9627	DOD EPA 3546
J2410906007	SB-13-6-7	EXTj/9627	DOD EPA 3546
J2410906008	SB-14-6-7	EXTj/9627	DOD EPA 3546
J2410906009	SB-15-0-4	EXTj/9627	DOD EPA 3546
J2410906010	SB-15-8-9	EXTj/9627	DOD EPA 3546
J2410906011	SB-14-0-4	EXTj/9627	DOD EPA 3546
GCSj/6720 - DoD SW-846 8141B			
J2410906001	SB-16-1.5-2.5	EXTj/9629	DOD EPA 3546
J2410906002	SB-16-4	EXTj/9629	DOD EPA 3546
J2410906003	SB-11-2-4	EXTj/9629	DOD EPA 3546
J2410906004	SB-11-8	EXTj/9629	DOD EPA 3546
J2410906005	SB-12-0-2	EXTj/9629	DOD EPA 3546
J2410906006	SB-13-0-4	EXTj/9629	DOD EPA 3546
J2410906007	SB-13-6-7	EXTj/9629	DOD EPA 3546
J2410906008	SB-14-6-7	EXTj/9629	DOD EPA 3546
J2410906009	SB-15-0-4	EXTj/9629	DOD EPA 3546
J2410906010	SB-15-8-9	EXTj/9629	DOD EPA 3546
J2410906011	SB-14-0-4	EXTj/9629	DOD EPA 3546

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
ICMj/4562 - DoD SW-846 6020A			
J2410906001	SB-16-1.5-2.5	DGMj/8734	SW-846 3050B
J2410906002	SB-16-4	DGMj/8734	SW-846 3050B
J2410906003	SB-11-2-4	DGMj/8734	SW-846 3050B
J2410906004	SB-11-8	DGMj/8734	SW-846 3050B
J2410906005	SB-12-0-2	DGMj/8734	SW-846 3050B
J2410906006	SB-13-0-4	DGMj/8734	SW-846 3050B
J2410906007	SB-13-6-7	DGMj/8734	SW-846 3050B
J2410906008	SB-14-6-7	DGMj/8734	SW-846 3050B
J2410906009	SB-15-0-4	DGMj/8734	SW-846 3050B
J2410906010	SB-15-8-9	DGMj/8734	SW-846 3050B
J2410906011	SB-14-0-4	DGMj/8734	SW-846 3050B
ICPj/3743 - DoD SW-846 6010C			
J2410906001	SB-16-1.5-2.5	DGMj/8724	SW-846 3050B
J2410906002	SB-16-4	DGMj/8724	SW-846 3050B
J2410906003	SB-11-2-4	DGMj/8724	SW-846 3050B
J2410906004	SB-11-8	DGMj/8724	SW-846 3050B
J2410906005	SB-12-0-2	DGMj/8724	SW-846 3050B
J2410906006	SB-13-0-4	DGMj/8724	SW-846 3050B
J2410906007	SB-13-6-7	DGMj/8724	SW-846 3050B
J2410906008	SB-14-6-7	DGMj/8724	SW-846 3050B
J2410906009	SB-15-0-4	DGMj/8724	SW-846 3050B
J2410906010	SB-15-8-9	DGMj/8724	SW-846 3050B
J2410906011	SB-14-0-4	DGMj/8724	SW-846 3050B

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSSj/4154 - DoD SW-846 8270D			
J2410906001	SB-16-1.5-2.5	EXTj/9610	SW-846 3550B
J2410906002	SB-16-4	EXTj/9610	SW-846 3550B
J2410906003	SB-11-2-4	EXTj/9610	SW-846 3550B
J2410906004	SB-11-8	EXTj/9610	SW-846 3550B
J2410906005	SB-12-0-2	EXTj/9610	SW-846 3550B
J2410906006	SB-13-0-4	EXTj/9610	SW-846 3550B
J2410906007	SB-13-6-7	EXTj/9610	SW-846 3550B
J2410906008	SB-14-6-7	EXTj/9610	SW-846 3550B
J2410906009	SB-15-0-4	EXTj/9610	SW-846 3550B
J2410906010	SB-15-8-9	EXTj/9610	SW-846 3550B
J2410906011	SB-14-0-4	EXTj/9610	SW-846 3550B
MSVj/10281 - DoD SW-846 8260C			
J2410906001	SB-16-1.5-2.5	MSVj/10280	SW-846 5035
J2410906002	SB-16-4	MSVj/10280	SW-846 5035
J2410906003	SB-11-2-4	MSVj/10280	SW-846 5035
J2410906004	SB-11-8	MSVj/10280	SW-846 5035
J2410906005	SB-12-0-2	MSVj/10280	SW-846 5035
J2410906006	SB-13-0-4	MSVj/10280	SW-846 5035
J2410906007	SB-13-6-7	MSVj/10280	SW-846 5035
J2410906008	SB-14-6-7	MSVj/10280	SW-846 5035
J2410906009	SB-15-0-4	MSVj/10280	SW-846 5035
J2410906010	SB-15-8-9	MSVj/10280	SW-846 5035
J2410906011	SB-14-0-4	MSVj/10280	SW-846 5035

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Workorder: Rio Puerto Nuevo DMMA (J2410906)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCAj/15407 - SM 2540G			
J2410906001	SB-16-1.5-2.5		
J2410906002	SB-16-4		
J2410906003	SB-11-2-4		
J2410906004	SB-11-8		
J2410906005	SB-12-0-2		
J2410906006	SB-13-0-4		
J2410906007	SB-13-6-7		
J2410906008	SB-14-6-7		
J2410906009	SB-15-0-4		
J2410906010	SB-15-8-9		
J2410906011	SB-14-0-4		

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☐ **Fort Myers:** 13100 Westlinks Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: E84492
☑ **Jacksonville:** 6681 Southpoint Pkwy., FL 32216 • 904.363.9350 • Lab ID: E82574
☐ **Tallahassee:** 2639 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: E811095
☐ **Gainesville:**
☐ **Miramar:** 102
☐ **Tampa:** 9610

* J 2 4 1 0 9 0 6 *

Client Name:	Aerostar SES LLC	Project Name:	Rio Puerto Nuevo DMMA
Address:	3550 St Johns Bluff Rd South	Project Number:	117.24.1078.0001
	Jacksonville, FL 32224	PO Number:	
Phone:	904-565-2820	FDEP Facility No:	
FAX:		FDEP Facility Addr:	
Contact:	Rick Levin		
Sampled By:	Rick Levin	Special Instructions:	
Turn Around Time:	(Standard) Rush		
AEL Profile #:	78092	ADaPT EQuIS Other	

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	ANALYSIS REQUIRED: 8260 VOCs + 1,4 Dioxane (40 mL Vials, Preservation MeOH/DI, Field-Filtered N)	8270 TCL/8082/8081/8141 (8 oz Jar, Preservation Ice, Field-Filtered N)	PP Metals (6020/7470) (4 oz Jar, Preservation Ice, Field-Filtered N)	LABORATORY I.D. NUMBER
SB-16-1.5-2.5		C	7-23-24	0930	SO	6	X	X	X	001
SB-16-4		C	7-23-24	0950	SO	6	X	X	X	002
SB-11-2-4		C	7-23-24	1310	SO	6	X	X	X	003
SB-11-8		C	7-23-24	1325	SO	6	X	X	X	004
SB-12-0-2		C	7-23-24	1555	SO	6	X	X	X	005
SB-13-0.4		C	7/24/24	1010	SO	6	X	X	X	006
SB-13-6-7		C	7-24-24	1035	SO	6	X	X	X	007
SB-14-6-7		C	7/24/24	1215	SO	6	X	X	X	008
SB-15-0-4		C	7-24-24	1400	SO	6	X	X	X	009
SB-15-8-9		C	7-24-24	1445	SO	6	X	X	X	010

Matrix Code: **WW** = wastewater **SW** = surface water **GW** = ground water **DW** = drinking water **O** = oil **A** = air **SO** = soil **SL** = sludge

Preservation Code: I = ice H=(HCl) S = (H_2SO_4) N = (HNO_3) T = (Sodium Thiosulfate)

Received on Ice ☐ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temp. when received (observed) 2.2 °C Temp. when received (corrected) 2.2 °C

DCN: AD-D051web Form last revised 08/07/2019 Device used for measuring Temp by unique identifier (circle IR temp gun used) (J: 9A) G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A

	Relinquished by:	Date	Time	Received by:	Date	Time
1		7-25-24	0800	Fed Ex		
2	Fed Ex	7/25/24	0900		7/26/24	0900
3						
4						

FOR DRINKING WATER USE:

(When PWS Information not otherwise supplied) PWS ID:

Contact Person:

Supplier of Water:

Site-Address:

May 2025

Rio Puerto Nuevo Flood Control Project, Draft Supplemental Environmental Assessment, San Juan, PR

<1>

Advanced Environmental Labs Inc

Client: Aerostar

Project name: Rio Puerto Nuevo

Date/Time Rcvd: 7/26/2024 0900

Log-In request number: DMMA J2410906

Received by: AD

Completed by: Sandra Dwight

Cooler/Shipping Information:

Courier: ☐ AEL ☐ Client ☐ UPS ☐ Blue Streak ☑ FedEx ☐ AES ☐ ASAP ☐ Other (describe): _____

Type: ☑ Cooler ☐ Box ☐ Other (describe) _____

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

Cooler ID	1	2	3	4	5
Temp (°C)	2.2	2.7	1.9	2.1	0.9
Temp taken from	☐ Sample Bottle ☑ Cooler	☐ Sample Bottle ☑ Cooler	☐ Sample Bottle ☑ Cooler	☐ Sample Bottle ☑ Cooler	☐ Sample Bottle ☑ Cooler
Temp measured with	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID): J9A	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID): J9A	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID): J9A	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID): J9A	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID): J9A

Other Information:

Any discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact?	✓		
2. Were custody papers properly included with samples?	✓		
3. Were custody papers properly filled out (ink, signed, match labels)?	✓		
4. Did all bottles arrive in good condition (unbroken)?	✓		
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	✓		
6. Did the sample labels agree with the chain of custody?	✓	✓	
7. Were correct bottles used for the tests indicated?	✓		
8. Were proper sample preservation techniques indicated on the label?	✓		
9. Were samples received within holding times?	✓		
10. Were all VOA vials free of the presence of air bubbles?	✓		
11. Have all Soil VOA Vials and Encores been placed in a freezer within 48 hours of collection?			✓
12. Were samples in direct contact with wet ice? If "No," check one: ☐ NO ICE ☐ BLUE ICE	✓		
13. Was the cooler temperature less than 6°C?	✓		
14. Where pH preservation is required, are sample pHs checked and any anomalies recorded by Sample control? Are all <2 or >10? Note: VOA samples are checked by laboratory analysts.	✓		
15. Was sufficient sample volume provided to perform all tests?	✓		
16. If for Bacteriological testing, were containers supplied by AEL? (See QA officer if answer is no)			✓
17. Were all sample containers provided by AEL? (Other than Bacteriological)	✓		
18. Were samples accepted into the laboratory?	✓		
19. When necessary to split samples into other bottles, is it noted in the comments?	✓		
20. Where Encores received and if so, how many?		✓	

Comments: (Note all sample(s) and container (s)" with a "No" checklist response in this comment section)

SB-M-0-4 (7-24-24 1145) Was not listed on COC

DCN: AD-D048
Eff date 2/3/10, Last rev 2/3/21

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6681 Southpoint Pkwy Jacksonville, FL 32216
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

August 28, 2024

Rick Levin
Aerostar SES LLC (ASL)
3550 St Johns Bluff Road South
Jacksonville, FL 32224

RE: Workorder: J2411208 Bechara Lands/Rio Puerto Nuevo

Dear Rick Levin:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday August 1, 2024. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christina M. Tompkins

Chris Tompkins, Project Manager
CTompkins@aellab.com

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
J2411208001	SB-18-0-2	SO	DOD SW-846 8081B	07/29/2024 09:30	08/01/2024 09:00	22	Dry
J2411208001	SB-18-0-2	SO	DoD SW-846 6010C	07/29/2024 09:30	08/01/2024 09:00	12	Dry
J2411208001	SB-18-0-2	SO	DoD SW-846 6020A	07/29/2024 09:30	08/01/2024 09:00	1	Dry
J2411208001	SB-18-0-2	SO	DoD SW-846 7471A	07/29/2024 09:30	08/01/2024 09:00	1	Dry
J2411208001	SB-18-0-2	SO	DoD SW-846 8082A	07/29/2024 09:30	08/01/2024 09:00	9	Dry
J2411208001	SB-18-0-2	SO	DoD SW-846 8141B	07/29/2024 09:30	08/01/2024 09:00	25	Dry
J2411208001	SB-18-0-2	SO	DoD SW-846 8260C	07/29/2024 09:30	08/01/2024 09:00	49	Dry
J2411208001	SB-18-0-2	SO	DoD SW-846 8270D	07/29/2024 09:30	08/01/2024 09:00	65	Dry
J2411208001	SB-18-0-2	SO	SM 2540G	07/29/2024 09:30	08/01/2024 09:00	1	Dry
J2411208002	SB-18-8-9	SO	DOD SW-846 8081B	07/29/2024 09:50	08/01/2024 09:00	22	Dry
J2411208002	SB-18-8-9	SO	DoD SW-846 6010C	07/29/2024 09:50	08/01/2024 09:00	12	Dry
J2411208002	SB-18-8-9	SO	DoD SW-846 6020A	07/29/2024 09:50	08/01/2024 09:00	1	Dry
J2411208002	SB-18-8-9	SO	DoD SW-846 7471A	07/29/2024 09:50	08/01/2024 09:00	1	Dry
J2411208002	SB-18-8-9	SO	DoD SW-846 8082A	07/29/2024 09:50	08/01/2024 09:00	9	Dry
J2411208002	SB-18-8-9	SO	DoD SW-846 8141B	07/29/2024 09:50	08/01/2024 09:00	25	Dry
J2411208002	SB-18-8-9	SO	DoD SW-846 8260C	07/29/2024 09:50	08/01/2024 09:00	49	Dry
J2411208002	SB-18-8-9	SO	DoD SW-846 8270D	07/29/2024 09:50	08/01/2024 09:00	65	Dry
J2411208002	SB-18-8-9	SO	SM 2540G	07/29/2024 09:50	08/01/2024 09:00	1	Dry
J2411208003	SB-7-0-2	SO	DOD SW-846 8081B	07/29/2024 11:05	08/01/2024 09:00	22	Dry
J2411208003	SB-7-0-2	SO	DoD SW-846 6010C	07/29/2024 11:05	08/01/2024 09:00	12	Dry
J2411208003	SB-7-0-2	SO	DoD SW-846 6020A	07/29/2024 11:05	08/01/2024 09:00	1	Dry
J2411208003	SB-7-0-2	SO	DoD SW-846 7471A	07/29/2024 11:05	08/01/2024 09:00	1	Dry
J2411208003	SB-7-0-2	SO	DoD SW-846 8082A	07/29/2024 11:05	08/01/2024 09:00	9	Dry
J2411208003	SB-7-0-2	SO	DoD SW-846 8141B	07/29/2024 11:05	08/01/2024 09:00	25	Dry
J2411208003	SB-7-0-2	SO	DoD SW-846 8260C	07/29/2024 11:05	08/01/2024 09:00	49	Dry
J2411208003	SB-7-0-2	SO	DoD SW-846 8270D	07/29/2024 11:05	08/01/2024 09:00	65	Dry
J2411208003	SB-7-0-2	SO	SM 2540G	07/29/2024 11:05	08/01/2024 09:00	1	Dry
J2411208004	SB-7-8-9	SO	DOD SW-846 8081B	07/29/2024 11:40	08/01/2024 09:00	22	Dry
J2411208004	SB-7-8-9	SO	DoD SW-846 6010C	07/29/2024 11:40	08/01/2024 09:00	12	Dry
J2411208004	SB-7-8-9	SO	DoD SW-846 6020A	07/29/2024 11:40	08/01/2024 09:00	1	Dry
J2411208004	SB-7-8-9	SO	DoD SW-846 7471A	07/29/2024 11:40	08/01/2024 09:00	1	Dry
J2411208004	SB-7-8-9	SO	DoD SW-846 8082A	07/29/2024 11:40	08/01/2024 09:00	9	Dry
J2411208004	SB-7-8-9	SO	DoD SW-846 8141B	07/29/2024 11:40	08/01/2024 09:00	25	Dry
J2411208004	SB-7-8-9	SO	DoD SW-846 8260C	07/29/2024 11:40	08/01/2024 09:00	49	Dry
J2411208004	SB-7-8-9	SO	DoD SW-846 8270D	07/29/2024 11:40	08/01/2024 09:00	65	Dry

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
J2411208004	SB-7-8-9	SO	SM 2540G	07/29/2024 11:40	08/01/2024 09:00	1	Dry
J2411208005	SB-8-0-2	SO	DOD SW-846 8081B	07/29/2024 13:15	08/01/2024 09:00	22	Dry
J2411208005	SB-8-0-2	SO	DoD SW-846 6010C	07/29/2024 13:15	08/01/2024 09:00	12	Dry
J2411208005	SB-8-0-2	SO	DoD SW-846 6020A	07/29/2024 13:15	08/01/2024 09:00	1	Dry
J2411208005	SB-8-0-2	SO	DoD SW-846 7471A	07/29/2024 13:15	08/01/2024 09:00	1	Dry
J2411208005	SB-8-0-2	SO	DoD SW-846 8082A	07/29/2024 13:15	08/01/2024 09:00	9	Dry
J2411208005	SB-8-0-2	SO	DoD SW-846 8141B	07/29/2024 13:15	08/01/2024 09:00	25	Dry
J2411208005	SB-8-0-2	SO	DoD SW-846 8260C	07/29/2024 13:15	08/01/2024 09:00	49	Dry
J2411208005	SB-8-0-2	SO	DoD SW-846 8270D	07/29/2024 13:15	08/01/2024 09:00	65	Dry
J2411208005	SB-8-0-2	SO	SM 2540G	07/29/2024 13:15	08/01/2024 09:00	1	Dry
J2411208006	SB-8-5-6	SO	DOD SW-846 8081B	07/29/2024 13:45	08/01/2024 09:00	22	Dry
J2411208006	SB-8-5-6	SO	DoD SW-846 6010C	07/29/2024 13:45	08/01/2024 09:00	12	Dry
J2411208006	SB-8-5-6	SO	DoD SW-846 6020A	07/29/2024 13:45	08/01/2024 09:00	1	Dry
J2411208006	SB-8-5-6	SO	DoD SW-846 7471A	07/29/2024 13:45	08/01/2024 09:00	1	Dry
J2411208006	SB-8-5-6	SO	DoD SW-846 8082A	07/29/2024 13:45	08/01/2024 09:00	9	Dry
J2411208006	SB-8-5-6	SO	DoD SW-846 8141B	07/29/2024 13:45	08/01/2024 09:00	25	Dry
J2411208006	SB-8-5-6	SO	DoD SW-846 8260C	07/29/2024 13:45	08/01/2024 09:00	49	Dry
J2411208006	SB-8-5-6	SO	DoD SW-846 8270D	07/29/2024 13:45	08/01/2024 09:00	65	Dry
J2411208006	SB-8-5-6	SO	SM 2540G	07/29/2024 13:45	08/01/2024 09:00	1	Dry
J2411208007	SB-9-0-2	SO	DOD SW-846 8081B	07/30/2024 10:10	08/01/2024 09:00	22	Dry
J2411208007	SB-9-0-2	SO	DoD SW-846 6010C	07/30/2024 10:10	08/01/2024 09:00	12	Dry
J2411208007	SB-9-0-2	SO	DoD SW-846 6020A	07/30/2024 10:10	08/01/2024 09:00	1	Dry
J2411208007	SB-9-0-2	SO	DoD SW-846 7471A	07/30/2024 10:10	08/01/2024 09:00	1	Dry
J2411208007	SB-9-0-2	SO	DoD SW-846 8082A	07/30/2024 10:10	08/01/2024 09:00	9	Dry
J2411208007	SB-9-0-2	SO	DoD SW-846 8141B	07/30/2024 10:10	08/01/2024 09:00	25	Dry
J2411208007	SB-9-0-2	SO	DoD SW-846 8260C	07/30/2024 10:10	08/01/2024 09:00	49	Dry
J2411208007	SB-9-0-2	SO	DoD SW-846 8270D	07/30/2024 10:10	08/01/2024 09:00	65	Dry
J2411208007	SB-9-0-2	SO	SM 2540G	07/30/2024 10:10	08/01/2024 09:00	1	Dry
J2411208008	SB-9-7-8	SO	DOD SW-846 8081B	07/30/2024 10:40	08/01/2024 09:00	22	Dry
J2411208008	SB-9-7-8	SO	DoD SW-846 6010C	07/30/2024 10:40	08/01/2024 09:00	12	Dry
J2411208008	SB-9-7-8	SO	DoD SW-846 6020A	07/30/2024 10:40	08/01/2024 09:00	1	Dry
J2411208008	SB-9-7-8	SO	DoD SW-846 7471A	07/30/2024 10:40	08/01/2024 09:00	1	Dry
J2411208008	SB-9-7-8	SO	DoD SW-846 8082A	07/30/2024 10:40	08/01/2024 09:00	9	Dry
J2411208008	SB-9-7-8	SO	DoD SW-846 8141B	07/30/2024 10:40	08/01/2024 09:00	25	Dry
J2411208008	SB-9-7-8	SO	DoD SW-846 8260C	07/30/2024 10:40	08/01/2024 09:00	49	Dry

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
J2411208008	SB-9-7-8	SO	DoD SW-846 8270D	07/30/2024 10:40	08/01/2024 09:00	65	Dry
J2411208008	SB-9-7-8	SO	SM 2540G	07/30/2024 10:40	08/01/2024 09:00	1	Dry
J2411208009	SB-5-0-2	SO	DOD SW-846 8081B	07/30/2024 11:45	08/01/2024 09:00	22	Dry
J2411208009	SB-5-0-2	SO	DoD SW-846 6010C	07/30/2024 11:45	08/01/2024 09:00	12	Dry
J2411208009	SB-5-0-2	SO	DoD SW-846 6020A	07/30/2024 11:45	08/01/2024 09:00	1	Dry
J2411208009	SB-5-0-2	SO	DoD SW-846 7471A	07/30/2024 11:45	08/01/2024 09:00	1	Dry
J2411208009	SB-5-0-2	SO	DoD SW-846 8082A	07/30/2024 11:45	08/01/2024 09:00	9	Dry
J2411208009	SB-5-0-2	SO	DoD SW-846 8141B	07/30/2024 11:45	08/01/2024 09:00	25	Dry
J2411208009	SB-5-0-2	SO	DoD SW-846 8260C	07/30/2024 11:45	08/01/2024 09:00	49	Dry
J2411208009	SB-5-0-2	SO	DoD SW-846 8270D	07/30/2024 11:45	08/01/2024 09:00	65	Dry
J2411208009	SB-5-0-2	SO	SM 2540G	07/30/2024 11:45	08/01/2024 09:00	1	Dry
J2411208010	SB-5-6-7	SO	DOD SW-846 8081B	07/30/2024 12:05	08/01/2024 09:00	22	Dry
J2411208010	SB-5-6-7	SO	DoD SW-846 6010C	07/30/2024 12:05	08/01/2024 09:00	12	Dry
J2411208010	SB-5-6-7	SO	DoD SW-846 6020A	07/30/2024 12:05	08/01/2024 09:00	1	Dry
J2411208010	SB-5-6-7	SO	DoD SW-846 7471A	07/30/2024 12:05	08/01/2024 09:00	1	Dry
J2411208010	SB-5-6-7	SO	DoD SW-846 8082A	07/30/2024 12:05	08/01/2024 09:00	9	Dry
J2411208010	SB-5-6-7	SO	DoD SW-846 8141B	07/30/2024 12:05	08/01/2024 09:00	25	Dry
J2411208010	SB-5-6-7	SO	DoD SW-846 8260C	07/30/2024 12:05	08/01/2024 09:00	49	Dry
J2411208010	SB-5-6-7	SO	DoD SW-846 8270D	07/30/2024 12:05	08/01/2024 09:00	65	Dry
J2411208010	SB-5-6-7	SO	SM 2540G	07/30/2024 12:05	08/01/2024 09:00	1	Dry
J2411208011	SB-4-0-2	SO	DOD SW-846 8081B	07/30/2024 14:10	08/01/2024 09:00	22	Dry
J2411208011	SB-4-0-2	SO	DoD SW-846 6010C	07/30/2024 14:10	08/01/2024 09:00	12	Dry
J2411208011	SB-4-0-2	SO	DoD SW-846 6020A	07/30/2024 14:10	08/01/2024 09:00	1	Dry
J2411208011	SB-4-0-2	SO	DoD SW-846 7471A	07/30/2024 14:10	08/01/2024 09:00	1	Dry
J2411208011	SB-4-0-2	SO	DoD SW-846 8082A	07/30/2024 14:10	08/01/2024 09:00	9	Dry
J2411208011	SB-4-0-2	SO	DoD SW-846 8141B	07/30/2024 14:10	08/01/2024 09:00	25	Dry
J2411208011	SB-4-0-2	SO	DoD SW-846 8260C	07/30/2024 14:10	08/01/2024 09:00	49	Dry
J2411208011	SB-4-0-2	SO	DoD SW-846 8270D	07/30/2024 14:10	08/01/2024 09:00	65	Dry
J2411208011	SB-4-0-2	SO	SM 2540G	07/30/2024 14:10	08/01/2024 09:00	1	Dry
J2411208012	SB-4-4-5	SO	DOD SW-846 8081B	07/30/2024 14:35	08/01/2024 09:00	22	Dry
J2411208012	SB-4-4-5	SO	DoD SW-846 6010C	07/30/2024 14:35	08/01/2024 09:00	12	Dry
J2411208012	SB-4-4-5	SO	DoD SW-846 6020A	07/30/2024 14:35	08/01/2024 09:00	1	Dry
J2411208012	SB-4-4-5	SO	DoD SW-846 7471A	07/30/2024 14:35	08/01/2024 09:00	1	Dry
J2411208012	SB-4-4-5	SO	DoD SW-846 8082A	07/30/2024 14:35	08/01/2024 09:00	9	Dry
J2411208012	SB-4-4-5	SO	DoD SW-846 8141B	07/30/2024 14:35	08/01/2024 09:00	25	Dry

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
J2411208012	SB-4-4-5	SO	DoD SW-846 8260C	07/30/2024 14:35	08/01/2024 09:00	49	Dry
J2411208012	SB-4-4-5	SO	DoD SW-846 8270D	07/30/2024 14:35	08/01/2024 09:00	65	Dry
J2411208012	SB-4-4-5	SO	SM 2540G	07/30/2024 14:35	08/01/2024 09:00	1	Dry
J2411208013	SB-10-0-2	SO	DOD SW-846 8081B	07/31/2024 09:10	08/01/2024 09:00	22	Dry
J2411208013	SB-10-0-2	SO	DoD SW-846 6010C	07/31/2024 09:10	08/01/2024 09:00	12	Dry
J2411208013	SB-10-0-2	SO	DoD SW-846 6020A	07/31/2024 09:10	08/01/2024 09:00	1	Dry
J2411208013	SB-10-0-2	SO	DoD SW-846 7471A	07/31/2024 09:10	08/01/2024 09:00	1	Dry
J2411208013	SB-10-0-2	SO	DoD SW-846 8082A	07/31/2024 09:10	08/01/2024 09:00	9	Dry
J2411208013	SB-10-0-2	SO	DoD SW-846 8141B	07/31/2024 09:10	08/01/2024 09:00	25	Dry
J2411208013	SB-10-0-2	SO	DoD SW-846 8260C	07/31/2024 09:10	08/01/2024 09:00	49	Dry
J2411208013	SB-10-0-2	SO	DoD SW-846 8270D	07/31/2024 09:10	08/01/2024 09:00	65	Dry
J2411208013	SB-10-0-2	SO	SM 2540G	07/31/2024 09:10	08/01/2024 09:00	1	Dry
J2411208014	SB-3-0-2	SO	DOD SW-846 8081B	07/31/2024 11:15	08/01/2024 09:00	22	Dry
J2411208014	SB-3-0-2	SO	DoD SW-846 6010C	07/31/2024 11:15	08/01/2024 09:00	12	Dry
J2411208014	SB-3-0-2	SO	DoD SW-846 6020A	07/31/2024 11:15	08/01/2024 09:00	1	Dry
J2411208014	SB-3-0-2	SO	DoD SW-846 7471A	07/31/2024 11:15	08/01/2024 09:00	1	Dry
J2411208014	SB-3-0-2	SO	DoD SW-846 8082A	07/31/2024 11:15	08/01/2024 09:00	9	Dry
J2411208014	SB-3-0-2	SO	DoD SW-846 8141B	07/31/2024 11:15	08/01/2024 09:00	25	Dry
J2411208014	SB-3-0-2	SO	DoD SW-846 8260C	07/31/2024 11:15	08/01/2024 09:00	49	Dry
J2411208014	SB-3-0-2	SO	DoD SW-846 8270D	07/31/2024 11:15	08/01/2024 09:00	65	Dry
J2411208014	SB-3-0-2	SO	SM 2540G	07/31/2024 11:15	08/01/2024 09:00	1	Dry
J2411208015	SB-3-6-7	SO	DOD SW-846 8081B	07/31/2024 11:40	08/01/2024 09:00	22	Dry
J2411208015	SB-3-6-7	SO	DoD SW-846 6010C	07/31/2024 11:40	08/01/2024 09:00	12	Dry
J2411208015	SB-3-6-7	SO	DoD SW-846 6020A	07/31/2024 11:40	08/01/2024 09:00	1	Dry
J2411208015	SB-3-6-7	SO	DoD SW-846 7471A	07/31/2024 11:40	08/01/2024 09:00	1	Dry
J2411208015	SB-3-6-7	SO	DoD SW-846 8082A	07/31/2024 11:40	08/01/2024 09:00	9	Dry
J2411208015	SB-3-6-7	SO	DoD SW-846 8141B	07/31/2024 11:40	08/01/2024 09:00	25	Dry
J2411208015	SB-3-6-7	SO	DoD SW-846 8260C	07/31/2024 11:40	08/01/2024 09:00	49	Dry
J2411208015	SB-3-6-7	SO	DoD SW-846 8270D	07/31/2024 11:40	08/01/2024 09:00	65	Dry
J2411208015	SB-3-6-7	SO	SM 2540G	07/31/2024 11:40	08/01/2024 09:00	1	Dry

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Workorder Summary

Analysis Results Comments

J2411208002 (SB-18-8-9) - Mercury

J2411208002 was analyzed at dilution due to high mercury levels. The lowest possible dilution was performed to allow the analyte value to be within the calibration curve's highest level and to prevent possible carry over in the following sample analyses.

J2411208010 (SB-5-6-7) - alpha-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results Qualifiers

Parameter Qualifiers

U	The compound was analyzed for but not detected.
J	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
Q	One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Q	One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).
J	The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Lab Qualifiers

J	DOH Certification #E82574 (FL NELAC) AEL-Jacksonville DOD-ELAP Certification #L23-514 (ISO/IEC 17025:2017) AEL-Jacksonville

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208001 **Date Collected:** 07/29/2024 09:30 **Matrix:** Soil
Sample ID: SB-18-0-2 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.3U	mg/Kg	0.66	1.3	2.6	1	08/07/2024 11:06	08/07/2024 19:40	J
Barium	**84**	mg/Kg	3.3	6.6	13	5	08/07/2024 11:06	08/09/2024 02:14	J
Cadmium	**0.55**	mg/Kg	0.066	0.13	0.26	1	08/07/2024 11:06	08/07/2024 19:40	J
Copper	**180**	mg/Kg	0.66	1.3	2.6	1	08/07/2024 11:06	08/07/2024 19:40	J
Nickel	**8.2**	mg/Kg	0.66	1.3	2.6	1	08/07/2024 11:06	08/07/2024 19:40	J
Silver	0.60J	mg/Kg	0.26	0.53	1.1	1	08/07/2024 11:06	08/07/2024 19:40	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.12U	mg/Kg	0.060	0.12	0.24	10	08/06/2024 07:15	08/07/2024 10:06	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.19**	mg/Kg	0.0016	0.0032	0.0064	1	08/12/2024 10:19	08/12/2024 13:52	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.011U	mg/Kg	0.0053	0.011	0.021	5	08/05/2024 09:00	08/06/2024 18:17	J
4,4`-DDE	0.011U	mg/Kg	0.0053	0.011	0.021	5	08/05/2024 09:00	08/06/2024 18:17	J
4,4`-DDT	0.11U	mg/Kg	0.053	0.11	0.21	25	08/05/2024 09:00	08/07/2024 20:59	J
Aldrin	0.011U	mg/Kg	0.0053	0.011	0.021	5	08/05/2024 09:00	08/06/2024 18:17	J
Chlordane (technical)	0.19U	mg/Kg	0.096	0.19	0.38	5	08/05/2024 09:00	08/06/2024 18:17	J
Dieldrin	0.011U	mg/Kg	0.0053	0.011	0.021	5	08/05/2024 09:00	08/06/2024 18:17	J
Endosulfan I	0.011U	mg/Kg	0.0053	0.011	0.021	5	08/05/2024 09:00	08/06/2024 18:17	J
Endosulfan II	0.011U	mg/Kg	0.0053	0.011	0.021	5	08/05/2024 09:00	08/06/2024 18:17	J
Endosulfan Sulfate	0.011U	mg/Kg	0.0053	0.011	0.021	5	08/05/2024 09:00	08/06/2024 18:17	J
Endrin	0.021U	mg/Kg	0.011	0.021	0.042	5	08/05/2024 09:00	08/06/2024 18:17	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208001 **Date Collected:** 07/29/2024 09:30 **Matrix:** Soil
Sample ID: SB-18-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.011U	mg/Kg	0.0053	0.011	0.021	5	08/05/2024 09:00	08/06/2024 18:17	J
Endrin ketone	0.011U	mg/Kg	0.0053	0.011	0.021	5	08/05/2024 09:00	08/06/2024 18:17	J
Heptachlor	0.011U	mg/Kg	0.0053	0.011	0.021	5	08/05/2024 09:00	08/06/2024 18:17	J
Heptachlor Epoxide	0.011U	mg/Kg	0.0053	0.011	0.021	5	08/05/2024 09:00	08/06/2024 18:17	J
Methoxychlor	0.011U	mg/Kg	0.0053	0.011	0.021	5	08/05/2024 09:00	08/06/2024 18:17	J
Toxaphene	1.6U	mg/Kg	0.80	1.6	3.2	25	08/05/2024 09:00	08/07/2024 20:59	J
alpha-BHC	0.011U	mg/Kg	0.0053	0.011	0.021	5	08/05/2024 09:00	08/06/2024 18:17	J
alpha-Chlordane	0.021U	mg/Kg	0.016	0.021	0.042	5	08/05/2024 09:00	08/06/2024 18:17	J
beta-BHC	0.011U	mg/Kg	0.0053	0.011	0.021	5	08/05/2024 09:00	08/06/2024 18:17	J
delta-BHC	0.011U	mg/Kg	0.0053	0.011	0.021	5	08/05/2024 09:00	08/06/2024 18:17	J
gamma-BHC (Lindane)	0.011U	mg/Kg	0.0053	0.011	0.021	5	08/05/2024 09:00	08/06/2024 18:17	J
gamma-Chlordane	0.021U	mg/Kg	0.011	0.021	0.042	5	08/05/2024 09:00	08/06/2024 18:17	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.32U	mg/Kg	0.16	0.32	0.64	5	08/05/2024 09:00	08/07/2024 01:09	J
Aroclor 1221 (PCB-1221)	0.32U	mg/Kg	0.16	0.32	0.64	5	08/05/2024 09:00	08/07/2024 01:09	J
Aroclor 1232 (PCB-1232)	0.32U	mg/Kg	0.16	0.32	0.64	5	08/05/2024 09:00	08/07/2024 01:09	J
Aroclor 1242 (PCB-1242)	0.32U	mg/Kg	0.16	0.32	0.64	5	08/05/2024 09:00	08/07/2024 01:09	J
Aroclor 1248 (PCB-1248)	0.32U	mg/Kg	0.16	0.32	0.64	5	08/05/2024 09:00	08/07/2024 01:09	J
Aroclor 1254 (PCB-1254)	0.32U	mg/Kg	0.16	0.32	0.64	5	08/05/2024 09:00	08/07/2024 01:09	J
Aroclor 1260 (PCB-1260)	0.32U	mg/Kg	0.16	0.32	0.64	5	08/05/2024 09:00	08/07/2024 01:09	J
Aroclor 1262 (PCB-1262)	0.32U	mg/Kg	0.16	0.32	0.64	5	08/05/2024 09:00	08/07/2024 01:09	J
Aroclor 1268 (PCB-1268)	0.32U	mg/Kg	0.16	0.32	0.64	5	08/05/2024 09:00	08/07/2024 01:09	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J
Azinphos-methyl	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J
Chlorpyrifos	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J
Chlorpyrifos-methyl	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208001 **Date Collected:** 07/29/2024 09:30 **Matrix:** Soil
Sample ID: SB-18-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J
Demeton-O	21U	ug/Kg	11	21	42	1	08/05/2024 09:00	08/09/2024 05:58	J
Demeton-S	21U	ug/Kg	11	21	42	1	08/05/2024 09:00	08/09/2024 05:58	J
Diazinon	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J
Dimethoate	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J
Disulfoton	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J
Ethion	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J
Ethoprop	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J
Famphur	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J
Fensulfothion	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J
Fonophos	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J
Malathion	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J
Merphos	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J
Methyl Parathion	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J
Mevinphos	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J
Parathion (Ethyl)	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J
Phorate	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J
Phosmet	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J
Ronnel	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J
Simazine	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J
Sulfotep	42U	ug/Kg	21	42	85	1	08/05/2024 09:00	08/09/2024 05:58	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
2,4,6-Trichlorophenol	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
2,4-Dichlorophenol	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
2,4-Dimethylphenol	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
2,4-Dinitrophenol	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208001 **Date Collected:** 07/29/2024 09:30 **Matrix:** Soil
Sample ID: SB-18-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
2,6-Dinitrotoluene (2,6-DNT)	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
2-Chloronaphthalene	0.43U	mg/Kg	0.22	0.43	0.87	1	08/04/2024 08:00	08/06/2024 17:20	J
2-Chlorophenol	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
2-Methyl-4,6-dinitrophenol	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
2-Methylnaphthalene	0.013U	mg/Kg	0.0065	0.013	0.026	1	08/04/2024 08:00	08/06/2024 17:20	J
2-Methylphenol (o-Cresol)	0.43U	mg/Kg	0.22	0.43	0.87	1	08/04/2024 08:00	08/06/2024 17:20	J
2-Nitroaniline	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
2-Nitrophenol	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
3+4-Methylphenol(mp-Cresol)	0.43U	mg/Kg	0.22	0.43	0.87	1	08/04/2024 08:00	08/06/2024 17:20	J
3,3`-Dichlorobenzidine	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
3-Nitroaniline	0.43U	mg/Kg	0.22	0.43	0.87	1	08/04/2024 08:00	08/06/2024 17:20	J
4-Bromophenyl Phenyl Ether	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
4-Chloro-3-methylphenol	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
4-Chloroaniline	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
4-Chlorophenyl Phenyl Ether	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
4-Nitroaniline	0.43U	mg/Kg	0.22	0.43	0.87	1	08/04/2024 08:00	08/06/2024 17:20	J
4-Nitrophenol	0.43U	mg/Kg	0.22	0.43	0.87	1	08/04/2024 08:00	08/06/2024 17:20	J
Acenaphthene	0.013U	mg/Kg	0.0065	0.013	0.026	1	08/04/2024 08:00	08/06/2024 17:20	J
Acenaphthylene	0.013U	mg/Kg	0.0065	0.013	0.026	1	08/04/2024 08:00	08/06/2024 17:20	J
Acetophenone	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
Anthracene	0.013U	mg/Kg	0.0065	0.013	0.026	1	08/04/2024 08:00	08/06/2024 17:20	J
Atrazine	0.43U	mg/Kg	0.22	0.43	0.87	1	08/04/2024 08:00	08/06/2024 17:20	J
Benzaldehyde	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
Benzo[a]anthracene	0.013U	mg/Kg	0.0065	0.013	0.026	1	08/04/2024 08:00	08/06/2024 17:20	J
Benzo[a]pyrene	0.021U	mg/Kg	0.010	0.021	0.042	1	08/04/2024 08:00	08/06/2024 17:20	J
Benzo[b]fluoranthene	0.013U	mg/Kg	0.0065	0.013	0.026	1	08/04/2024 08:00	08/06/2024 17:20	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208001 **Date Collected:** 07/29/2024 09:30 **Matrix:** Soil
Sample ID: SB-18-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.013U	mg/Kg	0.0065	0.013	0.026	1	08/04/2024 08:00	08/06/2024 17:20	J
Benzo[k]fluoranthene	0.013U	mg/Kg	0.0065	0.013	0.026	1	08/04/2024 08:00	08/06/2024 17:20	J
Biphenyl	0.43U	mg/Kg	0.22	0.43	0.87	1	08/04/2024 08:00	08/06/2024 17:20	J
Butyl benzyl phthalate	0.43U	mg/Kg	0.22	0.43	0.87	1	08/04/2024 08:00	08/06/2024 17:20	J
Caprolactam	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
Carbazole	0.013U	mg/Kg	0.0065	0.013	0.026	1	08/04/2024 08:00	08/06/2024 17:20	J
Chrysene	0.013U	mg/Kg	0.0065	0.013	0.026	1	08/04/2024 08:00	08/06/2024 17:20	J
Di-n-Butyl Phthalate	0.43U	mg/Kg	0.22	0.43	0.87	1	08/04/2024 08:00	08/06/2024 17:20	J
Di-n-octyl Phthalate	0.43U	mg/Kg	0.22	0.43	0.87	1	08/04/2024 08:00	08/06/2024 17:20	J
Dibenzo[a,h]anthracene	0.013U	mg/Kg	0.0065	0.013	0.026	1	08/04/2024 08:00	08/06/2024 17:20	J
Dibenzofuran	0.013U	mg/Kg	0.0065	0.013	0.026	1	08/04/2024 08:00	08/06/2024 17:20	J
Diethyl phthalate	0.43U	mg/Kg	0.22	0.43	0.87	1	08/04/2024 08:00	08/06/2024 17:20	J
Dimethyl phthalate	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
Fluoranthene	0.013U	mg/Kg	0.0065	0.013	0.026	1	08/04/2024 08:00	08/06/2024 17:20	J
Fluorene	0.013U	mg/Kg	0.0065	0.013	0.026	1	08/04/2024 08:00	08/06/2024 17:20	J
Hexachlorobenzene	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
Hexachlorobutadiene	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
Hexachlorocyclopentadiene	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
Hexachloroethane	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
Indeno(1,2,3-cd)pyrene	0.013U	mg/Kg	0.0065	0.013	0.026	1	08/04/2024 08:00	08/06/2024 17:20	J
Isophorone	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
N-Nitrosodi-n-propylamine	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
N-Nitrosodiphenylamine	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
Naphthalene	0.013U	mg/Kg	0.0065	0.013	0.026	1	08/04/2024 08:00	08/06/2024 17:20	J
Nitrobenzene	0.43U	mg/Kg	0.22	0.43	0.87	1	08/04/2024 08:00	08/06/2024 17:20	J
Pentachlorophenol	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
Phenanthrene	0.013U	mg/Kg	0.0065	0.013	0.026	1	08/04/2024 08:00	08/06/2024 17:20	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208001 **Date Collected:** 07/29/2024 09:30 **Matrix:** Soil
Sample ID: SB-18-0-2 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	0.43U	mg/Kg	0.22	0.43	0.87	1	08/04/2024 08:00	08/06/2024 17:20	J
Pyrene	0.013U	mg/Kg	0.0065	0.013	0.026	1	08/04/2024 08:00	08/06/2024 17:20	J
bis(2-Chloroethyl)Ether	0.22U	mg/Kg	0.11	0.22	0.43	1	08/04/2024 08:00	08/06/2024 17:20	J
bis(2-Ethylhexyl) phthalate	0.43U	mg/Kg	0.22	0.43	0.87	1	08/04/2024 08:00	08/06/2024 17:20	J
(SM 2540G)									
Percent Moisture	**24**	%		0.0010	0.0010	1	08/07/2024 16:38	08/07/2024 16:38	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
1,1,2,2-Tetrachloroethane	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
1,1,2-Trichloroethane	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
1,1,2-Trichlorotrifluoroethane	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
1,1-Dichloroethane	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
1,1-Dichloroethylene	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
1,2,4-Trichlorobenzene	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
1,2-Dibromo-3-Chloropropane	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
1,2-Dichlorobenzene	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
1,2-Dichloroethane	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
1,2-Dichloropropane	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
1,3-Dichlorobenzene	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
1,4-Dichlorobenzene	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
1,4-Dioxane	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
2-Butanone (MEK)	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208001 **Date Collected:** 07/29/2024 09:30 **Matrix:** Soil
Sample ID: SB-18-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2-Hexanone	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
4-Methyl-2-pentanone (MIBK)	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Acetone	0.0062J	mg/Kg	0.0017	0.0034	0.0069	1	08/07/2024 11:51	08/07/2024 13:08	J
Benzene	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Bromodichloromethane	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Bromoform	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Bromomethane	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Carbon Disulfide	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Carbon Tetrachloride	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Chlorobenzene	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Chloroethane	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Chloroform	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Chloromethane	0.0034U	mg/Kg	0.0017	0.0034	0.0069	1	08/07/2024 11:51	08/07/2024 13:08	J
Cyclohexane	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Dibromochloromethane	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Dichlorodifluoromethane	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Ethylbenzene	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Ethylene Dibromide (EDB)	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Isopropylbenzene	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Methyl Acetate	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Methyl Cyclohexane	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Methyl tert-butyl Ether (MTBE)	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208001 **Date Collected:** 07/29/2024 09:30 **Matrix:** Soil
Sample ID: SB-18-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Methylene Chloride	0.0034U	mg/Kg	0.0017	0.0034	0.0069	1	08/07/2024 11:51	08/07/2024 13:08	J
Styrene	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Tetrachloroethylene (PCE)	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Toluene	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Trichloroethene	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Trichlorofluoromethane	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Vinyl Chloride	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
Xylene (Total)	0.0051U	mg/Kg	0.0026	0.0051	0.010	1	08/07/2024 11:51	08/07/2024 13:08	J
cis-1,2-Dichloroethylene	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
cis-1,3-Dichloropropene	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
trans-1,2-Dichloroethylene	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J
trans-1,3-Dichloropropylene	0.0017U	mg/Kg	0.00086	0.0017	0.0034	1	08/07/2024 11:51	08/07/2024 13:08	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Analysis Results Comments

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Antimony

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Arsenic

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Barium

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Beryllium

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Cadmium

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Chromium

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Copper

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Nickel

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Selenium

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Thallium

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Tributylphosphate

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Zinc

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	43.50	51.10	117	71 - 136	J
Toluene-d8 (S)	ug/Kg	43.50	41.70	96	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	43.50	46.50	107	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0806	0.0947	117	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1610	0.1810	112	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1650	952	58	39 - 132	J
Phenol-d6 (S)	ug/Kg	1650	1010	61	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1650	1100	67	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1650	959	58	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1650	996	61	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1650	1020	62	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1650	1120	68	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1650	1120	68	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0806	0.0874	108	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1610	0.1930	119	42 - 129	J
Tributylphosphate (S)	ug/Kg	161	192	**119**	63 - 111	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208002 **Date Collected:** 07/29/2024 09:50 **Matrix:** Soil
Sample ID: SB-18-8-9 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.2U	mg/Kg	0.60	1.2	2.4	1	08/07/2024 11:06	08/07/2024 20:05	J
Barium	**210**	mg/Kg	6.0	12	24	10	08/07/2024 11:06	08/09/2024 02:32	J
Cadmium	**1.7**	mg/Kg	0.060	0.12	0.24	1	08/07/2024 11:06	08/07/2024 20:05	J
Copper	**330**	mg/Kg	6.0	12	24	10	08/07/2024 11:06	08/09/2024 02:32	J
Nickel	**20**	mg/Kg	0.60	1.2	2.4	1	08/07/2024 11:06	08/07/2024 20:05	J
Silver	**1.3**	mg/Kg	0.24	0.48	0.96	1	08/07/2024 11:06	08/07/2024 20:05	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.13U	mg/Kg	0.063	0.13	0.25	10	08/06/2024 07:15	08/07/2024 10:09	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**1.1**	mg/Kg	0.0063	0.013	0.025	4	08/12/2024 10:19	08/12/2024 14:44	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.0098U	mg/Kg	0.0049	0.0098	0.020	5	08/05/2024 09:00	08/06/2024 18:38	J
4,4`-DDE	0.0098U	mg/Kg	0.0049	0.0098	0.020	5	08/05/2024 09:00	08/06/2024 18:38	J
4,4`-DDT	0.098U	mg/Kg	0.049	0.098	0.20	25	08/05/2024 09:00	08/07/2024 21:19	J
Aldrin	0.0098U	mg/Kg	0.0049	0.0098	0.020	5	08/05/2024 09:00	08/06/2024 18:38	J
Chlordane (technical)	0.18U	mg/Kg	0.088	0.18	0.35	5	08/05/2024 09:00	08/06/2024 18:38	J
Dieldrin	0.0098U	mg/Kg	0.0049	0.0098	0.020	5	08/05/2024 09:00	08/06/2024 18:38	J
Endosulfan I	0.0098U	mg/Kg	0.0049	0.0098	0.020	5	08/05/2024 09:00	08/06/2024 18:38	J
Endosulfan II	0.0098U	mg/Kg	0.0049	0.0098	0.020	5	08/05/2024 09:00	08/06/2024 18:38	J
Endosulfan Sulfate	0.0098U	mg/Kg	0.0049	0.0098	0.020	5	08/05/2024 09:00	08/06/2024 18:38	J
Endrin	0.020U	mg/Kg	0.0098	0.020	0.039	5	08/05/2024 09:00	08/06/2024 18:38	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208002 **Date Collected:** 07/29/2024 09:50 **Matrix:** Soil
Sample ID: SB-18-8-9 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.0098U	mg/Kg	0.0049	0.0098	0.020	5	08/05/2024 09:00	08/06/2024 18:38	J
Endrin ketone	0.0098U	mg/Kg	0.0049	0.0098	0.020	5	08/05/2024 09:00	08/06/2024 18:38	J
Heptachlor	0.0098U	mg/Kg	0.0049	0.0098	0.020	5	08/05/2024 09:00	08/06/2024 18:38	J
Heptachlor Epoxide	0.0098U	mg/Kg	0.0049	0.0098	0.020	5	08/05/2024 09:00	08/06/2024 18:38	J
Methoxychlor	0.0098U	mg/Kg	0.0049	0.0098	0.020	5	08/05/2024 09:00	08/06/2024 18:38	J
Toxaphene	1.5U	mg/Kg	0.73	1.5	2.9	25	08/05/2024 09:00	08/07/2024 21:19	J
alpha-BHC	0.0098U	mg/Kg	0.0049	0.0098	0.020	5	08/05/2024 09:00	08/06/2024 18:38	J
alpha-Chlordane	0.020U	mg/Kg	0.015	0.020	0.039	5	08/05/2024 09:00	08/06/2024 18:38	J
beta-BHC	0.0098U	mg/Kg	0.0049	0.0098	0.020	5	08/05/2024 09:00	08/06/2024 18:38	J
delta-BHC	0.0098U	mg/Kg	0.0049	0.0098	0.020	5	08/05/2024 09:00	08/06/2024 18:38	J
gamma-BHC (Lindane)	0.0098U	mg/Kg	0.0049	0.0098	0.020	5	08/05/2024 09:00	08/06/2024 18:38	J
gamma-Chlordane	0.020U	mg/Kg	0.0098	0.020	0.039	5	08/05/2024 09:00	08/06/2024 18:38	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.29U	mg/Kg	0.15	0.29	0.59	5	08/05/2024 09:00	08/07/2024 01:30	J
Aroclor 1221 (PCB-1221)	0.29U	mg/Kg	0.15	0.29	0.59	5	08/05/2024 09:00	08/07/2024 01:30	J
Aroclor 1232 (PCB-1232)	0.29U	mg/Kg	0.15	0.29	0.59	5	08/05/2024 09:00	08/07/2024 01:30	J
Aroclor 1242 (PCB-1242)	0.29U	mg/Kg	0.15	0.29	0.59	5	08/05/2024 09:00	08/07/2024 01:30	J
Aroclor 1248 (PCB-1248)	0.29U	mg/Kg	0.15	0.29	0.59	5	08/05/2024 09:00	08/07/2024 01:30	J
Aroclor 1254 (PCB-1254)	0.29U	mg/Kg	0.15	0.29	0.59	5	08/05/2024 09:00	08/07/2024 01:30	J
Aroclor 1260 (PCB-1260)	0.29U	mg/Kg	0.15	0.29	0.59	5	08/05/2024 09:00	08/07/2024 01:30	J
Aroclor 1262 (PCB-1262)	0.29U	mg/Kg	0.15	0.29	0.59	5	08/05/2024 09:00	08/07/2024 01:30	J
Aroclor 1268 (PCB-1268)	0.29U	mg/Kg	0.15	0.29	0.59	5	08/05/2024 09:00	08/07/2024 01:30	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J
Azinphos-methyl	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J
Chlorpyrifos	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J
Chlorpyrifos-methyl	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208002 **Date Collected:** 07/29/2024 09:50 **Matrix:** Soil
Sample ID: SB-18-8-9 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J
Demeton-O	98U	ug/Kg	49	98	200	5	08/05/2024 09:00	08/09/2024 06:29	J
Demeton-S	98U	ug/Kg	49	98	200	5	08/05/2024 09:00	08/09/2024 06:29	J
Diazinon	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J
Dimethoate	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J
Disulfoton	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J
Ethion	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J
Ethoprop	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J
Famphur	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J
Fensulfothion	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J
Fonophos	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J
Malathion	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J
Merphos	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J
Methyl Parathion	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J
Mevinphos	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J
Parathion (Ethyl)	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J
Phorate	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J
Phosmet	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J
Ronnel	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J
Simazine	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J
Sulfotep	200U	ug/Kg	98	200	390	5	08/05/2024 09:00	08/09/2024 06:29	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
2,4,6-Trichlorophenol	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
2,4-Dichlorophenol	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
2,4-Dimethylphenol	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
2,4-Dinitrophenol	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208002 **Date Collected:** 07/29/2024 09:50 **Matrix:** Soil
Sample ID: SB-18-8-9 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
2,6-Dinitrotoluene (2,6-DNT)	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
2-Chloronaphthalene	0.39U	mg/Kg	0.19	0.39	0.78	1	08/04/2024 08:00	08/07/2024 05:04	J
2-Chlorophenol	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
2-Methyl-4,6-dinitrophenol	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
2-Methylnaphthalene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 05:04	J
2-Methylphenol (o-Cresol)	0.39U	mg/Kg	0.19	0.39	0.78	1	08/04/2024 08:00	08/07/2024 05:04	J
2-Nitroaniline	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
2-Nitrophenol	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
3+4-Methylphenol(mp-Cresol)	0.39U	mg/Kg	0.19	0.39	0.78	1	08/04/2024 08:00	08/07/2024 05:04	J
3,3`-Dichlorobenzidine	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
3-Nitroaniline	0.39U	mg/Kg	0.19	0.39	0.78	1	08/04/2024 08:00	08/07/2024 05:04	J
4-Bromophenyl Phenyl Ether	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
4-Chloro-3-methylphenol	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
4-Chloroaniline	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
4-Chlorophenyl Phenyl Ether	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
4-Nitroaniline	0.39U	mg/Kg	0.19	0.39	0.78	1	08/04/2024 08:00	08/07/2024 05:04	J
4-Nitrophenol	0.39U	mg/Kg	0.19	0.39	0.78	1	08/04/2024 08:00	08/07/2024 05:04	J
Acenaphthene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 05:04	J
Acenaphthylene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 05:04	J
Acetophenone	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
Anthracene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 05:04	J
Atrazine	0.39U	mg/Kg	0.19	0.39	0.78	1	08/04/2024 08:00	08/07/2024 05:04	J
Benzaldehyde	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
Benzo[a]anthracene	0.0060J	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 05:04	J
Benzo[a]pyrene	0.019U	mg/Kg	0.0093	0.019	0.037	1	08/04/2024 08:00	08/07/2024 05:04	J
Benzo[b]fluoranthene	0.0083J	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 05:04	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208002 **Date Collected:** 07/29/2024 09:50 **Matrix:** Soil
Sample ID: SB-18-8-9 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.0074J	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 05:04	J
Benzo[k]fluoranthene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 05:04	J
Biphenyl	0.39U	mg/Kg	0.19	0.39	0.78	1	08/04/2024 08:00	08/07/2024 05:04	J
Butyl benzyl phthalate	0.39U	mg/Kg	0.19	0.39	0.78	1	08/04/2024 08:00	08/07/2024 05:04	J
Caprolactam	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
Carbazole	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 05:04	J
Chrysene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 05:04	J
Di-n-Butyl Phthalate	0.20J	mg/Kg	0.19	0.39	0.78	1	08/04/2024 08:00	08/07/2024 05:04	J
Di-n-octyl Phthalate	0.39U	mg/Kg	0.19	0.39	0.78	1	08/04/2024 08:00	08/07/2024 05:04	J
Dibenzo[a,h]anthracene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 05:04	J
Dibenzofuran	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 05:04	J
Diethyl phthalate	0.39U	mg/Kg	0.19	0.39	0.78	1	08/04/2024 08:00	08/07/2024 05:04	J
Dimethyl phthalate	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
Fluoranthene	0.0096J	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 05:04	J
Fluorene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 05:04	J
Hexachlorobenzene	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
Hexachlorobutadiene	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
Hexachlorocyclopentadiene	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
Hexachloroethane	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
Indeno(1,2,3-cd)pyrene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 05:04	J
Isophorone	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
N-Nitrosodi-n-propylamine	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
N-Nitrosodiphenylamine	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
Naphthalene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 05:04	J
Nitrobenzene	0.39U	mg/Kg	0.19	0.39	0.78	1	08/04/2024 08:00	08/07/2024 05:04	J
Pentachlorophenol	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
Phenanthrene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 05:04	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208002 **Date Collected:** 07/29/2024 09:50 **Matrix:** Soil
Sample ID: SB-18-8-9 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	0.39U	mg/Kg	0.19	0.39	0.78	1	08/04/2024 08:00	08/07/2024 05:04	J
Pyrene	0.0082J	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 05:04	J
bis(2-Chloroethyl)Ether	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 05:04	J
bis(2-Ethylhexyl) phthalate	0.39U	mg/Kg	0.19	0.39	0.78	1	08/04/2024 08:00	08/07/2024 05:04	J
(SM 2540G)									
Percent Moisture	**16**	%		0.0010	0.0010	1	08/07/2024 16:38	08/07/2024 16:38	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
1,1,2,2-Tetrachloroethane	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
1,1,2-Trichloroethane	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
1,1,2-Trichlorotrifluoroethane	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
1,1-Dichloroethane	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
1,1-Dichloroethylene	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
1,2,4-Trichlorobenzene	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
1,2-Dibromo-3-Chloropropane	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
1,2-Dichlorobenzene	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
1,2-Dichloroethane	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
1,2-Dichloropropane	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
1,3-Dichlorobenzene	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
1,4-Dichlorobenzene	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
1,4-Dioxane	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
2-Butanone (MEK)	0.0011J	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208002 **Date Collected:** 07/29/2024 09:50 **Matrix:** Soil
Sample ID: SB-18-8-9 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2-Hexanone	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
4-Methyl-2-pentanone (MIBK)	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Acetone	**0.053**	mg/Kg	0.0018	0.0037	0.0073	1	08/07/2024 11:51	08/07/2024 13:33	J
Benzene	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Bromodichloromethane	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Bromoform	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Bromomethane	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Carbon Disulfide	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Carbon Tetrachloride	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Chlorobenzene	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Chloroethane	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Chloroform	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Chloromethane	0.0037U	mg/Kg	0.0018	0.0037	0.0073	1	08/07/2024 11:51	08/07/2024 13:33	J
Cyclohexane	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Dibromochloromethane	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Dichlorodifluoromethane	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Ethylbenzene	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Ethylene Dibromide (EDB)	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Isopropylbenzene	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Methyl Acetate	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Methyl Cyclohexane	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Methyl tert-butyl Ether (MTBE)	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208002 **Date Collected:** 07/29/2024 09:50 **Matrix:** Soil
Sample ID: SB-18-8-9 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Methylene Chloride	0.0037U	mg/Kg	0.0018	0.0037	0.0073	1	08/07/2024 11:51	08/07/2024 13:33	J
Styrene	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Tetrachloroethylene (PCE)	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Toluene	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Trichloroethene	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Trichlorofluoromethane	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Vinyl Chloride	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
Xylene (Total)	0.0055U	mg/Kg	0.0027	0.0055	0.011	1	08/07/2024 11:51	08/07/2024 13:33	J
cis-1,2-Dichloroethylene	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
cis-1,3-Dichloropropene	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
trans-1,2-Dichloroethylene	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J
trans-1,3-Dichloropropylene	0.0018U	mg/Kg	0.00092	0.0018	0.0037	1	08/07/2024 11:51	08/07/2024 13:33	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Analysis Results Comments

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tributylphosphate

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	51.40	54.30	105	71 - 136	J
Toluene-d8 (S)	ug/Kg	51.40	50.90	99	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	51.40	58.10	113	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0822	0.1450	**176**	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1640	0.3140	**191**	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1640	1270	78	39 - 132	J
Phenol-d6 (S)	ug/Kg	1640	1240	76	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1640	1320	80	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1640	1250	76	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1640	1340	82	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1640	1370	84	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1640	1410	86	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1640	1450	88	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0822	0.1720	**209**	60 - 130	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tetrachloro-m-xylene (S)	mg/Kg	0.1640	0.3110	**189**	42 - 129	J
Tributylphosphate (S)	ug/Kg	164	424	**258**	63 - 111	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208003 **Date Collected:** 07/29/2024 11:05 **Matrix:** Soil
Sample ID: SB-7-0-2 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.4U	mg/Kg	0.70	1.4	2.8	1	08/07/2024 11:06	08/07/2024 20:09	J
Barium	**38**	mg/Kg	0.70	1.4	2.8	1	08/07/2024 11:06	08/07/2024 20:09	J
Cadmium	0.22J	mg/Kg	0.070	0.14	0.28	1	08/07/2024 11:06	08/07/2024 20:09	J
Copper	**47**	mg/Kg	0.70	1.4	2.8	1	08/07/2024 11:06	08/07/2024 20:09	J
Nickel	**16**	mg/Kg	0.70	1.4	2.8	1	08/07/2024 11:06	08/07/2024 20:09	J
Silver	0.72J	mg/Kg	0.28	0.56	1.1	1	08/07/2024 11:06	08/07/2024 20:09	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.13J	mg/Kg	0.074	0.15	0.30	10	08/06/2024 07:15	08/07/2024 10:20	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.16**	mg/Kg	0.0019	0.0037	0.0074	1	08/12/2024 10:19	08/12/2024 13:58	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.011U	mg/Kg	0.0057	0.011	0.023	5	08/05/2024 09:00	08/06/2024 19:39	J
4,4`-DDE	0.011U	mg/Kg	0.0057	0.011	0.023	5	08/05/2024 09:00	08/06/2024 19:39	J
4,4`-DDT	0.11U	mg/Kg	0.057	0.11	0.23	25	08/05/2024 09:00	08/07/2024 21:40	J
Aldrin	0.011U	mg/Kg	0.0057	0.011	0.023	5	08/05/2024 09:00	08/06/2024 19:39	J
Chlordane (technical)	0.20U	mg/Kg	0.10	0.20	0.41	5	08/05/2024 09:00	08/06/2024 19:39	J
Dieldrin	0.011U	mg/Kg	0.0057	0.011	0.023	5	08/05/2024 09:00	08/06/2024 19:39	J
Endosulfan I	0.011U	mg/Kg	0.0057	0.011	0.023	5	08/05/2024 09:00	08/06/2024 19:39	J
Endosulfan II	0.011U	mg/Kg	0.0057	0.011	0.023	5	08/05/2024 09:00	08/06/2024 19:39	J
Endosulfan Sulfate	0.011U	mg/Kg	0.0057	0.011	0.023	5	08/05/2024 09:00	08/06/2024 19:39	J
Endrin	0.023U	mg/Kg	0.011	0.023	0.045	5	08/05/2024 09:00	08/06/2024 19:39	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208003 **Date Collected:** 07/29/2024 11:05 **Matrix:** Soil
Sample ID: SB-7-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.011U	mg/Kg	0.0057	0.011	0.023	5	08/05/2024 09:00	08/06/2024 19:39	J
Endrin ketone	0.057U	mg/Kg	0.028	0.057	0.11	25	08/05/2024 09:00	08/07/2024 21:40	J
Heptachlor	0.011U	mg/Kg	0.0057	0.011	0.023	5	08/05/2024 09:00	08/06/2024 19:39	J
Heptachlor Epoxide	0.011U	mg/Kg	0.0057	0.011	0.023	5	08/05/2024 09:00	08/06/2024 19:39	J
Methoxychlor	0.057U	mg/Kg	0.028	0.057	0.11	25	08/05/2024 09:00	08/07/2024 21:40	J
Toxaphene	1.7U	mg/Kg	0.85	1.7	3.4	25	08/05/2024 09:00	08/07/2024 21:40	J
alpha-BHC	0.011U	mg/Kg	0.0057	0.011	0.023	5	08/05/2024 09:00	08/06/2024 19:39	J
alpha-Chlordane	0.023U	mg/Kg	0.017	0.023	0.045	5	08/05/2024 09:00	08/06/2024 19:39	J
beta-BHC	0.011U	mg/Kg	0.0057	0.011	0.023	5	08/05/2024 09:00	08/06/2024 19:39	J
delta-BHC	0.011U	mg/Kg	0.0057	0.011	0.023	5	08/05/2024 09:00	08/06/2024 19:39	J
gamma-BHC (Lindane)	0.011U	mg/Kg	0.0057	0.011	0.023	5	08/05/2024 09:00	08/06/2024 19:39	J
gamma-Chlordane	0.023U	mg/Kg	0.011	0.023	0.045	5	08/05/2024 09:00	08/06/2024 19:39	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.34U	mg/Kg	0.17	0.34	0.68	5	08/05/2024 09:00	08/07/2024 02:11	J
Aroclor 1221 (PCB-1221)	0.34U	mg/Kg	0.17	0.34	0.68	5	08/05/2024 09:00	08/07/2024 02:11	J
Aroclor 1232 (PCB-1232)	0.34U	mg/Kg	0.17	0.34	0.68	5	08/05/2024 09:00	08/07/2024 02:11	J
Aroclor 1242 (PCB-1242)	0.34U	mg/Kg	0.17	0.34	0.68	5	08/05/2024 09:00	08/07/2024 02:11	J
Aroclor 1248 (PCB-1248)	0.34U	mg/Kg	0.17	0.34	0.68	5	08/05/2024 09:00	08/07/2024 02:11	J
Aroclor 1254 (PCB-1254)	0.34U	mg/Kg	0.17	0.34	0.68	5	08/05/2024 09:00	08/07/2024 02:11	J
Aroclor 1260 (PCB-1260)	0.34U	mg/Kg	0.17	0.34	0.68	5	08/05/2024 09:00	08/07/2024 02:11	J
Aroclor 1262 (PCB-1262)	0.34U	mg/Kg	0.17	0.34	0.68	5	08/05/2024 09:00	08/07/2024 02:11	J
Aroclor 1268 (PCB-1268)	0.34U	mg/Kg	0.17	0.34	0.68	5	08/05/2024 09:00	08/07/2024 02:11	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J
Azinphos-methyl	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J
Chlorpyrifos	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J
Chlorpyrifos-methyl	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208003 **Date Collected:** 07/29/2024 11:05 **Matrix:** Soil
Sample ID: SB-7-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J
Demeton-O	23U	ug/Kg	11	23	45	1	08/05/2024 09:00	08/08/2024 19:17	J
Demeton-S	23U	ug/Kg	11	23	45	1	08/05/2024 09:00	08/08/2024 19:17	J
Diazinon	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J
Dimethoate	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J
Disulfoton	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J
Ethion	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J
Ethoprop	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J
Famphur	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J
Fensulfothion	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J
Fonophos	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J
Malathion	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J
Merphos	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J
Methyl Parathion	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J
Mevinphos	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J
Parathion (Ethyl)	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J
Phorate	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J
Phosmet	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J
Ronnel	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J
Simazine	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J
Sulfotep	45U	ug/Kg	23	45	91	1	08/05/2024 09:00	08/08/2024 19:17	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
2,4,6-Trichlorophenol	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
2,4-Dichlorophenol	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
2,4-Dimethylphenol	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
2,4-Dinitrophenol	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208003 **Date Collected:** 07/29/2024 11:05 **Matrix:** Soil
Sample ID: SB-7-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
2,6-Dinitrotoluene (2,6-DNT)	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
2-Chloronaphthalene	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/06/2024 16:43	J
2-Chlorophenol	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
2-Methyl-4,6-dinitrophenol	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
2-Methylnaphthalene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/06/2024 16:43	J
2-Methylphenol (o-Cresol)	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/06/2024 16:43	J
2-Nitroaniline	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
2-Nitrophenol	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
3+4-Methylphenol(mp-Cresol)	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/06/2024 16:43	J
3,3`-Dichlorobenzidine	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
3-Nitroaniline	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/06/2024 16:43	J
4-Bromophenyl Phenyl Ether	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
4-Chloro-3-methylphenol	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
4-Chloroaniline	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
4-Chlorophenyl Phenyl Ether	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
4-Nitroaniline	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/06/2024 16:43	J
4-Nitrophenol	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/06/2024 16:43	J
Acenaphthene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/06/2024 16:43	J
Acenaphthylene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/06/2024 16:43	J
Acetophenone	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
Anthracene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/06/2024 16:43	J
Atrazine	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/06/2024 16:43	J
Benzaldehyde	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
Benzo[a]anthracene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/06/2024 16:43	J
Benzo[a]pyrene	0.023U	mg/Kg	0.011	0.023	0.046	1	08/04/2024 08:00	08/06/2024 16:43	J
Benzo[b]fluoranthene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/06/2024 16:43	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208003 **Date Collected:** 07/29/2024 11:05 **Matrix:** Soil
Sample ID: SB-7-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/06/2024 16:43	J
Benzo[k]fluoranthene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/06/2024 16:43	J
Biphenyl	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/06/2024 16:43	J
Butyl benzyl phthalate	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/06/2024 16:43	J
Caprolactam	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
Carbazole	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/06/2024 16:43	J
Chrysene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/06/2024 16:43	J
Di-n-Butyl Phthalate	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/06/2024 16:43	J
Di-n-octyl Phthalate	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/06/2024 16:43	J
Dibenzo[a,h]anthracene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/06/2024 16:43	J
Dibenzofuran	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/06/2024 16:43	J
Diethyl phthalate	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/06/2024 16:43	J
Dimethyl phthalate	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
Fluoranthene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/06/2024 16:43	J
Fluorene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/06/2024 16:43	J
Hexachlorobenzene	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
Hexachlorobutadiene	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
Hexachlorocyclopentadiene	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
Hexachloroethane	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
Indeno(1,2,3-cd)pyrene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/06/2024 16:43	J
Isophorone	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
N-Nitrosodi-n-propylamine	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
N-Nitrosodiphenylamine	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
Naphthalene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/06/2024 16:43	J
Nitrobenzene	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/06/2024 16:43	J
Pentachlorophenol	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
Phenanthrene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/06/2024 16:43	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208003 **Date Collected:** 07/29/2024 11:05 **Matrix:** Soil
Sample ID: SB-7-0-2 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/06/2024 16:43	J
Pyrene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/06/2024 16:43	J
bis(2-Chloroethyl)Ether	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/06/2024 16:43	J
bis(2-Ethylhexyl) phthalate	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/06/2024 16:43	J
(SM 2540G)									
Percent Moisture	**30**	%		0.0010	0.0010	1	08/07/2024 16:38	08/07/2024 16:38	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
1,1,2,2-Tetrachloroethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
1,1,2-Trichloroethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
1,1,2-Trichlorotrifluoroethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
1,1-Dichloroethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
1,1-Dichloroethylene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
1,2,4-Trichlorobenzene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
1,2-Dibromo-3-Chloropropane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
1,2-Dichlorobenzene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
1,2-Dichloroethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
1,2-Dichloropropane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
1,3-Dichlorobenzene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
1,4-Dichlorobenzene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
1,4-Dioxane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
2-Butanone (MEK)	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208003 **Date Collected:** 07/29/2024 11:05 **Matrix:** Soil
Sample ID: SB-7-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2-Hexanone	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
4-Methyl-2-pentanone (MIBK)	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Acetone	0.0037U	mg/Kg	0.0019	0.0037	0.0075	1	08/07/2024 11:51	08/07/2024 13:59	J
Benzene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Bromodichloromethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Bromoform	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Bromomethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Carbon Disulfide	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Carbon Tetrachloride	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Chlorobenzene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Chloroethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Chloroform	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Chloromethane	0.0037U	mg/Kg	0.0019	0.0037	0.0075	1	08/07/2024 11:51	08/07/2024 13:59	J
Cyclohexane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Dibromochloromethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Dichlorodifluoromethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Ethylbenzene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Ethylene Dibromide (EDB)	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Isopropylbenzene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Methyl Acetate	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Methyl Cyclohexane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Methyl tert-butyl Ether (MTBE)	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208003 **Date Collected:** 07/29/2024 11:05 **Matrix:** Soil
Sample ID: SB-7-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Methylene Chloride	0.0037U	mg/Kg	0.0019	0.0037	0.0075	1	08/07/2024 11:51	08/07/2024 13:59	J
Styrene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Tetrachloroethylene (PCE)	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Toluene	0.00095J	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Trichloroethene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Trichlorofluoromethane	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Vinyl Chloride	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
Xylene (Total)	0.0056U	mg/Kg	0.0028	0.0056	0.011	1	08/07/2024 11:51	08/07/2024 13:59	J
cis-1,2-Dichloroethylene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
cis-1,3-Dichloropropene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
trans-1,2-Dichloroethylene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J
trans-1,3-Dichloropropylene	0.0019U	mg/Kg	0.00093	0.0019	0.0037	1	08/07/2024 11:51	08/07/2024 13:59	J

Analysis Results Comments

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	43.50	51.90	119	71 - 136	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Toluene-d8 (S)	ug/Kg	43.50	41.60	96	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	43.50	47.60	109	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0794	0.1030	130	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1590	0.22	**138**	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1650	1170	71	39 - 132	J
Phenol-d6 (S)	ug/Kg	1650	1090	66	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1650	1160	70	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1650	1050	63	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1650	1120	68	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1650	1160	70	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1650	1210	73	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1650	1220	74	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0794	0.1020	128	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1590	0.2320	**146**	42 - 129	J
Tributylphosphate (S)	ug/Kg	159	149	94	63 - 111	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208004 **Date Collected:** 07/29/2024 11:40 **Matrix:** Soil
Sample ID: SB-7-8-9 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.5U	mg/Kg	0.77	1.5	3.1	1	08/07/2024 11:06	08/07/2024 20:13	J
Barium	**20**	mg/Kg	0.77	1.5	3.1	1	08/07/2024 11:06	08/07/2024 20:13	J
Cadmium	0.16J	mg/Kg	0.077	0.15	0.31	1	08/07/2024 11:06	08/07/2024 20:13	J
Copper	**44**	mg/Kg	0.77	1.5	3.1	1	08/07/2024 11:06	08/07/2024 20:13	J
Nickel	**16**	mg/Kg	0.77	1.5	3.1	1	08/07/2024 11:06	08/07/2024 20:13	J
Silver	0.48J	mg/Kg	0.31	0.61	1.2	1	08/07/2024 11:06	08/07/2024 20:13	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.19J	mg/Kg	0.082	0.16	0.33	10	08/06/2024 07:15	08/07/2024 10:44	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.093**	mg/Kg	0.0021	0.0043	0.0085	1	08/12/2024 10:19	08/12/2024 14:07	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.013U	mg/Kg	0.0065	0.013	0.026	5	08/05/2024 09:00	08/06/2024 20:00	J
4,4`-DDE	0.013U	mg/Kg	0.0065	0.013	0.026	5	08/05/2024 09:00	08/06/2024 20:00	J
4,4`-DDT	0.13U	mg/Kg	0.065	0.13	0.26	25	08/05/2024 09:00	08/09/2024 15:57	J
Aldrin	0.013U	mg/Kg	0.0065	0.013	0.026	5	08/05/2024 09:00	08/06/2024 20:00	J
Chlordane (technical)	0.23U	mg/Kg	0.12	0.23	0.46	5	08/05/2024 09:00	08/06/2024 20:00	J
Dieldrin	0.013U	mg/Kg	0.0065	0.013	0.026	5	08/05/2024 09:00	08/06/2024 20:00	J
Endosulfan I	0.013U	mg/Kg	0.0065	0.013	0.026	5	08/05/2024 09:00	08/06/2024 20:00	J
Endosulfan II	0.013U	mg/Kg	0.0065	0.013	0.026	5	08/05/2024 09:00	08/06/2024 20:00	J
Endosulfan Sulfate	0.013U	mg/Kg	0.0065	0.013	0.026	5	08/05/2024 09:00	08/06/2024 20:00	J
Endrin	0.026U	mg/Kg	0.013	0.026	0.052	5	08/05/2024 09:00	08/06/2024 20:00	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208004 **Date Collected:** 07/29/2024 11:40 **Matrix:** Soil
Sample ID: SB-7-8-9 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.013U	mg/Kg	0.0065	0.013	0.026	5	08/05/2024 09:00	08/06/2024 20:00	J
Endrin ketone	0.065U	mg/Kg	0.032	0.065	0.13	25	08/05/2024 09:00	08/09/2024 15:57	J
Heptachlor	0.013U	mg/Kg	0.0065	0.013	0.026	5	08/05/2024 09:00	08/06/2024 20:00	J
Heptachlor Epoxide	0.013U	mg/Kg	0.0065	0.013	0.026	5	08/05/2024 09:00	08/06/2024 20:00	J
Methoxychlor	0.065U	mg/Kg	0.032	0.065	0.13	25	08/05/2024 09:00	08/09/2024 15:57	J
Toxaphene	1.9U	mg/Kg	0.97	1.9	3.9	25	08/05/2024 09:00	08/09/2024 15:57	J
alpha-BHC	0.013U	mg/Kg	0.0065	0.013	0.026	5	08/05/2024 09:00	08/06/2024 20:00	J
alpha-Chlordane	0.026U	mg/Kg	0.019	0.026	0.052	5	08/05/2024 09:00	08/06/2024 20:00	J
beta-BHC	0.013U	mg/Kg	0.0065	0.013	0.026	5	08/05/2024 09:00	08/06/2024 20:00	J
delta-BHC	0.013U	mg/Kg	0.0065	0.013	0.026	5	08/05/2024 09:00	08/06/2024 20:00	J
gamma-BHC (Lindane)	0.013U	mg/Kg	0.0065	0.013	0.026	5	08/05/2024 09:00	08/06/2024 20:00	J
gamma-Chlordane	0.026U	mg/Kg	0.013	0.026	0.052	5	08/05/2024 09:00	08/06/2024 20:00	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.39U	mg/Kg	0.19	0.39	0.77	5	08/05/2024 09:00	08/07/2024 02:32	J
Aroclor 1221 (PCB-1221)	0.39U	mg/Kg	0.19	0.39	0.77	5	08/05/2024 09:00	08/07/2024 02:32	J
Aroclor 1232 (PCB-1232)	0.39U	mg/Kg	0.19	0.39	0.77	5	08/05/2024 09:00	08/07/2024 02:32	J
Aroclor 1242 (PCB-1242)	0.39U	mg/Kg	0.19	0.39	0.77	5	08/05/2024 09:00	08/07/2024 02:32	J
Aroclor 1248 (PCB-1248)	0.39U	mg/Kg	0.19	0.39	0.77	5	08/05/2024 09:00	08/07/2024 02:32	J
Aroclor 1254 (PCB-1254)	0.39U	mg/Kg	0.19	0.39	0.77	5	08/05/2024 09:00	08/07/2024 02:32	J
Aroclor 1260 (PCB-1260)	0.39U	mg/Kg	0.19	0.39	0.77	5	08/05/2024 09:00	08/07/2024 02:32	J
Aroclor 1262 (PCB-1262)	0.39U	mg/Kg	0.19	0.39	0.77	5	08/05/2024 09:00	08/07/2024 02:32	J
Aroclor 1268 (PCB-1268)	0.39U	mg/Kg	0.19	0.39	0.77	5	08/05/2024 09:00	08/07/2024 02:32	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J
Azinphos-methyl	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J
Chlorpyrifos	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J
Chlorpyrifos-methyl	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208004 **Date Collected:** 07/29/2024 11:40 **Matrix:** Soil
Sample ID: SB-7-8-9 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J
Demeton-O	26U	ug/Kg	13	26	52	1	08/05/2024 09:00	08/08/2024 19:47	J
Demeton-S	26U	ug/Kg	13	26	52	1	08/05/2024 09:00	08/08/2024 19:47	J
Diazinon	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J
Dimethoate	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J
Disulfoton	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J
Ethion	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J
Ethoprop	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J
Famphur	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J
Fensulfothion	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J
Fonophos	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J
Malathion	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J
Merphos	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J
Methyl Parathion	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J
Mevinphos	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J
Parathion (Ethyl)	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J
Phorate	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J
Phosmet	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J
Ronnel	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J
Simazine	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J
Sulfotep	52U	ug/Kg	26	52	100	1	08/05/2024 09:00	08/08/2024 19:47	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
2,4,6-Trichlorophenol	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
2,4-Dichlorophenol	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
2,4-Dimethylphenol	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
2,4-Dinitrophenol	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208004 **Date Collected:** 07/29/2024 11:40 **Matrix:** Soil
Sample ID: SB-7-8-9 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
2,6-Dinitrotoluene (2,6-DNT)	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
2-Chloronaphthalene	0.54U	mg/Kg	0.27	0.54	1.1	1	08/04/2024 08:00	08/06/2024 17:57	J
2-Chlorophenol	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
2-Methyl-4,6-dinitrophenol	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
2-Methylnaphthalene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/04/2024 08:00	08/06/2024 17:57	J
2-Methylphenol (o-Cresol)	0.54U	mg/Kg	0.27	0.54	1.1	1	08/04/2024 08:00	08/06/2024 17:57	J
2-Nitroaniline	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
2-Nitrophenol	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
3+4-Methylphenol(mp-Cresol)	0.54U	mg/Kg	0.27	0.54	1.1	1	08/04/2024 08:00	08/06/2024 17:57	J
3,3`-Dichlorobenzidine	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
3-Nitroaniline	0.54U	mg/Kg	0.27	0.54	1.1	1	08/04/2024 08:00	08/06/2024 17:57	J
4-Bromophenyl Phenyl Ether	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
4-Chloro-3-methylphenol	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
4-Chloroaniline	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
4-Chlorophenyl Phenyl Ether	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
4-Nitroaniline	0.54U	mg/Kg	0.27	0.54	1.1	1	08/04/2024 08:00	08/06/2024 17:57	J
4-Nitrophenol	0.54U	mg/Kg	0.27	0.54	1.1	1	08/04/2024 08:00	08/06/2024 17:57	J
Acenaphthene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/04/2024 08:00	08/06/2024 17:57	J
Acenaphthylene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/04/2024 08:00	08/06/2024 17:57	J
Acetophenone	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
Anthracene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/04/2024 08:00	08/06/2024 17:57	J
Atrazine	0.54U	mg/Kg	0.27	0.54	1.1	1	08/04/2024 08:00	08/06/2024 17:57	J
Benzaldehyde	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
Benzo[a]anthracene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/04/2024 08:00	08/06/2024 17:57	J
Benzo[a]pyrene	0.026U	mg/Kg	0.013	0.026	0.052	1	08/04/2024 08:00	08/06/2024 17:57	J
Benzo[b]fluoranthene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/04/2024 08:00	08/06/2024 17:57	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208004 **Date Collected:** 07/29/2024 11:40 **Matrix:** Soil
Sample ID: SB-7-8-9 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/04/2024 08:00	08/06/2024 17:57	J
Benzo[k]fluoranthene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/04/2024 08:00	08/06/2024 17:57	J
Biphenyl	0.54U	mg/Kg	0.27	0.54	1.1	1	08/04/2024 08:00	08/06/2024 17:57	J
Butyl benzyl phthalate	0.54U	mg/Kg	0.27	0.54	1.1	1	08/04/2024 08:00	08/06/2024 17:57	J
Caprolactam	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
Carbazole	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/04/2024 08:00	08/06/2024 17:57	J
Chrysene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/04/2024 08:00	08/06/2024 17:57	J
Di-n-Butyl Phthalate	0.42J	mg/Kg	0.27	0.54	1.1	1	08/04/2024 08:00	08/06/2024 17:57	J
Di-n-octyl Phthalate	0.54U	mg/Kg	0.27	0.54	1.1	1	08/04/2024 08:00	08/06/2024 17:57	J
Dibenzo[a,h]anthracene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/04/2024 08:00	08/06/2024 17:57	J
Dibenzofuran	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/04/2024 08:00	08/06/2024 17:57	J
Diethyl phthalate	0.54U	mg/Kg	0.27	0.54	1.1	1	08/04/2024 08:00	08/06/2024 17:57	J
Dimethyl phthalate	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
Fluoranthene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/04/2024 08:00	08/06/2024 17:57	J
Fluorene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/04/2024 08:00	08/06/2024 17:57	J
Hexachlorobenzene	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
Hexachlorobutadiene	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
Hexachlorocyclopentadiene	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
Hexachloroethane	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
Indeno(1,2,3-cd)pyrene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/04/2024 08:00	08/06/2024 17:57	J
Isophorone	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
N-Nitrosodi-n-propylamine	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
N-Nitrosodiphenylamine	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
Naphthalene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/04/2024 08:00	08/06/2024 17:57	J
Nitrobenzene	0.54U	mg/Kg	0.27	0.54	1.1	1	08/04/2024 08:00	08/06/2024 17:57	J
Pentachlorophenol	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
Phenanthrene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/04/2024 08:00	08/06/2024 17:57	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208004 **Date Collected:** 07/29/2024 11:40 **Matrix:** Soil
Sample ID: SB-7-8-9 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	0.54U	mg/Kg	0.27	0.54	1.1	1	08/04/2024 08:00	08/06/2024 17:57	J
Pyrene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/04/2024 08:00	08/06/2024 17:57	J
bis(2-Chloroethyl)Ether	0.27U	mg/Kg	0.13	0.27	0.54	1	08/04/2024 08:00	08/06/2024 17:57	J
bis(2-Ethylhexyl) phthalate	0.54U	mg/Kg	0.27	0.54	1.1	1	08/04/2024 08:00	08/06/2024 17:57	J
(SM 2540G)									
Percent Moisture	**38**	%		0.0010	0.0010	1	08/07/2024 16:38	08/07/2024 16:38	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
1,1,2,2-Tetrachloroethane	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
1,1,2-Trichloroethane	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
1,1,2-Trichlorotrifluoroethane	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
1,1-Dichloroethane	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
1,1-Dichloroethylene	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
1,2,4-Trichlorobenzene	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
1,2-Dibromo-3-Chloropropane	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
1,2-Dichlorobenzene	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
1,2-Dichloroethane	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
1,2-Dichloropropane	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
1,3-Dichlorobenzene	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
1,4-Dichlorobenzene	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
1,4-Dioxane	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
2-Butanone (MEK)	0.0044J	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
2-Hexanone	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
4-Methyl-2-pentanone (MIBK)	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Acetone	**0.12**	mg/Kg	0.0026	0.0051	0.010	1	08/07/2024 11:51	08/07/2024 14:24	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208004 **Date Collected:** 07/29/2024 11:40 **Matrix:** Soil
Sample ID: SB-7-8-9 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Bromodichloromethane	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Bromoform	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Bromomethane	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Carbon Disulfide	**0.0075**	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Carbon Tetrachloride	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Chlorobenzene	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Chloroethane	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Chloroform	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Chloromethane	0.0051U	mg/Kg	0.0026	0.0051	0.010	1	08/07/2024 11:51	08/07/2024 14:24	J
Cyclohexane	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Dibromochloromethane	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Dichlorodifluoromethane	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Ethylbenzene	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Ethylene Dibromide (EDB)	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Isopropylbenzene	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Methyl Acetate	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Methyl Cyclohexane	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Methyl tert-butyl Ether (MTBE)	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Methylene Chloride	0.0051U	mg/Kg	0.0026	0.0051	0.010	1	08/07/2024 11:51	08/07/2024 14:24	J
Styrene	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Tetrachloroethylene (PCE)	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Toluene	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Trichloroethene	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Trichlorofluoromethane	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Vinyl Chloride	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
Xylene (Total)	0.0077U	mg/Kg	0.0038	0.0077	0.015	1	08/07/2024 11:51	08/07/2024 14:24	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208004 **Date Collected:** 07/29/2024 11:40 **Matrix:** Soil
Sample ID: SB-7-8-9 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
cis-1,3-Dichloropropene	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
trans-1,2-Dichloroethylene	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J
trans-1,3-Dichloropropylene	0.0026U	mg/Kg	0.0013	0.0026	0.0051	1	08/07/2024 11:51	08/07/2024 14:24	J

Analysis Results Comments

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tributylphosphate

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	52.70	62.60	119	71 - 136	J
Toluene-d8 (S)	ug/Kg	52.70	49.90	95	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	52.70	58.80	111	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0799	0.0925	116	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.16	0.1810	114	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1670	1050	63	39 - 132	J
Phenol-d6 (S)	ug/Kg	1670	1030	62	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1670	1110	67	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1670	1040	63	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1670	1130	68	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1670	1160	69	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1670	1230	74	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1670	1250	75	50 - 150	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/Kg	0.0799	0.0847	106	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.16	0.1970	123	42 - 129	J
Tributylphosphate (S)	ug/Kg	160	197	**123**	63 - 111	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208005 **Date Collected:** 07/29/2024 13:15 **Matrix:** Soil
Sample ID: SB-8-0-2 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.6U	mg/Kg	0.78	1.6	3.1	1	08/07/2024 11:06	08/07/2024 20:16	J
Barium	**26**	mg/Kg	0.78	1.6	3.1	1	08/07/2024 11:06	08/07/2024 20:16	J
Cadmium	0.16J	mg/Kg	0.078	0.16	0.31	1	08/07/2024 11:06	08/07/2024 20:16	J
Copper	**46**	mg/Kg	0.78	1.6	3.1	1	08/07/2024 11:06	08/07/2024 20:16	J
Nickel	**17**	mg/Kg	0.78	1.6	3.1	1	08/07/2024 11:06	08/07/2024 20:16	J
Silver	0.62J	mg/Kg	0.31	0.62	1.2	1	08/07/2024 11:06	08/07/2024 20:16	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.12J	mg/Kg	0.077	0.15	0.31	10	08/06/2024 07:15	08/07/2024 10:48	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.55**	mg/Kg	0.0019	0.0038	0.0077	1	08/12/2024 10:19	08/12/2024 14:10	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 09:00	08/06/2024 20:20	J
4,4`-DDE	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 09:00	08/06/2024 20:20	J
4,4`-DDT	0.12U	mg/Kg	0.058	0.12	0.23	25	08/05/2024 09:00	08/09/2024 16:18	J
Aldrin	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 09:00	08/06/2024 20:20	J
Chlordane (technical)	0.21U	mg/Kg	0.10	0.21	0.41	5	08/05/2024 09:00	08/06/2024 20:20	J
Dieldrin	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 09:00	08/06/2024 20:20	J
Endosulfan I	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 09:00	08/06/2024 20:20	J
Endosulfan II	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 09:00	08/06/2024 20:20	J
Endosulfan Sulfate	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 09:00	08/06/2024 20:20	J
Endrin	0.023U	mg/Kg	0.012	0.023	0.046	5	08/05/2024 09:00	08/06/2024 20:20	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208005 **Date Collected:** 07/29/2024 13:15 **Matrix:** Soil
Sample ID: SB-8-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 09:00	08/06/2024 20:20	J
Endrin ketone	0.058U	mg/Kg	0.029	0.058	0.12	25	08/05/2024 09:00	08/09/2024 16:18	J
Heptachlor	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 09:00	08/06/2024 20:20	J
Heptachlor Epoxide	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 09:00	08/06/2024 20:20	J
Methoxychlor	0.058U	mg/Kg	0.029	0.058	0.12	25	08/05/2024 09:00	08/09/2024 16:18	J
Toxaphene	1.7U	mg/Kg	0.86	1.7	3.5	25	08/05/2024 09:00	08/09/2024 16:18	J
alpha-BHC	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 09:00	08/06/2024 20:20	J
alpha-Chlordane	0.023U	mg/Kg	0.017	0.023	0.046	5	08/05/2024 09:00	08/06/2024 20:20	J
beta-BHC	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 09:00	08/06/2024 20:20	J
delta-BHC	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 09:00	08/06/2024 20:20	J
gamma-BHC (Lindane)	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 09:00	08/06/2024 20:20	J
gamma-Chlordane	0.023U	mg/Kg	0.012	0.023	0.046	5	08/05/2024 09:00	08/06/2024 20:20	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.35U	mg/Kg	0.17	0.35	0.69	5	08/05/2024 09:00	08/07/2024 02:52	J
Aroclor 1221 (PCB-1221)	0.35U	mg/Kg	0.17	0.35	0.69	5	08/05/2024 09:00	08/07/2024 02:52	J
Aroclor 1232 (PCB-1232)	0.35U	mg/Kg	0.17	0.35	0.69	5	08/05/2024 09:00	08/07/2024 02:52	J
Aroclor 1242 (PCB-1242)	0.35U	mg/Kg	0.17	0.35	0.69	5	08/05/2024 09:00	08/07/2024 02:52	J
Aroclor 1248 (PCB-1248)	0.35U	mg/Kg	0.17	0.35	0.69	5	08/05/2024 09:00	08/07/2024 02:52	J
Aroclor 1254 (PCB-1254)	0.35U	mg/Kg	0.17	0.35	0.69	5	08/05/2024 09:00	08/07/2024 02:52	J
Aroclor 1260 (PCB-1260)	0.35U	mg/Kg	0.17	0.35	0.69	5	08/05/2024 09:00	08/07/2024 02:52	J
Aroclor 1262 (PCB-1262)	0.35U	mg/Kg	0.17	0.35	0.69	5	08/05/2024 09:00	08/07/2024 02:52	J
Aroclor 1268 (PCB-1268)	0.35U	mg/Kg	0.17	0.35	0.69	5	08/05/2024 09:00	08/07/2024 02:52	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J
Azinphos-methyl	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J
Chlorpyrifos	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J
Chlorpyrifos-methyl	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208005 **Date Collected:** 07/29/2024 13:15 **Matrix:** Soil
Sample ID: SB-8-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J
Demeton-O	23U	ug/Kg	12	23	46	1	08/05/2024 09:00	08/08/2024 20:18	J
Demeton-S	23U	ug/Kg	12	23	46	1	08/05/2024 09:00	08/08/2024 20:18	J
Diazinon	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J
Dimethoate	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J
Disulfoton	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J
Ethion	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J
Ethoprop	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J
Famphur	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J
Fensulfothion	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J
Fonophos	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J
Malathion	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J
Merphos	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J
Methyl Parathion	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J
Mevinphos	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J
Parathion (Ethyl)	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J
Phorate	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J
Phosmet	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J
Ronnel	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J
Simazine	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J
Sulfotep	46U	ug/Kg	23	46	92	1	08/05/2024 09:00	08/08/2024 20:18	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
2,4,6-Trichlorophenol	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
2,4-Dichlorophenol	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
2,4-Dimethylphenol	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
2,4-Dinitrophenol	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208005 **Date Collected:** 07/29/2024 13:15 **Matrix:** Soil
Sample ID: SB-8-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
2,6-Dinitrotoluene (2,6-DNT)	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
2-Chloronaphthalene	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/06/2024 18:35	J
2-Chlorophenol	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
2-Methyl-4,6-dinitrophenol	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
2-Methylnaphthalene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/06/2024 18:35	J
2-Methylphenol (o-Cresol)	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/06/2024 18:35	J
2-Nitroaniline	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
2-Nitrophenol	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
3+4-Methylphenol(mp-Cresol)	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/06/2024 18:35	J
3,3`-Dichlorobenzidine	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
3-Nitroaniline	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/06/2024 18:35	J
4-Bromophenyl Phenyl Ether	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
4-Chloro-3-methylphenol	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
4-Chloroaniline	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
4-Chlorophenyl Phenyl Ether	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
4-Nitroaniline	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/06/2024 18:35	J
4-Nitrophenol	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/06/2024 18:35	J
Acenaphthene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/06/2024 18:35	J
Acenaphthylene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/06/2024 18:35	J
Acetophenone	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
Anthracene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/06/2024 18:35	J
Atrazine	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/06/2024 18:35	J
Benzaldehyde	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
Benzo[a]anthracene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/06/2024 18:35	J
Benzo[a]pyrene	0.024U	mg/Kg	0.012	0.024	0.048	1	08/04/2024 08:00	08/06/2024 18:35	J
Benzo[b]fluoranthene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/06/2024 18:35	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208005 **Date Collected:** 07/29/2024 13:15 **Matrix:** Soil
Sample ID: SB-8-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/06/2024 18:35	J
Benzo[k]fluoranthene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/06/2024 18:35	J
Biphenyl	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/06/2024 18:35	J
Butyl benzyl phthalate	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/06/2024 18:35	J
Caprolactam	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
Carbazole	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/06/2024 18:35	J
Chrysene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/06/2024 18:35	J
Di-n-Butyl Phthalate	0.42J	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/06/2024 18:35	J
Di-n-octyl Phthalate	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/06/2024 18:35	J
Dibenzo[a,h]anthracene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/06/2024 18:35	J
Dibenzofuran	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/06/2024 18:35	J
Diethyl phthalate	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/06/2024 18:35	J
Dimethyl phthalate	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
Fluoranthene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/06/2024 18:35	J
Fluorene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/06/2024 18:35	J
Hexachlorobenzene	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
Hexachlorobutadiene	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
Hexachlorocyclopentadiene	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
Hexachloroethane	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
Indeno(1,2,3-cd)pyrene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/06/2024 18:35	J
Isophorone	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
N-Nitrosodi-n-propylamine	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
N-Nitrosodiphenylamine	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
Naphthalene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/06/2024 18:35	J
Nitrobenzene	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/06/2024 18:35	J
Pentachlorophenol	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
Phenanthrene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/06/2024 18:35	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208005 **Date Collected:** 07/29/2024 13:15 **Matrix:** Soil
Sample ID: SB-8-0-2 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/06/2024 18:35	J
Pyrene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/06/2024 18:35	J
bis(2-Chloroethyl)Ether	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/06/2024 18:35	J
bis(2-Ethylhexyl) phthalate	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/06/2024 18:35	J
(SM 2540G)									
Percent Moisture	**34**	%		0.0010	0.0010	1	08/07/2024 16:38	08/07/2024 16:38	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
1,1,2,2-Tetrachloroethane	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
1,1,2-Trichloroethane	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
1,1,2-Trichlorotrifluoroethane	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
1,1-Dichloroethane	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
1,1-Dichloroethylene	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
1,2,4-Trichlorobenzene	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
1,2-Dibromo-3-Chloropropane	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
1,2-Dichlorobenzene	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
1,2-Dichloroethane	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
1,2-Dichloropropane	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
1,3-Dichlorobenzene	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
1,4-Dichlorobenzene	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
1,4-Dioxane	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
2-Butanone (MEK)	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208005 **Date Collected:** 07/29/2024 13:15 **Matrix:** Soil
Sample ID: SB-8-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2-Hexanone	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
4-Methyl-2-pentanone (MIBK)	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Acetone	0.0039U	mg/Kg	0.0020	0.0039	0.0079	1	08/07/2024 11:51	08/07/2024 14:50	J
Benzene	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Bromodichloromethane	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Bromoform	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Bromomethane	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Carbon Disulfide	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Carbon Tetrachloride	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Chlorobenzene	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Chloroethane	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Chloroform	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Chloromethane	0.0039U	mg/Kg	0.0020	0.0039	0.0079	1	08/07/2024 11:51	08/07/2024 14:50	J
Cyclohexane	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Dibromochloromethane	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Dichlorodifluoromethane	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Ethylbenzene	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Ethylene Dibromide (EDB)	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Isopropylbenzene	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Methyl Acetate	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Methyl Cyclohexane	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Methyl tert-butyl Ether (MTBE)	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208005 **Date Collected:** 07/29/2024 13:15 **Matrix:** Soil
Sample ID: SB-8-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Methylene Chloride	0.0039U	mg/Kg	0.0020	0.0039	0.0079	1	08/07/2024 11:51	08/07/2024 14:50	J
Styrene	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Tetrachloroethylene (PCE)	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Toluene	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Trichloroethene	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Trichlorofluoromethane	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Vinyl Chloride	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
Xylene (Total)	0.0059U	mg/Kg	0.0030	0.0059	0.012	1	08/07/2024 11:51	08/07/2024 14:50	J
cis-1,2-Dichloroethylene	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
cis-1,3-Dichloropropene	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
trans-1,2-Dichloroethylene	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J
trans-1,3-Dichloropropylene	0.0020U	mg/Kg	0.00099	0.0020	0.0039	1	08/07/2024 11:51	08/07/2024 14:50	J

Analysis Results Comments

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tributylphosphate

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	43.60	49.80	114	71 - 136	J
Toluene-d8 (S)	ug/Kg	43.60	42	96	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	43.60	47.40	109	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0763	0.1070	140	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1530	0.2220	**145**	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1660	1040	62	39 - 132	J
Phenol-d6 (S)	ug/Kg	1660	1040	63	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1660	1200	72	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1660	1040	63	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1660	1120	67	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1660	1150	69	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1660	1200	72	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1660	1220	73	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0763	0.0985	129	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1530	0.2320	**152**	42 - 129	J
Tributylphosphate (S)	ug/Kg	153	171	**112**	63 - 111	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208006 **Date Collected:** 07/29/2024 13:45 **Matrix:** Soil
Sample ID: SB-8-5-6 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	2.1U	mg/Kg	1.0	2.1	4.1	1	08/07/2024 11:06	08/07/2024 20:20	J
Barium	**29**	mg/Kg	1.0	2.1	4.1	1	08/07/2024 11:06	08/07/2024 20:20	J
Cadmium	0.16J	mg/Kg	0.10	0.21	0.41	1	08/07/2024 11:06	08/07/2024 20:20	J
Copper	**54**	mg/Kg	1.0	2.1	4.1	1	08/07/2024 11:06	08/07/2024 20:20	J
Nickel	**18**	mg/Kg	1.0	2.1	4.1	1	08/07/2024 11:06	08/07/2024 20:20	J
Silver	0.56J	mg/Kg	0.41	0.82	1.6	1	08/07/2024 11:06	08/07/2024 20:20	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	**3.7**	mg/Kg	0.11	0.21	0.43	10	08/06/2024 07:15	08/07/2024 10:51	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.10**	mg/Kg	0.0027	0.0053	0.011	1	08/12/2024 10:19	08/12/2024 14:13	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.017U	mg/Kg	0.0085	0.017	0.034	5	08/05/2024 09:00	08/06/2024 20:41	J
4,4`-DDE	0.017U	mg/Kg	0.0085	0.017	0.034	5	08/05/2024 09:00	08/06/2024 20:41	J
4,4`-DDT	0.17U	mg/Kg	0.085	0.17	0.34	25	08/05/2024 09:00	08/09/2024 16:38	J
Aldrin	0.017U	mg/Kg	0.0085	0.017	0.034	5	08/05/2024 09:00	08/06/2024 20:41	J
Chlordane (technical)	0.31U	mg/Kg	0.15	0.31	0.61	5	08/05/2024 09:00	08/06/2024 20:41	J
Dieldrin	0.017U	mg/Kg	0.0085	0.017	0.034	5	08/05/2024 09:00	08/06/2024 20:41	J
Endosulfan I	0.017U	mg/Kg	0.0085	0.017	0.034	5	08/05/2024 09:00	08/06/2024 20:41	J
Endosulfan II	0.017U	mg/Kg	0.0085	0.017	0.034	5	08/05/2024 09:00	08/06/2024 20:41	J
Endosulfan Sulfate	0.017U	mg/Kg	0.0085	0.017	0.034	5	08/05/2024 09:00	08/06/2024 20:41	J
Endrin	0.034U	mg/Kg	0.017	0.034	0.068	5	08/05/2024 09:00	08/06/2024 20:41	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208006 **Date Collected:** 07/29/2024 13:45 **Matrix:** Soil
Sample ID: SB-8-5-6 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.017U	mg/Kg	0.0085	0.017	0.034	5	08/05/2024 09:00	08/06/2024 20:41	J
Endrin ketone	0.085U	mg/Kg	0.042	0.085	0.17	25	08/05/2024 09:00	08/09/2024 16:38	J
Heptachlor	0.017U	mg/Kg	0.0085	0.017	0.034	5	08/05/2024 09:00	08/06/2024 20:41	J
Heptachlor Epoxide	0.017U	mg/Kg	0.0085	0.017	0.034	5	08/05/2024 09:00	08/06/2024 20:41	J
Methoxychlor	0.085U	mg/Kg	0.042	0.085	0.17	25	08/05/2024 09:00	08/09/2024 16:38	J
Toxaphene	2.5U	mg/Kg	1.3	2.5	5.1	25	08/05/2024 09:00	08/09/2024 16:38	J
alpha-BHC	0.017U	mg/Kg	0.0085	0.017	0.034	5	08/05/2024 09:00	08/06/2024 20:41	J
alpha-Chlordane	0.034U	mg/Kg	0.025	0.034	0.068	5	08/05/2024 09:00	08/06/2024 20:41	J
beta-BHC	0.017U	mg/Kg	0.0085	0.017	0.034	5	08/05/2024 09:00	08/06/2024 20:41	J
delta-BHC	0.017U	mg/Kg	0.0085	0.017	0.034	5	08/05/2024 09:00	08/06/2024 20:41	J
gamma-BHC (Lindane)	0.017U	mg/Kg	0.0085	0.017	0.034	5	08/05/2024 09:00	08/06/2024 20:41	J
gamma-Chlordane	0.034U	mg/Kg	0.017	0.034	0.068	5	08/05/2024 09:00	08/06/2024 20:41	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.51U	mg/Kg	0.25	0.51	1.0	5	08/05/2024 09:00	08/07/2024 03:13	J
Aroclor 1221 (PCB-1221)	0.51U	mg/Kg	0.25	0.51	1.0	5	08/05/2024 09:00	08/07/2024 03:13	J
Aroclor 1232 (PCB-1232)	0.51U	mg/Kg	0.25	0.51	1.0	5	08/05/2024 09:00	08/07/2024 03:13	J
Aroclor 1242 (PCB-1242)	0.51U	mg/Kg	0.25	0.51	1.0	5	08/05/2024 09:00	08/07/2024 03:13	J
Aroclor 1248 (PCB-1248)	0.51U	mg/Kg	0.25	0.51	1.0	5	08/05/2024 09:00	08/07/2024 03:13	J
Aroclor 1254 (PCB-1254)	0.51U	mg/Kg	0.25	0.51	1.0	5	08/05/2024 09:00	08/07/2024 03:13	J
Aroclor 1260 (PCB-1260)	0.51U	mg/Kg	0.25	0.51	1.0	5	08/05/2024 09:00	08/07/2024 03:13	J
Aroclor 1262 (PCB-1262)	0.51U	mg/Kg	0.25	0.51	1.0	5	08/05/2024 09:00	08/07/2024 03:13	J
Aroclor 1268 (PCB-1268)	0.51U	mg/Kg	0.25	0.51	1.0	5	08/05/2024 09:00	08/07/2024 03:13	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J
Azinphos-methyl	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J
Chlorpyrifos	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J
Chlorpyrifos-methyl	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208006 **Date Collected:** 07/29/2024 13:45 **Matrix:** Soil
Sample ID: SB-8-5-6 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J
Demeton-O	34U	ug/Kg	17	34	68	1	08/05/2024 09:00	08/08/2024 20:49	J
Demeton-S	34U	ug/Kg	17	34	68	1	08/05/2024 09:00	08/08/2024 20:49	J
Diazinon	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J
Dimethoate	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J
Disulfoton	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J
Ethion	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J
Ethoprop	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J
Famphur	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J
Fensulfothion	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J
Fonophos	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J
Malathion	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J
Merphos	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J
Methyl Parathion	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J
Mevinphos	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J
Parathion (Ethyl)	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J
Phorate	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J
Phosmet	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J
Ronnel	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J
Simazine	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J
Sulfotep	68U	ug/Kg	34	68	140	1	08/05/2024 09:00	08/08/2024 20:49	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
2,4,6-Trichlorophenol	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
2,4-Dichlorophenol	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
2,4-Dimethylphenol	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
2,4-Dinitrophenol	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208006 **Date Collected:** 07/29/2024 13:45 **Matrix:** Soil
Sample ID: SB-8-5-6 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
2,6-Dinitrotoluene (2,6-DNT)	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
2-Chloronaphthalene	0.68U	mg/Kg	0.34	0.68	1.4	1	08/04/2024 08:00	08/06/2024 19:12	J
2-Chlorophenol	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
2-Methyl-4,6-dinitrophenol	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
2-Methylnaphthalene	0.020U	mg/Kg	0.010	0.020	0.041	1	08/04/2024 08:00	08/06/2024 19:12	J
2-Methylphenol (o-Cresol)	0.68U	mg/Kg	0.34	0.68	1.4	1	08/04/2024 08:00	08/06/2024 19:12	J
2-Nitroaniline	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
2-Nitrophenol	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
3+4-Methylphenol(mp-Cresol)	0.68U	mg/Kg	0.34	0.68	1.4	1	08/04/2024 08:00	08/06/2024 19:12	J
3,3`-Dichlorobenzidine	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
3-Nitroaniline	0.68U	mg/Kg	0.34	0.68	1.4	1	08/04/2024 08:00	08/06/2024 19:12	J
4-Bromophenyl Phenyl Ether	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
4-Chloro-3-methylphenol	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
4-Chloroaniline	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
4-Chlorophenyl Phenyl Ether	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
4-Nitroaniline	0.68U	mg/Kg	0.34	0.68	1.4	1	08/04/2024 08:00	08/06/2024 19:12	J
4-Nitrophenol	0.68U	mg/Kg	0.34	0.68	1.4	1	08/04/2024 08:00	08/06/2024 19:12	J
Acenaphthene	0.020U	mg/Kg	0.010	0.020	0.041	1	08/04/2024 08:00	08/06/2024 19:12	J
Acenaphthylene	0.020U	mg/Kg	0.010	0.020	0.041	1	08/04/2024 08:00	08/06/2024 19:12	J
Acetophenone	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
Anthracene	0.020U	mg/Kg	0.010	0.020	0.041	1	08/04/2024 08:00	08/06/2024 19:12	J
Atrazine	0.68U	mg/Kg	0.34	0.68	1.4	1	08/04/2024 08:00	08/06/2024 19:12	J
Benzaldehyde	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
Benzo[a]anthracene	0.020U	mg/Kg	0.010	0.020	0.041	1	08/04/2024 08:00	08/06/2024 19:12	J
Benzo[a]pyrene	0.033U	mg/Kg	0.016	0.033	0.065	1	08/04/2024 08:00	08/06/2024 19:12	J
Benzo[b]fluoranthene	0.020U	mg/Kg	0.010	0.020	0.041	1	08/04/2024 08:00	08/06/2024 19:12	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208006 **Date Collected:** 07/29/2024 13:45 **Matrix:** Soil
Sample ID: SB-8-5-6 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.020U	mg/Kg	0.010	0.020	0.041	1	08/04/2024 08:00	08/06/2024 19:12	J
Benzo[k]fluoranthene	0.020U	mg/Kg	0.010	0.020	0.041	1	08/04/2024 08:00	08/06/2024 19:12	J
Biphenyl	0.68U	mg/Kg	0.34	0.68	1.4	1	08/04/2024 08:00	08/06/2024 19:12	J
Butyl benzyl phthalate	0.68U	mg/Kg	0.34	0.68	1.4	1	08/04/2024 08:00	08/06/2024 19:12	J
Caprolactam	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
Carbazole	0.020U	mg/Kg	0.010	0.020	0.041	1	08/04/2024 08:00	08/06/2024 19:12	J
Chrysene	0.020U	mg/Kg	0.010	0.020	0.041	1	08/04/2024 08:00	08/06/2024 19:12	J
Di-n-Butyl Phthalate	0.55J	mg/Kg	0.34	0.68	1.4	1	08/04/2024 08:00	08/06/2024 19:12	J
Di-n-octyl Phthalate	0.68U	mg/Kg	0.34	0.68	1.4	1	08/04/2024 08:00	08/06/2024 19:12	J
Dibenzo[a,h]anthracene	0.020U	mg/Kg	0.010	0.020	0.041	1	08/04/2024 08:00	08/06/2024 19:12	J
Dibenzofuran	0.020U	mg/Kg	0.010	0.020	0.041	1	08/04/2024 08:00	08/06/2024 19:12	J
Diethyl phthalate	0.68U	mg/Kg	0.34	0.68	1.4	1	08/04/2024 08:00	08/06/2024 19:12	J
Dimethyl phthalate	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
Fluoranthene	0.020U	mg/Kg	0.010	0.020	0.041	1	08/04/2024 08:00	08/06/2024 19:12	J
Fluorene	0.020U	mg/Kg	0.010	0.020	0.041	1	08/04/2024 08:00	08/06/2024 19:12	J
Hexachlorobenzene	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
Hexachlorobutadiene	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
Hexachlorocyclopentadiene	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
Hexachloroethane	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
Indeno(1,2,3-cd)pyrene	0.020U	mg/Kg	0.010	0.020	0.041	1	08/04/2024 08:00	08/06/2024 19:12	J
Isophorone	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
N-Nitrosodi-n-propylamine	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
N-Nitrosodiphenylamine	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
Naphthalene	0.020U	mg/Kg	0.010	0.020	0.041	1	08/04/2024 08:00	08/06/2024 19:12	J
Nitrobenzene	0.68U	mg/Kg	0.34	0.68	1.4	1	08/04/2024 08:00	08/06/2024 19:12	J
Pentachlorophenol	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
Phenanthrene	0.020U	mg/Kg	0.010	0.020	0.041	1	08/04/2024 08:00	08/06/2024 19:12	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208006 **Date Collected:** 07/29/2024 13:45 **Matrix:** Soil
Sample ID: SB-8-5-6 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	0.68U	mg/Kg	0.34	0.68	1.4	1	08/04/2024 08:00	08/06/2024 19:12	J
Pyrene	0.020U	mg/Kg	0.010	0.020	0.041	1	08/04/2024 08:00	08/06/2024 19:12	J
bis(2-Chloroethyl)Ether	0.34U	mg/Kg	0.17	0.34	0.68	1	08/04/2024 08:00	08/06/2024 19:12	J
bis(2-Ethylhexyl) phthalate	0.68U	mg/Kg	0.34	0.68	1.4	1	08/04/2024 08:00	08/06/2024 19:12	J
(SM 2540G)									
Percent Moisture	**52**	%		0.0010	0.0010	1	08/07/2024 16:38	08/07/2024 16:38	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
1,1,2,2-Tetrachloroethane	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
1,1,2-Trichloroethane	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
1,1,2-Trichlorotrifluoroethane	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
1,1-Dichloroethane	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
1,1-Dichloroethylene	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
1,2,4-Trichlorobenzene	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
1,2-Dibromo-3-Chloropropane	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
1,2-Dichlorobenzene	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
1,2-Dichloroethane	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
1,2-Dichloropropane	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
1,3-Dichlorobenzene	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
1,4-Dichlorobenzene	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
1,4-Dioxane	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
2-Butanone (MEK)	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
2-Hexanone	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
4-Methyl-2-pentanone (MIBK)	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Acetone	**0.034**	mg/Kg	0.0029	0.0057	0.011	1	08/07/2024 11:51	08/07/2024 15:16	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208006 **Date Collected:** 07/29/2024 13:45 **Matrix:** Soil
Sample ID: SB-8-5-6 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Bromodichloromethane	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Bromoform	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Bromomethane	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Carbon Disulfide	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Carbon Tetrachloride	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Chlorobenzene	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Chloroethane	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Chloroform	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Chloromethane	0.0057U	mg/Kg	0.0029	0.0057	0.011	1	08/07/2024 11:51	08/07/2024 15:16	J
Cyclohexane	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Dibromochloromethane	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Dichlorodifluoromethane	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Ethylbenzene	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Ethylene Dibromide (EDB)	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Isopropylbenzene	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Methyl Acetate	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Methyl Cyclohexane	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Methyl tert-butyl Ether (MTBE)	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Methylene Chloride	0.0057U	mg/Kg	0.0029	0.0057	0.011	1	08/07/2024 11:51	08/07/2024 15:16	J
Styrene	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Tetrachloroethylene (PCE)	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Toluene	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Trichloroethene	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Trichlorofluoromethane	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Vinyl Chloride	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
Xylene (Total)	0.0086U	mg/Kg	0.0043	0.0086	0.017	1	08/07/2024 11:51	08/07/2024 15:16	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208006 **Date Collected:** 07/29/2024 13:45 **Matrix:** Soil
Sample ID: SB-8-5-6 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
cis-1,3-Dichloropropene	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
trans-1,2-Dichloroethylene	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J
trans-1,3-Dichloropropylene	0.0029U	mg/Kg	0.0014	0.0029	0.0057	1	08/07/2024 11:51	08/07/2024 15:16	J

Analysis Results Comments

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tributylphosphate

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	45.40	53.20	117	71 - 136	J
Toluene-d8 (S)	ug/Kg	45.40	43.60	96	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	45.40	48.90	108	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0808	0.12	**149**	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1620	0.2350	**145**	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1620	1010	63	39 - 132	J
Phenol-d6 (S)	ug/Kg	1620	1020	63	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1620	1050	65	44 - 115	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorophenol (S)	ug/Kg	1620	1010	62	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1620	997	62	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1620	1030	64	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1620	1100	68	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1620	1210	75	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0808	0.1160	**143**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1620	0.2440	**151**	42 - 129	J
Tributylphosphate (S)	ug/Kg	162	231	**143**	63 - 111	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208007 **Date Collected:** 07/30/2024 10:10 **Matrix:** Soil
Sample ID: SB-9-0-2 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.4U	mg/Kg	0.69	1.4	2.8	1	08/07/2024 11:06	08/07/2024 20:23	J
Barium	**33**	mg/Kg	0.69	1.4	2.8	1	08/07/2024 11:06	08/07/2024 20:23	J
Cadmium	0.22J	mg/Kg	0.069	0.14	0.28	1	08/07/2024 11:06	08/07/2024 20:23	J
Copper	**43**	mg/Kg	0.69	1.4	2.8	1	08/07/2024 11:06	08/07/2024 20:23	J
Nickel	**16**	mg/Kg	0.69	1.4	2.8	1	08/07/2024 11:06	08/07/2024 20:23	J
Silver	0.66J	mg/Kg	0.28	0.56	1.1	1	08/07/2024 11:06	08/07/2024 20:23	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.13J	mg/Kg	0.067	0.13	0.27	10	08/06/2024 07:15	08/07/2024 10:55	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.15**	mg/Kg	0.0018	0.0035	0.0070	1	08/12/2024 10:19	08/12/2024 14:16	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.011U	mg/Kg	0.0056	0.011	0.022	5	08/05/2024 18:00	08/08/2024 00:25	J
4,4`-DDE	0.011U	mg/Kg	0.0056	0.011	0.022	5	08/05/2024 18:00	08/08/2024 00:25	J
4,4`-DDT	0.11U	mg/Kg	0.056	0.11	0.22	25	08/05/2024 18:00	08/09/2024 19:02	J
Aldrin	0.011U	mg/Kg	0.0056	0.011	0.022	5	08/05/2024 18:00	08/08/2024 00:25	J
Chlordane (technical)	0.20U	mg/Kg	0.10	0.20	0.40	5	08/05/2024 18:00	08/08/2024 00:25	J
Dieldrin	0.011U	mg/Kg	0.0056	0.011	0.022	5	08/05/2024 18:00	08/08/2024 00:25	J
Endosulfan I	0.011U	mg/Kg	0.0056	0.011	0.022	5	08/05/2024 18:00	08/08/2024 00:25	J
Endosulfan II	0.011U	mg/Kg	0.0056	0.011	0.022	5	08/05/2024 18:00	08/08/2024 00:25	J
Endosulfan Sulfate	0.011U	mg/Kg	0.0056	0.011	0.022	5	08/05/2024 18:00	08/08/2024 00:25	J
Endrin	0.022U	mg/Kg	0.011	0.022	0.045	5	08/05/2024 18:00	08/08/2024 00:25	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208007 **Date Collected:** 07/30/2024 10:10 **Matrix:** Soil
Sample ID: SB-9-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.011U	mg/Kg	0.0056	0.011	0.022	5	08/05/2024 18:00	08/08/2024 00:25	J
Endrin ketone	0.011U	mg/Kg	0.0056	0.011	0.022	5	08/05/2024 18:00	08/08/2024 00:25	J
Heptachlor	0.011U	mg/Kg	0.0056	0.011	0.022	5	08/05/2024 18:00	08/08/2024 00:25	J
Heptachlor Epoxide	0.011U	mg/Kg	0.0056	0.011	0.022	5	08/05/2024 18:00	08/08/2024 00:25	J
Methoxychlor	0.056U	mg/Kg	0.028	0.056	0.11	25	08/05/2024 18:00	08/09/2024 19:02	J
Toxaphene	0.34U	mg/Kg	0.17	0.34	0.67	5	08/05/2024 18:00	08/08/2024 00:25	J
alpha-BHC	0.011U	mg/Kg	0.0056	0.011	0.022	5	08/05/2024 18:00	08/08/2024 00:25	J
alpha-Chlordane	0.022U	mg/Kg	0.017	0.022	0.045	5	08/05/2024 18:00	08/08/2024 00:25	J
beta-BHC	0.011U	mg/Kg	0.0056	0.011	0.022	5	08/05/2024 18:00	08/08/2024 00:25	J
delta-BHC	0.011U	mg/Kg	0.0056	0.011	0.022	5	08/05/2024 18:00	08/08/2024 00:25	J
gamma-BHC (Lindane)	0.011U	mg/Kg	0.0056	0.011	0.022	5	08/05/2024 18:00	08/08/2024 00:25	J
gamma-Chlordane	0.022U	mg/Kg	0.011	0.022	0.045	5	08/05/2024 18:00	08/08/2024 00:25	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.34U	mg/Kg	0.17	0.34	0.67	5	08/05/2024 18:00	08/08/2024 12:05	J
Aroclor 1221 (PCB-1221)	0.34U	mg/Kg	0.17	0.34	0.67	5	08/05/2024 18:00	08/08/2024 12:05	J
Aroclor 1232 (PCB-1232)	0.34U	mg/Kg	0.17	0.34	0.67	5	08/05/2024 18:00	08/08/2024 12:05	J
Aroclor 1242 (PCB-1242)	0.34U	mg/Kg	0.17	0.34	0.67	5	08/05/2024 18:00	08/08/2024 12:05	J
Aroclor 1248 (PCB-1248)	0.34U	mg/Kg	0.17	0.34	0.67	5	08/05/2024 18:00	08/08/2024 12:05	J
Aroclor 1254 (PCB-1254)	0.34U	mg/Kg	0.17	0.34	0.67	5	08/05/2024 18:00	08/08/2024 12:05	J
Aroclor 1260 (PCB-1260)	0.34U	mg/Kg	0.17	0.34	0.67	5	08/05/2024 18:00	08/08/2024 12:05	J
Aroclor 1262 (PCB-1262)	0.34U	mg/Kg	0.17	0.34	0.67	5	08/05/2024 18:00	08/08/2024 12:05	J
Aroclor 1268 (PCB-1268)	0.34U	mg/Kg	0.17	0.34	0.67	5	08/05/2024 18:00	08/08/2024 12:05	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J
Azinphos-methyl	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J
Chlorpyrifos	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J
Chlorpyrifos-methyl	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208007 **Date Collected:** 07/30/2024 10:10 **Matrix:** Soil
Sample ID: SB-9-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J
Demeton-O	22U	ug/Kg	11	22	45	1	08/05/2024 18:00	08/14/2024 15:12	J
Demeton-S	22U	ug/Kg	11	22	45	1	08/05/2024 18:00	08/14/2024 15:12	J
Diazinon	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J
Dimethoate	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J
Disulfoton	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J
Ethion	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J
Ethoprop	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J
Famphur	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J
Fensulfothion	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J
Fonophos	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J
Malathion	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J
Merphos	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J
Methyl Parathion	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J
Mevinphos	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J
Parathion (Ethyl)	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J
Phorate	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J
Phosmet	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J
Ronnel	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J
Simazine	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J
Sulfotep	45U	ug/Kg	22	45	90	1	08/05/2024 18:00	08/14/2024 15:12	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
2,4,6-Trichlorophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
2,4-Dichlorophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
2,4-Dimethylphenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
2,4-Dinitrophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208007 **Date Collected:** 07/30/2024 10:10 **Matrix:** Soil
Sample ID: SB-9-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
2,6-Dinitrotoluene (2,6-DNT)	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
2-Chloronaphthalene	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 19:49	J
2-Chlorophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
2-Methyl-4,6-dinitrophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
2-Methylnaphthalene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 19:49	J
2-Methylphenol (o-Cresol)	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 19:49	J
2-Nitroaniline	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
2-Nitrophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
3+4-Methylphenol(mp-Cresol)	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 19:49	J
3,3`-Dichlorobenzidine	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
3-Nitroaniline	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 19:49	J
4-Bromophenyl Phenyl Ether	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
4-Chloro-3-methylphenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
4-Chloroaniline	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
4-Chlorophenyl Phenyl Ether	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
4-Nitroaniline	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 19:49	J
4-Nitrophenol	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 19:49	J
Acenaphthene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 19:49	J
Acenaphthylene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 19:49	J
Acetophenone	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
Anthracene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 19:49	J
Atrazine	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 19:49	J
Benzaldehyde	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
Benzo[a]anthracene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 19:49	J
Benzo[a]pyrene	0.022U	mg/Kg	0.011	0.022	0.044	1	08/04/2024 08:00	08/06/2024 19:49	J
Benzo[b]fluoranthene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 19:49	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208007 **Date Collected:** 07/30/2024 10:10 **Matrix:** Soil
Sample ID: SB-9-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 19:49	J
Benzo[k]fluoranthene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 19:49	J
Biphenyl	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 19:49	J
Butyl benzyl phthalate	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 19:49	J
Caprolactam	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
Carbazole	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 19:49	J
Chrysene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 19:49	J
Di-n-Butyl Phthalate	0.37J	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 19:49	J
Di-n-octyl Phthalate	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 19:49	J
Dibenzo[a,h]anthracene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 19:49	J
Dibenzofuran	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 19:49	J
Diethyl phthalate	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 19:49	J
Dimethyl phthalate	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
Fluoranthene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 19:49	J
Fluorene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 19:49	J
Hexachlorobenzene	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
Hexachlorobutadiene	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
Hexachlorocyclopentadiene	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
Hexachloroethane	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
Indeno(1,2,3-cd)pyrene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 19:49	J
Isophorone	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
N-Nitrosodi-n-propylamine	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
N-Nitrosodiphenylamine	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
Naphthalene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 19:49	J
Nitrobenzene	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 19:49	J
Pentachlorophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
Phenanthrene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 19:49	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208007 **Date Collected:** 07/30/2024 10:10 **Matrix:** Soil
Sample ID: SB-9-0-2 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 19:49	J
Pyrene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 19:49	J
bis(2-Chloroethyl)Ether	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 19:49	J
bis(2-Ethylhexyl) phthalate	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 19:49	J
(SM 2540G)									
Percent Moisture	**29**	%		0.0010	0.0010	1	08/07/2024 16:38	08/07/2024 16:38	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
1,1,2,2-Tetrachloroethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
1,1,2-Trichloroethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
1,1,2-Trichlorotrifluoroethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
1,1-Dichloroethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
1,1-Dichloroethylene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
1,2,4-Trichlorobenzene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
1,2-Dibromo-3-Chloropropane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
1,2-Dichlorobenzene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
1,2-Dichloroethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
1,2-Dichloropropane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
1,3-Dichlorobenzene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
1,4-Dichlorobenzene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
1,4-Dioxane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
2-Butanone (MEK)	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
2-Hexanone	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
4-Methyl-2-pentanone (MIBK)	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Acetone	0.0043U	mg/Kg	0.0021	0.0043	0.0085	1	08/07/2024 11:51	08/07/2024 15:41	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208007 **Date Collected:** 07/30/2024 10:10 **Matrix:** Soil
Sample ID: SB-9-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Bromodichloromethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Bromoform	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Bromomethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Carbon Disulfide	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Carbon Tetrachloride	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Chlorobenzene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Chloroethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Chloroform	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Chloromethane	0.0043U	mg/Kg	0.0021	0.0043	0.0085	1	08/07/2024 11:51	08/07/2024 15:41	J
Cyclohexane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Dibromochloromethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Dichlorodifluoromethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Ethylbenzene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Ethylene Dibromide (EDB)	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Isopropylbenzene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Methyl Acetate	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Methyl Cyclohexane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Methyl tert-butyl Ether (MTBE)	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Methylene Chloride	0.0043U	mg/Kg	0.0021	0.0043	0.0085	1	08/07/2024 11:51	08/07/2024 15:41	J
Styrene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Tetrachloroethylene (PCE)	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Toluene	0.0019J	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Trichloroethene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Trichlorofluoromethane	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Vinyl Chloride	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
Xylene (Total)	0.0064U	mg/Kg	0.0032	0.0064	0.013	1	08/07/2024 11:51	08/07/2024 15:41	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208007 **Date Collected:** 07/30/2024 10:10 **Matrix:** Soil
Sample ID: SB-9-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
cis-1,3-Dichloropropene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
trans-1,2-Dichloroethylene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J
trans-1,3-Dichloropropylene	0.0021U	mg/Kg	0.0011	0.0021	0.0043	1	08/07/2024 11:51	08/07/2024 15:41	J

Analysis Results Comments

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Aldrin

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Endrin Aldehyde

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

alpha-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

gamma-Chlordane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50.80	57.70	113	71 - 136	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Toluene-d8 (S)	ug/Kg	50.80	49.60	98	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	50.80	55.50	109	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.08	0.1240	**155**	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.16	0.2460	**154**	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1620	921	57	39 - 132	J
Phenol-d6 (S)	ug/Kg	1620	1050	65	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1620	1160	72	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1620	1080	67	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1620	1080	66	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1620	1100	68	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1620	1300	80	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1620	1170	72	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.08	0.1110	**139**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.16	0.2290	**143**	42 - 129	J
Tributylphosphate (S)	ug/Kg	160	147	92	63 - 111	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208008 **Date Collected:** 07/30/2024 10:40 **Matrix:** Soil
Sample ID: SB-9-7-8 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.5U	mg/Kg	0.73	1.5	2.9	1	08/07/2024 11:06	08/07/2024 20:27	J
Barium	**28**	mg/Kg	0.73	1.5	2.9	1	08/07/2024 11:06	08/07/2024 20:27	J
Cadmium	0.11J	mg/Kg	0.073	0.15	0.29	1	08/07/2024 11:06	08/07/2024 20:27	J
Copper	**45**	mg/Kg	0.73	1.5	2.9	1	08/07/2024 11:06	08/07/2024 20:27	J
Nickel	**15**	mg/Kg	0.73	1.5	2.9	1	08/07/2024 11:06	08/07/2024 20:27	J
Silver	0.54J	mg/Kg	0.29	0.58	1.2	1	08/07/2024 11:06	08/07/2024 20:27	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.11J	mg/Kg	0.084	0.17	0.34	10	08/06/2024 07:15	08/07/2024 10:58	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.090**	mg/Kg	0.0020	0.0039	0.0079	1	08/12/2024 10:19	08/12/2024 14:19	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.013U	mg/Kg	0.0063	0.013	0.025	5	08/05/2024 18:00	08/08/2024 00:46	J
4,4`-DDE	0.013U	mg/Kg	0.0063	0.013	0.025	5	08/05/2024 18:00	08/08/2024 00:46	J
4,4`-DDT	0.13U	mg/Kg	0.063	0.13	0.25	25	08/05/2024 18:00	08/09/2024 19:22	J
Aldrin	0.013U	mg/Kg	0.0063	0.013	0.025	5	08/05/2024 18:00	08/08/2024 00:46	J
Chlordane (technical)	0.23U	mg/Kg	0.11	0.23	0.45	5	08/05/2024 18:00	08/08/2024 00:46	J
Dieldrin	0.013U	mg/Kg	0.0063	0.013	0.025	5	08/05/2024 18:00	08/08/2024 00:46	J
Endosulfan I	0.013U	mg/Kg	0.0063	0.013	0.025	5	08/05/2024 18:00	08/08/2024 00:46	J
Endosulfan II	0.013U	mg/Kg	0.0063	0.013	0.025	5	08/05/2024 18:00	08/08/2024 00:46	J
Endosulfan Sulfate	0.013U	mg/Kg	0.0063	0.013	0.025	5	08/05/2024 18:00	08/08/2024 00:46	J
Endrin	0.025U	mg/Kg	0.013	0.025	0.050	5	08/05/2024 18:00	08/08/2024 00:46	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208008 **Date Collected:** 07/30/2024 10:40 **Matrix:** Soil
Sample ID: SB-9-7-8 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.013U	mg/Kg	0.0063	0.013	0.025	5	08/05/2024 18:00	08/08/2024 00:46	J
Endrin ketone	0.013U	mg/Kg	0.0063	0.013	0.025	5	08/05/2024 18:00	08/08/2024 00:46	J
Heptachlor	0.013U	mg/Kg	0.0063	0.013	0.025	5	08/05/2024 18:00	08/08/2024 00:46	J
Heptachlor Epoxide	0.013U	mg/Kg	0.0063	0.013	0.025	5	08/05/2024 18:00	08/08/2024 00:46	J
Methoxychlor	0.063U	mg/Kg	0.031	0.063	0.13	25	08/05/2024 18:00	08/09/2024 19:22	J
Toxaphene	0.38U	mg/Kg	0.19	0.38	0.76	5	08/05/2024 18:00	08/08/2024 00:46	J
alpha-BHC	0.013U	mg/Kg	0.0063	0.013	0.025	5	08/05/2024 18:00	08/08/2024 00:46	J
alpha-Chlordane	0.025U	mg/Kg	0.019	0.025	0.050	5	08/05/2024 18:00	08/08/2024 00:46	J
beta-BHC	0.013U	mg/Kg	0.0063	0.013	0.025	5	08/05/2024 18:00	08/08/2024 00:46	J
delta-BHC	0.013U	mg/Kg	0.0063	0.013	0.025	5	08/05/2024 18:00	08/08/2024 00:46	J
gamma-BHC (Lindane)	0.013U	mg/Kg	0.0063	0.013	0.025	5	08/05/2024 18:00	08/08/2024 00:46	J
gamma-Chlordane	0.025U	mg/Kg	0.013	0.025	0.050	5	08/05/2024 18:00	08/08/2024 00:46	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.38U	mg/Kg	0.19	0.38	0.76	5	08/05/2024 18:00	08/08/2024 12:26	J
Aroclor 1221 (PCB-1221)	0.38U	mg/Kg	0.19	0.38	0.76	5	08/05/2024 18:00	08/08/2024 12:26	J
Aroclor 1232 (PCB-1232)	0.38U	mg/Kg	0.19	0.38	0.76	5	08/05/2024 18:00	08/08/2024 12:26	J
Aroclor 1242 (PCB-1242)	0.38U	mg/Kg	0.19	0.38	0.76	5	08/05/2024 18:00	08/08/2024 12:26	J
Aroclor 1248 (PCB-1248)	0.38U	mg/Kg	0.19	0.38	0.76	5	08/05/2024 18:00	08/08/2024 12:26	J
Aroclor 1254 (PCB-1254)	0.38U	mg/Kg	0.19	0.38	0.76	5	08/05/2024 18:00	08/08/2024 12:26	J
Aroclor 1260 (PCB-1260)	0.38U	mg/Kg	0.19	0.38	0.76	5	08/05/2024 18:00	08/08/2024 12:26	J
Aroclor 1262 (PCB-1262)	0.38U	mg/Kg	0.19	0.38	0.76	5	08/05/2024 18:00	08/08/2024 12:26	J
Aroclor 1268 (PCB-1268)	0.38U	mg/Kg	0.19	0.38	0.76	5	08/05/2024 18:00	08/08/2024 12:26	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J
Azinphos-methyl	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J
Chlorpyrifos	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J
Chlorpyrifos-methyl	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208008 **Date Collected:** 07/30/2024 10:40 **Matrix:** Soil
Sample ID: SB-9-7-8 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J
Demeton-O	25U	ug/Kg	13	25	50	1	08/05/2024 18:00	08/14/2024 15:42	J
Demeton-S	25U	ug/Kg	13	25	50	1	08/05/2024 18:00	08/14/2024 15:42	J
Diazinon	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J
Dimethoate	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J
Disulfoton	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J
Ethion	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J
Ethoprop	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J
Famphur	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J
Fensulfothion	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J
Fonophos	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J
Malathion	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J
Merphos	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J
Methyl Parathion	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J
Mevinphos	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J
Parathion (Ethyl)	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J
Phorate	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J
Phosmet	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J
Ronnel	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J
Simazine	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J
Sulfotep	50U	ug/Kg	25	50	100	1	08/05/2024 18:00	08/14/2024 15:42	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
2,4,6-Trichlorophenol	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
2,4-Dichlorophenol	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
2,4-Dimethylphenol	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
2,4-Dinitrophenol	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208008 **Date Collected:** 07/30/2024 10:40 **Matrix:** Soil
Sample ID: SB-9-7-8 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
2,6-Dinitrotoluene (2,6-DNT)	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
2-Chloronaphthalene	0.51U	mg/Kg	0.25	0.51	1.0	1	08/04/2024 08:00	08/06/2024 20:26	J
2-Chlorophenol	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
2-Methyl-4,6-dinitrophenol	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
2-Methylnaphthalene	0.015U	mg/Kg	0.0076	0.015	0.030	1	08/04/2024 08:00	08/06/2024 20:26	J
2-Methylphenol (o-Cresol)	0.51U	mg/Kg	0.25	0.51	1.0	1	08/04/2024 08:00	08/06/2024 20:26	J
2-Nitroaniline	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
2-Nitrophenol	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
3+4-Methylphenol(mp-Cresol)	0.51U	mg/Kg	0.25	0.51	1.0	1	08/04/2024 08:00	08/06/2024 20:26	J
3,3`-Dichlorobenzidine	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
3-Nitroaniline	0.51U	mg/Kg	0.25	0.51	1.0	1	08/04/2024 08:00	08/06/2024 20:26	J
4-Bromophenyl Phenyl Ether	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
4-Chloro-3-methylphenol	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
4-Chloroaniline	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
4-Chlorophenyl Phenyl Ether	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
4-Nitroaniline	0.51U	mg/Kg	0.25	0.51	1.0	1	08/04/2024 08:00	08/06/2024 20:26	J
4-Nitrophenol	0.51U	mg/Kg	0.25	0.51	1.0	1	08/04/2024 08:00	08/06/2024 20:26	J
Acenaphthene	0.015U	mg/Kg	0.0076	0.015	0.030	1	08/04/2024 08:00	08/06/2024 20:26	J
Acenaphthylene	0.015U	mg/Kg	0.0076	0.015	0.030	1	08/04/2024 08:00	08/06/2024 20:26	J
Acetophenone	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
Anthracene	0.015U	mg/Kg	0.0076	0.015	0.030	1	08/04/2024 08:00	08/06/2024 20:26	J
Atrazine	0.51U	mg/Kg	0.25	0.51	1.0	1	08/04/2024 08:00	08/06/2024 20:26	J
Benzaldehyde	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
Benzo[a]anthracene	0.015U	mg/Kg	0.0076	0.015	0.030	1	08/04/2024 08:00	08/06/2024 20:26	J
Benzo[a]pyrene	0.024U	mg/Kg	0.012	0.024	0.049	1	08/04/2024 08:00	08/06/2024 20:26	J
Benzo[b]fluoranthene	0.015U	mg/Kg	0.0076	0.015	0.030	1	08/04/2024 08:00	08/06/2024 20:26	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208008 **Date Collected:** 07/30/2024 10:40 **Matrix:** Soil
Sample ID: SB-9-7-8 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.015U	mg/Kg	0.0076	0.015	0.030	1	08/04/2024 08:00	08/06/2024 20:26	J
Benzo[k]fluoranthene	0.015U	mg/Kg	0.0076	0.015	0.030	1	08/04/2024 08:00	08/06/2024 20:26	J
Biphenyl	0.51U	mg/Kg	0.25	0.51	1.0	1	08/04/2024 08:00	08/06/2024 20:26	J
Butyl benzyl phthalate	0.51U	mg/Kg	0.25	0.51	1.0	1	08/04/2024 08:00	08/06/2024 20:26	J
Caprolactam	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
Carbazole	0.015U	mg/Kg	0.0076	0.015	0.030	1	08/04/2024 08:00	08/06/2024 20:26	J
Chrysene	0.015U	mg/Kg	0.0076	0.015	0.030	1	08/04/2024 08:00	08/06/2024 20:26	J
Di-n-Butyl Phthalate	0.52J	mg/Kg	0.25	0.51	1.0	1	08/04/2024 08:00	08/06/2024 20:26	J
Di-n-octyl Phthalate	0.51U	mg/Kg	0.25	0.51	1.0	1	08/04/2024 08:00	08/06/2024 20:26	J
Dibenzo[a,h]anthracene	0.015U	mg/Kg	0.0076	0.015	0.030	1	08/04/2024 08:00	08/06/2024 20:26	J
Dibenzofuran	0.015U	mg/Kg	0.0076	0.015	0.030	1	08/04/2024 08:00	08/06/2024 20:26	J
Diethyl phthalate	0.51U	mg/Kg	0.25	0.51	1.0	1	08/04/2024 08:00	08/06/2024 20:26	J
Dimethyl phthalate	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
Fluoranthene	0.015U	mg/Kg	0.0076	0.015	0.030	1	08/04/2024 08:00	08/06/2024 20:26	J
Fluorene	0.015U	mg/Kg	0.0076	0.015	0.030	1	08/04/2024 08:00	08/06/2024 20:26	J
Hexachlorobenzene	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
Hexachlorobutadiene	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
Hexachlorocyclopentadiene	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
Hexachloroethane	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
Indeno(1,2,3-cd)pyrene	0.015U	mg/Kg	0.0076	0.015	0.030	1	08/04/2024 08:00	08/06/2024 20:26	J
Isophorone	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
N-Nitrosodi-n-propylamine	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
N-Nitrosodiphenylamine	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
Naphthalene	0.015U	mg/Kg	0.0076	0.015	0.030	1	08/04/2024 08:00	08/06/2024 20:26	J
Nitrobenzene	0.51U	mg/Kg	0.25	0.51	1.0	1	08/04/2024 08:00	08/06/2024 20:26	J
Pentachlorophenol	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
Phenanthrene	0.015U	mg/Kg	0.0076	0.015	0.030	1	08/04/2024 08:00	08/06/2024 20:26	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208008 **Date Collected:** 07/30/2024 10:40 **Matrix:** Soil
Sample ID: SB-9-7-8 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	0.51U	mg/Kg	0.25	0.51	1.0	1	08/04/2024 08:00	08/06/2024 20:26	J
Pyrene	0.015U	mg/Kg	0.0076	0.015	0.030	1	08/04/2024 08:00	08/06/2024 20:26	J
bis(2-Chloroethyl)Ether	0.25U	mg/Kg	0.13	0.25	0.51	1	08/04/2024 08:00	08/06/2024 20:26	J
bis(2-Ethylhexyl) phthalate	0.51U	mg/Kg	0.25	0.51	1.0	1	08/04/2024 08:00	08/06/2024 20:26	J
(SM 2540G)									
Percent Moisture	**35**	%		0.0010	0.0010	1	08/07/2024 16:38	08/07/2024 16:38	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
1,1,2,2-Tetrachloroethane	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
1,1,2-Trichloroethane	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
1,1,2-Trichlorotrifluoroethane	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
1,1-Dichloroethane	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
1,1-Dichloroethylene	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
1,2,4-Trichlorobenzene	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
1,2-Dibromo-3-Chloropropane	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
1,2-Dichlorobenzene	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
1,2-Dichloroethane	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
1,2-Dichloropropane	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
1,3-Dichlorobenzene	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
1,4-Dichlorobenzene	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
1,4-Dioxane	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
2-Butanone (MEK)	0.0025J	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
2-Hexanone	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
4-Methyl-2-pentanone (MIBK)	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Acetone	**0.066**	mg/Kg	0.0023	0.0046	0.0091	1	08/07/2024 11:51	08/07/2024 16:07	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208008 **Date Collected:** 07/30/2024 10:40 **Matrix:** Soil
Sample ID: SB-9-7-8 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Bromodichloromethane	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Bromoform	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Bromomethane	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Carbon Disulfide	0.0019J	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Carbon Tetrachloride	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Chlorobenzene	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Chloroethane	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Chloroform	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Chloromethane	0.0046U	mg/Kg	0.0023	0.0046	0.0091	1	08/07/2024 11:51	08/07/2024 16:07	J
Cyclohexane	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Dibromochloromethane	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Dichlorodifluoromethane	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Ethylbenzene	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Ethylene Dibromide (EDB)	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Isopropylbenzene	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Methyl Acetate	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Methyl Cyclohexane	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Methyl tert-butyl Ether (MTBE)	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Methylene Chloride	0.0046U	mg/Kg	0.0023	0.0046	0.0091	1	08/07/2024 11:51	08/07/2024 16:07	J
Styrene	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Tetrachloroethylene (PCE)	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Toluene	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Trichloroethene	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Trichlorofluoromethane	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Vinyl Chloride	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
Xylene (Total)	0.0068U	mg/Kg	0.0034	0.0068	0.014	1	08/07/2024 11:51	08/07/2024 16:07	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208008 **Date Collected:** 07/30/2024 10:40 **Matrix:** Soil
Sample ID: SB-9-7-8 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
cis-1,3-Dichloropropene	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
trans-1,2-Dichloroethylene	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J
trans-1,3-Dichloropropylene	0.0023U	mg/Kg	0.0011	0.0023	0.0046	1	08/07/2024 11:51	08/07/2024 16:07	J

Analysis Results Comments

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Aldrin

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Endrin Aldehyde

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

alpha-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

gamma-Chlordane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	49.10	55.20	112	71 - 136	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Toluene-d8 (S)	ug/Kg	49.10	47.50	97	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	49.10	53.50	109	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0813	0.1220	**150**	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1630	0.2260	**139**	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1640	1370	84	39 - 132	J
Phenol-d6 (S)	ug/Kg	1640	1470	90	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1640	1570	96	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1640	1480	90	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1640	1440	88	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1640	1500	92	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1640	1610	98	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1640	1630	99	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0813	0.11	**135**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1630	0.2140	**132**	42 - 129	J
Tributylphosphate (S)	ug/Kg	163	141	87	63 - 111	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208009 **Date Collected:** 07/30/2024 11:45 **Matrix:** Soil
Sample ID: SB-5-0-2 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.4U	mg/Kg	0.70	1.4	2.8	1	08/07/2024 11:06	08/07/2024 20:30	J
Barium	**34**	mg/Kg	0.70	1.4	2.8	1	08/07/2024 11:06	08/07/2024 20:30	J
Cadmium	**0.39**	mg/Kg	0.070	0.14	0.28	1	08/07/2024 11:06	08/07/2024 20:30	J
Copper	**48**	mg/Kg	0.70	1.4	2.8	1	08/07/2024 11:06	08/07/2024 20:30	J
Nickel	**18**	mg/Kg	0.70	1.4	2.8	1	08/07/2024 11:06	08/07/2024 20:30	J
Silver	0.84J	mg/Kg	0.28	0.56	1.1	1	08/07/2024 11:06	08/07/2024 20:30	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.13J	mg/Kg	0.070	0.14	0.28	10	08/06/2024 07:15	08/07/2024 11:02	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.15**	mg/Kg	0.0018	0.0036	0.0071	1	08/12/2024 10:19	08/12/2024 14:21	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.022U	mg/Kg	0.011	0.022	0.043	10	08/05/2024 18:00	08/08/2024 01:06	J
4,4`-DDE	0.022U	mg/Kg	0.011	0.022	0.043	10	08/05/2024 18:00	08/08/2024 01:06	J
4,4`-DDT	0.22U	mg/Kg	0.11	0.22	0.43	50	08/05/2024 18:00	08/09/2024 19:43	J
Aldrin	0.022U	mg/Kg	0.011	0.022	0.043	10	08/05/2024 18:00	08/08/2024 01:06	J
Chlordane (technical)	0.39U	mg/Kg	0.19	0.39	0.77	10	08/05/2024 18:00	08/08/2024 01:06	J
Dieldrin	0.022U	mg/Kg	0.011	0.022	0.043	10	08/05/2024 18:00	08/08/2024 01:06	J
Endosulfan I	0.022U	mg/Kg	0.011	0.022	0.043	10	08/05/2024 18:00	08/08/2024 01:06	J
Endosulfan II	0.022U	mg/Kg	0.011	0.022	0.043	10	08/05/2024 18:00	08/08/2024 01:06	J
Endosulfan Sulfate	0.022U	mg/Kg	0.011	0.022	0.043	10	08/05/2024 18:00	08/08/2024 01:06	J
Endrin	0.043U	mg/Kg	0.022	0.043	0.086	10	08/05/2024 18:00	08/08/2024 01:06	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208009 **Date Collected:** 07/30/2024 11:45 **Matrix:** Soil
Sample ID: SB-5-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.022U	mg/Kg	0.011	0.022	0.043	10	08/05/2024 18:00	08/08/2024 01:06	J
Endrin ketone	0.022U	mg/Kg	0.011	0.022	0.043	10	08/05/2024 18:00	08/08/2024 01:06	J
Heptachlor	0.022U	mg/Kg	0.011	0.022	0.043	10	08/05/2024 18:00	08/08/2024 01:06	J
Heptachlor Epoxide	0.022U	mg/Kg	0.011	0.022	0.043	10	08/05/2024 18:00	08/08/2024 01:06	J
Methoxychlor	0.11U	mg/Kg	0.054	0.11	0.22	50	08/05/2024 18:00	08/09/2024 19:43	J
Toxaphene	0.65U	mg/Kg	0.32	0.65	1.3	10	08/05/2024 18:00	08/08/2024 01:06	J
alpha-BHC	0.022U	mg/Kg	0.011	0.022	0.043	10	08/05/2024 18:00	08/08/2024 01:06	J
alpha-Chlordane	0.043U	mg/Kg	0.032	0.043	0.086	10	08/05/2024 18:00	08/08/2024 01:06	J
beta-BHC	0.022U	mg/Kg	0.011	0.022	0.043	10	08/05/2024 18:00	08/08/2024 01:06	J
delta-BHC	0.022U	mg/Kg	0.011	0.022	0.043	10	08/05/2024 18:00	08/08/2024 01:06	J
gamma-BHC (Lindane)	0.022U	mg/Kg	0.011	0.022	0.043	10	08/05/2024 18:00	08/08/2024 01:06	J
gamma-Chlordane	0.043U	mg/Kg	0.022	0.043	0.086	10	08/05/2024 18:00	08/08/2024 01:06	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.65U	mg/Kg	0.32	0.65	1.3	10	08/05/2024 18:00	08/08/2024 12:47	J
Aroclor 1221 (PCB-1221)	0.65U	mg/Kg	0.32	0.65	1.3	10	08/05/2024 18:00	08/08/2024 12:47	J
Aroclor 1232 (PCB-1232)	0.65U	mg/Kg	0.32	0.65	1.3	10	08/05/2024 18:00	08/08/2024 12:47	J
Aroclor 1242 (PCB-1242)	0.65U	mg/Kg	0.32	0.65	1.3	10	08/05/2024 18:00	08/08/2024 12:47	J
Aroclor 1248 (PCB-1248)	0.65U	mg/Kg	0.32	0.65	1.3	10	08/05/2024 18:00	08/08/2024 12:47	J
Aroclor 1254 (PCB-1254)	0.65U	mg/Kg	0.32	0.65	1.3	10	08/05/2024 18:00	08/08/2024 12:47	J
Aroclor 1260 (PCB-1260)	0.65U	mg/Kg	0.32	0.65	1.3	10	08/05/2024 18:00	08/08/2024 12:47	J
Aroclor 1262 (PCB-1262)	0.65U	mg/Kg	0.32	0.65	1.3	10	08/05/2024 18:00	08/08/2024 12:47	J
Aroclor 1268 (PCB-1268)	0.65U	mg/Kg	0.32	0.65	1.3	10	08/05/2024 18:00	08/08/2024 12:47	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J
Azinphos-methyl	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J
Chlorpyrifos	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J
Chlorpyrifos-methyl	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208009 **Date Collected:** 07/30/2024 11:45 **Matrix:** Soil
Sample ID: SB-5-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J
Demeton-O	22U	ug/Kg	11	22	43	1	08/05/2024 18:00	08/14/2024 16:13	J
Demeton-S	22U	ug/Kg	11	22	43	1	08/05/2024 18:00	08/14/2024 16:13	J
Diazinon	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J
Dimethoate	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J
Disulfoton	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J
Ethion	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J
Ethoprop	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J
Famphur	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J
Fensulfothion	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J
Fonophos	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J
Malathion	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J
Merphos	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J
Methyl Parathion	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J
Mevinphos	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J
Parathion (Ethyl)	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J
Phorate	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J
Phosmet	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J
Ronnel	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J
Simazine	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J
Sulfotep	43U	ug/Kg	22	43	86	1	08/05/2024 18:00	08/14/2024 16:13	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
2,4,6-Trichlorophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
2,4-Dichlorophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
2,4-Dimethylphenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
2,4-Dinitrophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208009 **Date Collected:** 07/30/2024 11:45 **Matrix:** Soil
Sample ID: SB-5-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
2,6-Dinitrotoluene (2,6-DNT)	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
2-Chloronaphthalene	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 21:03	J
2-Chlorophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
2-Methyl-4,6-dinitrophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
2-Methylnaphthalene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 21:03	J
2-Methylphenol (o-Cresol)	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 21:03	J
2-Nitroaniline	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
2-Nitrophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
3+4-Methylphenol(mp-Cresol)	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 21:03	J
3,3`-Dichlorobenzidine	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
3-Nitroaniline	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 21:03	J
4-Bromophenyl Phenyl Ether	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
4-Chloro-3-methylphenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
4-Chloroaniline	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
4-Chlorophenyl Phenyl Ether	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
4-Nitroaniline	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 21:03	J
4-Nitrophenol	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 21:03	J
Acenaphthene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 21:03	J
Acenaphthylene	0.023J	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 21:03	J
Acetophenone	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
Anthracene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 21:03	J
Atrazine	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 21:03	J
Benzaldehyde	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
Benzo[a]anthracene	0.011J	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 21:03	J
Benzo[a]pyrene	0.011J	mg/Kg	0.011	0.022	0.044	1	08/04/2024 08:00	08/06/2024 21:03	J
Benzo[b]fluoranthene	0.010J	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 21:03	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208009 **Date Collected:** 07/30/2024 11:45 **Matrix:** Soil
Sample ID: SB-5-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.0080J	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 21:03	J
Benzo[k]fluoranthene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 21:03	J
Biphenyl	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 21:03	J
Butyl benzyl phthalate	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 21:03	J
Caprolactam	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
Carbazole	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 21:03	J
Chrysene	0.0090J	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 21:03	J
Di-n-Butyl Phthalate	0.47J	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 21:03	J
Di-n-octyl Phthalate	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 21:03	J
Dibenzo[a,h]anthracene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 21:03	J
Dibenzofuran	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 21:03	J
Diethyl phthalate	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 21:03	J
Dimethyl phthalate	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
Fluoranthene	0.0093J	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 21:03	J
Fluorene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 21:03	J
Hexachlorobenzene	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
Hexachlorobutadiene	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
Hexachlorocyclopentadiene	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
Hexachloroethane	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
Indeno(1,2,3-cd)pyrene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 21:03	J
Isophorone	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
N-Nitrosodi-n-propylamine	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
N-Nitrosodiphenylamine	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
Naphthalene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 21:03	J
Nitrobenzene	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 21:03	J
Pentachlorophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
Phenanthrene	0.014U	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 21:03	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208009 **Date Collected:** 07/30/2024 11:45 **Matrix:** Soil
Sample ID: SB-5-0-2 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 21:03	J
Pyrene	0.013J	mg/Kg	0.0068	0.014	0.027	1	08/04/2024 08:00	08/06/2024 21:03	J
bis(2-Chloroethyl)Ether	0.23U	mg/Kg	0.11	0.23	0.46	1	08/04/2024 08:00	08/06/2024 21:03	J
bis(2-Ethylhexyl) phthalate	0.46U	mg/Kg	0.23	0.46	0.91	1	08/04/2024 08:00	08/06/2024 21:03	J
(SM 2540G)									
Percent Moisture	**27**	%		0.0010	0.0010	1	08/07/2024 16:38	08/07/2024 16:38	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
1,1,2,2-Tetrachloroethane	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
1,1,2-Trichloroethane	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
1,1,2-Trichlorotrifluoroethane	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
1,1-Dichloroethane	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
1,1-Dichloroethylene	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
1,2,4-Trichlorobenzene	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
1,2-Dibromo-3-Chloropropane	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
1,2-Dichlorobenzene	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
1,2-Dichloroethane	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
1,2-Dichloropropane	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
1,3-Dichlorobenzene	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
1,4-Dichlorobenzene	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
1,4-Dioxane	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
2-Butanone (MEK)	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208009 **Date Collected:** 07/30/2024 11:45 **Matrix:** Soil
Sample ID: SB-5-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2-Hexanone	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
4-Methyl-2-pentanone (MIBK)	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Acetone	0.0038U	mg/Kg	0.0019	0.0038	0.0076	1	08/07/2024 11:51	08/07/2024 16:33	J
Benzene	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Bromodichloromethane	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Bromoform	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Bromomethane	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Carbon Disulfide	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Carbon Tetrachloride	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Chlorobenzene	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Chloroethane	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Chloroform	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Chloromethane	0.0038U	mg/Kg	0.0019	0.0038	0.0076	1	08/07/2024 11:51	08/07/2024 16:33	J
Cyclohexane	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Dibromochloromethane	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Dichlorodifluoromethane	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Ethylbenzene	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Ethylene Dibromide (EDB)	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Isopropylbenzene	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Methyl Acetate	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Methyl Cyclohexane	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Methyl tert-butyl Ether (MTBE)	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208009 **Date Collected:** 07/30/2024 11:45 **Matrix:** Soil
Sample ID: SB-5-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Methylene Chloride	0.0023J	mg/Kg	0.0019	0.0038	0.0076	1	08/07/2024 11:51	08/07/2024 16:33	J
Styrene	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Tetrachloroethylene (PCE)	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Toluene	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Trichloroethene	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Trichlorofluoromethane	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Vinyl Chloride	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
Xylene (Total)	0.0057U	mg/Kg	0.0029	0.0057	0.011	1	08/07/2024 11:51	08/07/2024 16:33	J
cis-1,2-Dichloroethylene	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
cis-1,3-Dichloropropene	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
trans-1,2-Dichloroethylene	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J
trans-1,3-Dichloropropylene	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/07/2024 11:51	08/07/2024 16:33	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Analysis Results Comments

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Aldrin

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Endrin Aldehyde

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

alpha-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

gamma-Chlordane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	46.20	52.50	114	71 - 136	J
Toluene-d8 (S)	ug/Kg	46.20	45.80	99	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	46.20	50.30	109	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0784	0.1150	146	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1570	0.2240	**143**	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1660	1370	83	39 - 132	J
Phenol-d6 (S)	ug/Kg	1660	1390	84	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1660	1430	86	44 - 115	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorophenol (S)	ug/Kg	1660	1390	84	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1660	1420	86	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1660	1500	91	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1660	1440	87	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1660	1560	94	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0784	0.1130	**144**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1570	0.2260	**144**	42 - 129	J
Tributylphosphate (S)	ug/Kg	157	132	84	63 - 111	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208010 **Date Collected:** 07/30/2024 12:05 **Matrix:** Soil
Sample ID: SB-5-6-7 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.4U	mg/Kg	0.72	1.4	2.9	1	08/07/2024 11:06	08/07/2024 20:41	J
Barium	**19**	mg/Kg	0.72	1.4	2.9	1	08/07/2024 11:06	08/07/2024 20:41	J
Cadmium	**0.37**	mg/Kg	0.072	0.14	0.29	1	08/07/2024 11:06	08/07/2024 20:41	J
Copper	**56**	mg/Kg	0.72	1.4	2.9	1	08/07/2024 11:06	08/07/2024 20:41	J
Nickel	**18**	mg/Kg	0.72	1.4	2.9	1	08/07/2024 11:06	08/07/2024 20:41	J
Silver	0.37J	mg/Kg	0.29	0.58	1.2	1	08/07/2024 11:06	08/07/2024 20:41	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.12J	mg/Kg	0.080	0.16	0.32	10	08/06/2024 07:15	08/07/2024 11:05	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.079**	mg/Kg	0.0018	0.0035	0.0070	1	08/12/2024 10:19	08/12/2024 14:30	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.25U	mg/Kg	0.12	0.25	0.49	100	08/05/2024 18:00	08/08/2024 01:27	J
4,4`-DDE	0.25U	mg/Kg	0.12	0.25	0.49	100	08/05/2024 18:00	08/08/2024 01:27	J
4,4`-DDT	0.49U	mg/Kg	0.25	0.49	0.98	100	08/05/2024 18:00	08/09/2024 20:04	J
Aldrin	0.25U	mg/Kg	0.12	0.25	0.49	100	08/05/2024 18:00	08/08/2024 01:27	J
Chlordane (technical)	4.4U	mg/Kg	2.2	4.4	8.8	100	08/05/2024 18:00	08/08/2024 01:27	J
Dieldrin	0.25U	mg/Kg	0.12	0.25	0.49	100	08/05/2024 18:00	08/08/2024 01:27	J
Endosulfan I	0.25U	mg/Kg	0.12	0.25	0.49	100	08/05/2024 18:00	08/08/2024 01:27	J
Endosulfan II	0.25U	mg/Kg	0.12	0.25	0.49	100	08/05/2024 18:00	08/08/2024 01:27	J
Endosulfan Sulfate	0.25U	mg/Kg	0.12	0.25	0.49	100	08/05/2024 18:00	08/08/2024 01:27	J
Endrin	0.49U	mg/Kg	0.25	0.49	0.98	100	08/05/2024 18:00	08/08/2024 01:27	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208010 **Date Collected:** 07/30/2024 12:05 **Matrix:** Soil
Sample ID: SB-5-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.25U	mg/Kg	0.12	0.25	0.49	100	08/05/2024 18:00	08/08/2024 01:27	J
Endrin ketone	0.25U	mg/Kg	0.12	0.25	0.49	100	08/05/2024 18:00	08/08/2024 01:27	J
Heptachlor	0.25U	mg/Kg	0.12	0.25	0.49	100	08/05/2024 18:00	08/08/2024 01:27	J
Heptachlor Epoxide	0.25U	mg/Kg	0.12	0.25	0.49	100	08/05/2024 18:00	08/08/2024 01:27	J
Methoxychlor	0.25U	mg/Kg	0.12	0.25	0.49	100	08/05/2024 18:00	08/09/2024 20:04	J
Toxaphene	7.4U	mg/Kg	3.7	7.4	15	100	08/05/2024 18:00	08/08/2024 01:27	J
alpha-BHC	0.25U	mg/Kg	0.12	0.25	0.49	100	08/05/2024 18:00	08/08/2024 01:27	J
alpha-Chlordane	0.49U	mg/Kg	0.37	0.49	0.98	100	08/05/2024 18:00	08/08/2024 01:27	J
beta-BHC	0.25U	mg/Kg	0.12	0.25	0.49	100	08/05/2024 18:00	08/08/2024 01:27	J
delta-BHC	0.25U	mg/Kg	0.12	0.25	0.49	100	08/05/2024 18:00	08/08/2024 01:27	J
gamma-BHC (Lindane)	0.25U	mg/Kg	0.12	0.25	0.49	100	08/05/2024 18:00	08/08/2024 01:27	J
gamma-Chlordane	0.49U	mg/Kg	0.25	0.49	0.98	100	08/05/2024 18:00	08/08/2024 01:27	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	7.4U	mg/Kg	3.7	7.4	15	100	08/05/2024 18:00	08/08/2024 13:07	J
Aroclor 1221 (PCB-1221)	7.4U	mg/Kg	3.7	7.4	15	100	08/05/2024 18:00	08/08/2024 13:07	J
Aroclor 1232 (PCB-1232)	7.4U	mg/Kg	3.7	7.4	15	100	08/05/2024 18:00	08/08/2024 13:07	J
Aroclor 1242 (PCB-1242)	7.4U	mg/Kg	3.7	7.4	15	100	08/05/2024 18:00	08/08/2024 13:07	J
Aroclor 1248 (PCB-1248)	7.4U	mg/Kg	3.7	7.4	15	100	08/05/2024 18:00	08/08/2024 13:07	J
Aroclor 1254 (PCB-1254)	7.4U	mg/Kg	3.7	7.4	15	100	08/05/2024 18:00	08/08/2024 13:07	J
Aroclor 1260 (PCB-1260)	7.4U	mg/Kg	3.7	7.4	15	100	08/05/2024 18:00	08/08/2024 13:07	J
Aroclor 1262 (PCB-1262)	7.4U	mg/Kg	3.7	7.4	15	100	08/05/2024 18:00	08/08/2024 13:07	J
Aroclor 1268 (PCB-1268)	7.4U	mg/Kg	3.7	7.4	15	100	08/05/2024 18:00	08/08/2024 13:07	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J
Azinphos-methyl	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J
Chlorpyrifos	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J
Chlorpyrifos-methyl	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208010 **Date Collected:** 07/30/2024 12:05 **Matrix:** Soil
Sample ID: SB-5-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J
Demeton-O	25U	ug/Kg	12	25	49	1	08/05/2024 18:00	08/14/2024 16:43	J
Demeton-S	25U	ug/Kg	12	25	49	1	08/05/2024 18:00	08/14/2024 16:43	J
Diazinon	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J
Dimethoate	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J
Disulfoton	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J
Ethion	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J
Ethoprop	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J
Famphur	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J
Fensulfothion	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J
Fonophos	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J
Malathion	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J
Merphos	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J
Methyl Parathion	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J
Mevinphos	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J
Parathion (Ethyl)	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J
Phorate	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J
Phosmet	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J
Ronnel	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J
Simazine	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J
Sulfotep	49U	ug/Kg	25	49	98	1	08/05/2024 18:00	08/14/2024 16:43	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
2,4,6-Trichlorophenol	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
2,4-Dichlorophenol	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
2,4-Dimethylphenol	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
2,4-Dinitrophenol	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208010 **Date Collected:** 07/30/2024 12:05 **Matrix:** Soil
Sample ID: SB-5-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
2,6-Dinitrotoluene (2,6-DNT)	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
2-Chloronaphthalene	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/07/2024 01:22	J
2-Chlorophenol	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
2-Methyl-4,6-dinitrophenol	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
2-Methylnaphthalene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/07/2024 01:22	J
2-Methylphenol (o-Cresol)	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/07/2024 01:22	J
2-Nitroaniline	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
2-Nitrophenol	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
3+4-Methylphenol(mp-Cresol)	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/07/2024 01:22	J
3,3`-Dichlorobenzidine	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
3-Nitroaniline	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/07/2024 01:22	J
4-Bromophenyl Phenyl Ether	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
4-Chloro-3-methylphenol	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
4-Chloroaniline	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
4-Chlorophenyl Phenyl Ether	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
4-Nitroaniline	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/07/2024 01:22	J
4-Nitrophenol	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/07/2024 01:22	J
Acenaphthene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/07/2024 01:22	J
Acenaphthylene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/07/2024 01:22	J
Acetophenone	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
Anthracene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/07/2024 01:22	J
Atrazine	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/07/2024 01:22	J
Benzaldehyde	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
Benzo[a]anthracene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/07/2024 01:22	J
Benzo[a]pyrene	0.024U	mg/Kg	0.012	0.024	0.048	1	08/04/2024 08:00	08/07/2024 01:22	J
Benzo[b]fluoranthene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/07/2024 01:22	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208010 **Date Collected:** 07/30/2024 12:05 **Matrix:** Soil
Sample ID: SB-5-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/07/2024 01:22	J
Benzo[k]fluoranthene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/07/2024 01:22	J
Biphenyl	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/07/2024 01:22	J
Butyl benzyl phthalate	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/07/2024 01:22	J
Caprolactam	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
Carbazole	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/07/2024 01:22	J
Chrysene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/07/2024 01:22	J
Di-n-Butyl Phthalate	0.44J	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/07/2024 01:22	J
Di-n-octyl Phthalate	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/07/2024 01:22	J
Dibenzo[a,h]anthracene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/07/2024 01:22	J
Dibenzofuran	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/07/2024 01:22	J
Diethyl phthalate	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/07/2024 01:22	J
Dimethyl phthalate	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
Fluoranthene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/07/2024 01:22	J
Fluorene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/07/2024 01:22	J
Hexachlorobenzene	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
Hexachlorobutadiene	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
Hexachlorocyclopentadiene	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
Hexachloroethane	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
Indeno(1,2,3-cd)pyrene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/07/2024 01:22	J
Isophorone	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
N-Nitrosodi-n-propylamine	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
N-Nitrosodiphenylamine	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
Naphthalene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/07/2024 01:22	J
Nitrobenzene	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/07/2024 01:22	J
Pentachlorophenol	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
Phenanthrene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/07/2024 01:22	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208010 **Date Collected:** 07/30/2024 12:05 **Matrix:** Soil
Sample ID: SB-5-6-7 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/07/2024 01:22	J
Pyrene	0.015U	mg/Kg	0.0075	0.015	0.030	1	08/04/2024 08:00	08/07/2024 01:22	J
bis(2-Chloroethyl)Ether	0.25U	mg/Kg	0.13	0.25	0.50	1	08/04/2024 08:00	08/07/2024 01:22	J
bis(2-Ethylhexyl) phthalate	0.50U	mg/Kg	0.25	0.50	1.0	1	08/04/2024 08:00	08/07/2024 01:22	J
(SM 2540G)									
Percent Moisture	**35**	%		0.0010	0.0010	1	08/07/2024 16:38	08/07/2024 16:38	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
1,1,2,2-Tetrachloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
1,1,2-Trichloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
1,1,2-Trichlorotrifluoroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
1,1-Dichloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
1,1-Dichloroethylene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
1,2,4-Trichlorobenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
1,2-Dibromo-3-Chloropropane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
1,2-Dichlorobenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
1,2-Dichloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
1,2-Dichloropropane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
1,3-Dichlorobenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
1,4-Dichlorobenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
1,4-Dioxane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
2-Butanone (MEK)	0.0027J	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
2-Hexanone	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
4-Methyl-2-pentanone (MIBK)	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Acetone	**0.098**	mg/Kg	0.0022	0.0045	0.0089	1	08/07/2024 11:51	08/07/2024 16:58	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208010 **Date Collected:** 07/30/2024 12:05 **Matrix:** Soil
Sample ID: SB-5-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Bromodichloromethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Bromoform	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Bromomethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Carbon Disulfide	**0.0046**	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Carbon Tetrachloride	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Chlorobenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Chloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Chloroform	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Chloromethane	0.0045U	mg/Kg	0.0022	0.0045	0.0089	1	08/07/2024 11:51	08/07/2024 16:58	J
Cyclohexane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Dibromochloromethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Dichlorodifluoromethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Ethylbenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Ethylene Dibromide (EDB)	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Isopropylbenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Methyl Acetate	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Methyl Cyclohexane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Methyl tert-butyl Ether (MTBE)	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Methylene Chloride	0.0045U	mg/Kg	0.0022	0.0045	0.0089	1	08/07/2024 11:51	08/07/2024 16:58	J
Styrene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Tetrachloroethylene (PCE)	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Toluene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Trichloroethene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Trichlorofluoromethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Vinyl Chloride	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
Xylene (Total)	0.0067U	mg/Kg	0.0034	0.0067	0.013	1	08/07/2024 11:51	08/07/2024 16:58	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208010 **Date Collected:** 07/30/2024 12:05 **Matrix:** Soil
Sample ID: SB-5-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
cis-1,3-Dichloropropene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
trans-1,2-Dichloroethylene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J
trans-1,3-Dichloropropylene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 16:58	J

Analysis Results Comments

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Aldrin

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Endrin Aldehyde

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

gamma-Chlordane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	48.80	57.20	117	71 - 136	J
Toluene-d8 (S)	ug/Kg	48.80	47.80	98	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	48.80	52.80	108	79 - 119	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/Kg	0.0804	0.1370	**170**	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1610	0.3280	**204**	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1640	1390	85	39 - 132	J
Phenol-d6 (S)	ug/Kg	1640	1270	77	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1640	1410	86	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1640	1320	81	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1640	1400	85	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1640	1470	89	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1640	1470	89	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1640	1550	94	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0804	0.1350	**168**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1610	0.35	**218**	42 - 129	J
Tributylphosphate (S)	ug/Kg	161	161	100	63 - 111	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208011 **Date Collected:** 07/30/2024 14:10 **Matrix:** Soil
Sample ID: SB-4-0-2 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.4U	mg/Kg	0.68	1.4	2.7	1	08/07/2024 11:06	08/07/2024 20:45	J
Barium	**33**	mg/Kg	0.68	1.4	2.7	1	08/07/2024 11:06	08/07/2024 20:45	J
Cadmium	**0.49**	mg/Kg	0.068	0.14	0.27	1	08/07/2024 11:06	08/07/2024 20:45	J
Copper	**58**	mg/Kg	0.68	1.4	2.7	1	08/07/2024 11:06	08/07/2024 20:45	J
Nickel	**20**	mg/Kg	0.68	1.4	2.7	1	08/07/2024 11:06	08/07/2024 20:45	J
Silver	0.65J	mg/Kg	0.27	0.54	1.1	1	08/07/2024 11:06	08/07/2024 20:45	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.097J	mg/Kg	0.070	0.14	0.28	10	08/06/2024 07:15	08/07/2024 11:16	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.27**	mg/Kg	0.0016	0.0033	0.0066	1	08/12/2024 10:19	08/12/2024 14:56	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 18:00	08/08/2024 01:48	J
4,4`-DDE	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 18:00	08/08/2024 01:48	J
4,4`-DDT	0.12U	mg/Kg	0.058	0.12	0.23	25	08/05/2024 18:00	08/09/2024 20:24	J
Aldrin	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 18:00	08/08/2024 01:48	J
Chlordane (technical)	0.21U	mg/Kg	0.10	0.21	0.41	5	08/05/2024 18:00	08/08/2024 01:48	J
Dieldrin	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 18:00	08/08/2024 01:48	J
Endosulfan I	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 18:00	08/08/2024 01:48	J
Endosulfan II	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 18:00	08/08/2024 01:48	J
Endosulfan Sulfate	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 18:00	08/08/2024 01:48	J
Endrin	0.023U	mg/Kg	0.012	0.023	0.046	5	08/05/2024 18:00	08/08/2024 01:48	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208011 **Date Collected:** 07/30/2024 14:10 **Matrix:** Soil
Sample ID: SB-4-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 18:00	08/08/2024 01:48	J
Endrin ketone	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 18:00	08/08/2024 01:48	J
Heptachlor	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 18:00	08/08/2024 01:48	J
Heptachlor Epoxide	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 18:00	08/08/2024 01:48	J
Methoxychlor	0.058U	mg/Kg	0.029	0.058	0.12	25	08/05/2024 18:00	08/09/2024 20:24	J
Toxaphene	0.35U	mg/Kg	0.17	0.35	0.69	5	08/05/2024 18:00	08/08/2024 01:48	J
alpha-BHC	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 18:00	08/08/2024 01:48	J
alpha-Chlordane	0.023U	mg/Kg	0.017	0.023	0.046	5	08/05/2024 18:00	08/08/2024 01:48	J
beta-BHC	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 18:00	08/08/2024 01:48	J
delta-BHC	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 18:00	08/08/2024 01:48	J
gamma-BHC (Lindane)	0.012U	mg/Kg	0.0058	0.012	0.023	5	08/05/2024 18:00	08/08/2024 01:48	J
gamma-Chlordane	0.023U	mg/Kg	0.012	0.023	0.046	5	08/05/2024 18:00	08/08/2024 01:48	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.35U	mg/Kg	0.17	0.35	0.69	5	08/05/2024 18:00	08/08/2024 13:28	J
Aroclor 1221 (PCB-1221)	0.35U	mg/Kg	0.17	0.35	0.69	5	08/05/2024 18:00	08/08/2024 13:28	J
Aroclor 1232 (PCB-1232)	0.35U	mg/Kg	0.17	0.35	0.69	5	08/05/2024 18:00	08/08/2024 13:28	J
Aroclor 1242 (PCB-1242)	0.35U	mg/Kg	0.17	0.35	0.69	5	08/05/2024 18:00	08/08/2024 13:28	J
Aroclor 1248 (PCB-1248)	0.35U	mg/Kg	0.17	0.35	0.69	5	08/05/2024 18:00	08/08/2024 13:28	J
Aroclor 1254 (PCB-1254)	0.35U	mg/Kg	0.17	0.35	0.69	5	08/05/2024 18:00	08/08/2024 13:28	J
Aroclor 1260 (PCB-1260)	0.35U	mg/Kg	0.17	0.35	0.69	5	08/05/2024 18:00	08/08/2024 13:28	J
Aroclor 1262 (PCB-1262)	0.35U	mg/Kg	0.17	0.35	0.69	5	08/05/2024 18:00	08/08/2024 13:28	J
Aroclor 1268 (PCB-1268)	0.35U	mg/Kg	0.17	0.35	0.69	5	08/05/2024 18:00	08/08/2024 13:28	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J
Azinphos-methyl	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J
Chlorpyrifos	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J
Chlorpyrifos-methyl	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208011 **Date Collected:** 07/30/2024 14:10 **Matrix:** Soil
Sample ID: SB-4-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J
Demeton-O	23U	ug/Kg	12	23	46	1	08/05/2024 18:00	08/14/2024 17:14	J
Demeton-S	23U	ug/Kg	12	23	46	1	08/05/2024 18:00	08/14/2024 17:14	J
Diazinon	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J
Dimethoate	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J
Disulfoton	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J
Ethion	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J
Ethoprop	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J
Famphur	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J
Fensulfothion	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J
Fonophos	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J
Malathion	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J
Merphos	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J
Methyl Parathion	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J
Mevinphos	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J
Parathion (Ethyl)	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J
Phorate	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J
Phosmet	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J
Ronnel	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J
Simazine	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J
Sulfotep	46U	ug/Kg	23	46	92	1	08/05/2024 18:00	08/14/2024 17:14	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
2,4,6-Trichlorophenol	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
2,4-Dichlorophenol	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
2,4-Dimethylphenol	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
2,4-Dinitrophenol	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208011 **Date Collected:** 07/30/2024 14:10 **Matrix:** Soil
Sample ID: SB-4-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
2,6-Dinitrotoluene (2,6-DNT)	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
2-Chloronaphthalene	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/07/2024 01:59	J
2-Chlorophenol	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
2-Methyl-4,6-dinitrophenol	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
2-Methylnaphthalene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/07/2024 01:59	J
2-Methylphenol (o-Cresol)	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/07/2024 01:59	J
2-Nitroaniline	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
2-Nitrophenol	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
3+4-Methylphenol(mp-Cresol)	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/07/2024 01:59	J
3,3`-Dichlorobenzidine	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
3-Nitroaniline	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/07/2024 01:59	J
4-Bromophenyl Phenyl Ether	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
4-Chloro-3-methylphenol	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
4-Chloroaniline	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
4-Chlorophenyl Phenyl Ether	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
4-Nitroaniline	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/07/2024 01:59	J
4-Nitrophenol	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/07/2024 01:59	J
Acenaphthene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/07/2024 01:59	J
Acenaphthylene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/07/2024 01:59	J
Acetophenone	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
Anthracene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/07/2024 01:59	J
Atrazine	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/07/2024 01:59	J
Benzaldehyde	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
Benzo[a]anthracene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/07/2024 01:59	J
Benzo[a]pyrene	0.023U	mg/Kg	0.011	0.023	0.045	1	08/04/2024 08:00	08/07/2024 01:59	J
Benzo[b]fluoranthene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/07/2024 01:59	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208011 **Date Collected:** 07/30/2024 14:10 **Matrix:** Soil
Sample ID: SB-4-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/07/2024 01:59	J
Benzo[k]fluoranthene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/07/2024 01:59	J
Biphenyl	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/07/2024 01:59	J
Butyl benzyl phthalate	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/07/2024 01:59	J
Caprolactam	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
Carbazole	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/07/2024 01:59	J
Chrysene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/07/2024 01:59	J
Di-n-Butyl Phthalate	0.47J	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/07/2024 01:59	J
Di-n-octyl Phthalate	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/07/2024 01:59	J
Dibenzo[a,h]anthracene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/07/2024 01:59	J
Dibenzofuran	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/07/2024 01:59	J
Diethyl phthalate	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/07/2024 01:59	J
Dimethyl phthalate	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
Fluoranthene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/07/2024 01:59	J
Fluorene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/07/2024 01:59	J
Hexachlorobenzene	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
Hexachlorobutadiene	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
Hexachlorocyclopentadiene	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
Hexachloroethane	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
Indeno(1,2,3-cd)pyrene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/07/2024 01:59	J
Isophorone	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
N-Nitrosodi-n-propylamine	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
N-Nitrosodiphenylamine	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
Naphthalene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/07/2024 01:59	J
Nitrobenzene	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/07/2024 01:59	J
Pentachlorophenol	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
Phenanthrene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/07/2024 01:59	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208011 **Date Collected:** 07/30/2024 14:10 **Matrix:** Soil
Sample ID: SB-4-0-2 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/07/2024 01:59	J
Pyrene	0.014U	mg/Kg	0.0071	0.014	0.028	1	08/04/2024 08:00	08/07/2024 01:59	J
bis(2-Chloroethyl)Ether	0.24U	mg/Kg	0.12	0.24	0.47	1	08/04/2024 08:00	08/07/2024 01:59	J
bis(2-Ethylhexyl) phthalate	0.47U	mg/Kg	0.24	0.47	0.95	1	08/04/2024 08:00	08/07/2024 01:59	J
(SM 2540G)									
Percent Moisture	**30**	%		0.0010	0.0010	1	08/07/2024 16:38	08/07/2024 16:38	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
1,1,2,2-Tetrachloroethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
1,1,2-Trichloroethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
1,1,2-Trichlorotrifluoroethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
1,1-Dichloroethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
1,1-Dichloroethylene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
1,2,4-Trichlorobenzene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
1,2-Dibromo-3-Chloropropane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
1,2-Dichlorobenzene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
1,2-Dichloroethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
1,2-Dichloropropane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
1,3-Dichlorobenzene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
1,4-Dichlorobenzene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
1,4-Dioxane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
2-Butanone (MEK)	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208011 **Date Collected:** 07/30/2024 14:10 **Matrix:** Soil
Sample ID: SB-4-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2-Hexanone	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
4-Methyl-2-pentanone (MIBK)	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Acetone	0.0040U	mg/Kg	0.0020	0.0040	0.0079	1	08/07/2024 11:51	08/07/2024 17:24	J
Benzene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Bromodichloromethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Bromoform	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Bromomethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Carbon Disulfide	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Carbon Tetrachloride	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Chlorobenzene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Chloroethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Chloroform	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Chloromethane	0.0040U	mg/Kg	0.0020	0.0040	0.0079	1	08/07/2024 11:51	08/07/2024 17:24	J
Cyclohexane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Dibromochloromethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Dichlorodifluoromethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Ethylbenzene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Ethylene Dibromide (EDB)	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Isopropylbenzene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Methyl Acetate	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Methyl Cyclohexane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Methyl tert-butyl Ether (MTBE)	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208011 **Date Collected:** 07/30/2024 14:10 **Matrix:** Soil
Sample ID: SB-4-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Methylene Chloride	0.0023J	mg/Kg	0.0020	0.0040	0.0079	1	08/07/2024 11:51	08/07/2024 17:24	J
Styrene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Tetrachloroethylene (PCE)	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Toluene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Trichloroethene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Trichlorofluoromethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Vinyl Chloride	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
Xylene (Total)	0.0059U	mg/Kg	0.0030	0.0059	0.012	1	08/07/2024 11:51	08/07/2024 17:24	J
cis-1,2-Dichloroethylene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
cis-1,3-Dichloropropene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
trans-1,2-Dichloroethylene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J
trans-1,3-Dichloropropylene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/07/2024 11:51	08/07/2024 17:24	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Analysis Results Comments

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Aldrin

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Endrin Aldehyde

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

alpha-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

gamma-Chlordane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	46.60	53.90	116	71 - 136	J
Toluene-d8 (S)	ug/Kg	46.60	43.90	94	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	46.60	51	110	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0812	0.1220	**151**	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1620	0.25	**154**	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1670	1150	69	39 - 132	J
Phenol-d6 (S)	ug/Kg	1670	1190	71	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1670	1220	73	44 - 115	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorophenol (S)	ug/Kg	1670	1180	71	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1670	1230	74	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1670	1290	78	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1670	1360	82	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1670	1410	84	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0812	0.1150	**142**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1620	0.2440	**150**	42 - 129	J
Tributylphosphate (S)	ug/Kg	162	147	90	63 - 111	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208012 **Date Collected:** 07/30/2024 14:35 **Matrix:** Soil
Sample ID: SB-4-4-5 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.5U	mg/Kg	0.76	1.5	3.0	1	08/07/2024 11:06	08/07/2024 20:48	J
Barium	**19**	mg/Kg	0.76	1.5	3.0	1	08/07/2024 11:06	08/07/2024 20:48	J
Cadmium	**0.43**	mg/Kg	0.076	0.15	0.30	1	08/07/2024 11:06	08/07/2024 20:48	J
Copper	**53**	mg/Kg	0.76	1.5	3.0	1	08/07/2024 11:06	08/07/2024 20:48	J
Nickel	**16**	mg/Kg	0.76	1.5	3.0	1	08/07/2024 11:06	08/07/2024 20:48	J
Silver	0.40J	mg/Kg	0.30	0.61	1.2	1	08/07/2024 11:06	08/07/2024 20:48	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.11J	mg/Kg	0.071	0.14	0.28	10	08/06/2024 07:15	08/07/2024 11:20	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.088**	mg/Kg	0.0020	0.0040	0.0081	1	08/12/2024 10:19	08/12/2024 14:59	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.25U	mg/Kg	0.12	0.25	0.50	100	08/05/2024 18:00	08/08/2024 02:09	J
4,4`-DDE	0.25U	mg/Kg	0.12	0.25	0.50	100	08/05/2024 18:00	08/08/2024 02:09	J
4,4`-DDT	0.50U	mg/Kg	0.25	0.50	0.99	100	08/05/2024 18:00	08/09/2024 20:45	J
Aldrin	0.25U	mg/Kg	0.12	0.25	0.50	100	08/05/2024 18:00	08/08/2024 02:09	J
Chlordane (technical)	4.5U	mg/Kg	2.2	4.5	8.9	100	08/05/2024 18:00	08/08/2024 02:09	J
Dieldrin	0.25U	mg/Kg	0.12	0.25	0.50	100	08/05/2024 18:00	08/08/2024 02:09	J
Endosulfan I	0.25U	mg/Kg	0.12	0.25	0.50	100	08/05/2024 18:00	08/08/2024 02:09	J
Endosulfan II	0.25U	mg/Kg	0.12	0.25	0.50	100	08/05/2024 18:00	08/08/2024 02:09	J
Endosulfan Sulfate	0.25U	mg/Kg	0.12	0.25	0.50	100	08/05/2024 18:00	08/08/2024 02:09	J
Endrin	0.50U	mg/Kg	0.25	0.50	0.99	100	08/05/2024 18:00	08/08/2024 02:09	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208012 **Date Collected:** 07/30/2024 14:35 **Matrix:** Soil
Sample ID: SB-4-4-5 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.25U	mg/Kg	0.12	0.25	0.50	100	08/05/2024 18:00	08/08/2024 02:09	J
Endrin ketone	0.25U	mg/Kg	0.12	0.25	0.50	100	08/05/2024 18:00	08/08/2024 02:09	J
Heptachlor	0.25U	mg/Kg	0.12	0.25	0.50	100	08/05/2024 18:00	08/08/2024 02:09	J
Heptachlor Epoxide	0.25U	mg/Kg	0.12	0.25	0.50	100	08/05/2024 18:00	08/08/2024 02:09	J
Methoxychlor	0.25U	mg/Kg	0.12	0.25	0.50	100	08/05/2024 18:00	08/09/2024 20:45	J
Toxaphene	7.4U	mg/Kg	3.7	7.4	15	100	08/05/2024 18:00	08/08/2024 02:09	J
alpha-BHC	0.25U	mg/Kg	0.12	0.25	0.50	100	08/05/2024 18:00	08/08/2024 02:09	J
alpha-Chlordane	0.50U	mg/Kg	0.37	0.50	0.99	100	08/05/2024 18:00	08/08/2024 02:09	J
beta-BHC	0.25U	mg/Kg	0.12	0.25	0.50	100	08/05/2024 18:00	08/08/2024 02:09	J
delta-BHC	0.25U	mg/Kg	0.12	0.25	0.50	100	08/05/2024 18:00	08/08/2024 02:09	J
gamma-BHC (Lindane)	0.25U	mg/Kg	0.12	0.25	0.50	100	08/05/2024 18:00	08/08/2024 02:09	J
gamma-Chlordane	0.50U	mg/Kg	0.25	0.50	0.99	100	08/05/2024 18:00	08/08/2024 02:09	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	7.4U	mg/Kg	3.7	7.4	15	100	08/05/2024 18:00	08/08/2024 13:49	J
Aroclor 1221 (PCB-1221)	7.4U	mg/Kg	3.7	7.4	15	100	08/05/2024 18:00	08/08/2024 13:49	J
Aroclor 1232 (PCB-1232)	7.4U	mg/Kg	3.7	7.4	15	100	08/05/2024 18:00	08/08/2024 13:49	J
Aroclor 1242 (PCB-1242)	7.4U	mg/Kg	3.7	7.4	15	100	08/05/2024 18:00	08/08/2024 13:49	J
Aroclor 1248 (PCB-1248)	7.4U	mg/Kg	3.7	7.4	15	100	08/05/2024 18:00	08/08/2024 13:49	J
Aroclor 1254 (PCB-1254)	7.4U	mg/Kg	3.7	7.4	15	100	08/05/2024 18:00	08/08/2024 13:49	J
Aroclor 1260 (PCB-1260)	7.4U	mg/Kg	3.7	7.4	15	100	08/05/2024 18:00	08/08/2024 13:49	J
Aroclor 1262 (PCB-1262)	7.4U	mg/Kg	3.7	7.4	15	100	08/05/2024 18:00	08/08/2024 13:49	J
Aroclor 1268 (PCB-1268)	7.4U	mg/Kg	3.7	7.4	15	100	08/05/2024 18:00	08/08/2024 13:49	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J
Azinphos-methyl	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J
Chlorpyrifos	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J
Chlorpyrifos-methyl	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208012 **Date Collected:** 07/30/2024 14:35 **Matrix:** Soil
Sample ID: SB-4-4-5 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J
Demeton-O	25U	ug/Kg	12	25	50	1	08/05/2024 18:00	08/14/2024 17:44	J
Demeton-S	25U	ug/Kg	12	25	50	1	08/05/2024 18:00	08/14/2024 17:44	J
Diazinon	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J
Dimethoate	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J
Disulfoton	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J
Ethion	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J
Ethoprop	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J
Famphur	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J
Fensulfothion	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J
Fonophos	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J
Malathion	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J
Merphos	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J
Methyl Parathion	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J
Mevinphos	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J
Parathion (Ethyl)	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J
Phorate	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J
Phosmet	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J
Ronnel	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J
Simazine	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J
Sulfotep	50U	ug/Kg	25	50	99	1	08/05/2024 18:00	08/14/2024 17:44	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
2,4,6-Trichlorophenol	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
2,4-Dichlorophenol	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
2,4-Dimethylphenol	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
2,4-Dinitrophenol	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208012 **Date Collected:** 07/30/2024 14:35 **Matrix:** Soil
Sample ID: SB-4-4-5 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
2,6-Dinitrotoluene (2,6-DNT)	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
2-Chloronaphthalene	0.51U	mg/Kg	0.26	0.51	1.0	1	08/04/2024 08:00	08/07/2024 02:36	J
2-Chlorophenol	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
2-Methyl-4,6-dinitrophenol	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
2-Methylnaphthalene	0.015U	mg/Kg	0.0077	0.015	0.031	1	08/04/2024 08:00	08/07/2024 02:36	J
2-Methylphenol (o-Cresol)	0.51U	mg/Kg	0.26	0.51	1.0	1	08/04/2024 08:00	08/07/2024 02:36	J
2-Nitroaniline	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
2-Nitrophenol	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
3+4-Methylphenol(mp-Cresol)	0.51U	mg/Kg	0.26	0.51	1.0	1	08/04/2024 08:00	08/07/2024 02:36	J
3,3`-Dichlorobenzidine	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
3-Nitroaniline	0.51U	mg/Kg	0.26	0.51	1.0	1	08/04/2024 08:00	08/07/2024 02:36	J
4-Bromophenyl Phenyl Ether	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
4-Chloro-3-methylphenol	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
4-Chloroaniline	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
4-Chlorophenyl Phenyl Ether	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
4-Nitroaniline	0.51U	mg/Kg	0.26	0.51	1.0	1	08/04/2024 08:00	08/07/2024 02:36	J
4-Nitrophenol	0.51U	mg/Kg	0.26	0.51	1.0	1	08/04/2024 08:00	08/07/2024 02:36	J
Acenaphthene	0.015U	mg/Kg	0.0077	0.015	0.031	1	08/04/2024 08:00	08/07/2024 02:36	J
Acenaphthylene	0.015U	mg/Kg	0.0077	0.015	0.031	1	08/04/2024 08:00	08/07/2024 02:36	J
Acetophenone	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
Anthracene	0.015U	mg/Kg	0.0077	0.015	0.031	1	08/04/2024 08:00	08/07/2024 02:36	J
Atrazine	0.51U	mg/Kg	0.26	0.51	1.0	1	08/04/2024 08:00	08/07/2024 02:36	J
Benzaldehyde	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
Benzo[a]anthracene	0.015U	mg/Kg	0.0077	0.015	0.031	1	08/04/2024 08:00	08/07/2024 02:36	J
Benzo[a]pyrene	0.025U	mg/Kg	0.012	0.025	0.049	1	08/04/2024 08:00	08/07/2024 02:36	J
Benzo[b]fluoranthene	0.015U	mg/Kg	0.0077	0.015	0.031	1	08/04/2024 08:00	08/07/2024 02:36	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208012 **Date Collected:** 07/30/2024 14:35 **Matrix:** Soil
Sample ID: SB-4-4-5 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.015U	mg/Kg	0.0077	0.015	0.031	1	08/04/2024 08:00	08/07/2024 02:36	J
Benzo[k]fluoranthene	0.015U	mg/Kg	0.0077	0.015	0.031	1	08/04/2024 08:00	08/07/2024 02:36	J
Biphenyl	0.51U	mg/Kg	0.26	0.51	1.0	1	08/04/2024 08:00	08/07/2024 02:36	J
Butyl benzyl phthalate	0.51U	mg/Kg	0.26	0.51	1.0	1	08/04/2024 08:00	08/07/2024 02:36	J
Caprolactam	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
Carbazole	0.015U	mg/Kg	0.0077	0.015	0.031	1	08/04/2024 08:00	08/07/2024 02:36	J
Chrysene	0.015U	mg/Kg	0.0077	0.015	0.031	1	08/04/2024 08:00	08/07/2024 02:36	J
Di-n-Butyl Phthalate	0.49J	mg/Kg	0.26	0.51	1.0	1	08/04/2024 08:00	08/07/2024 02:36	J
Di-n-octyl Phthalate	0.51U	mg/Kg	0.26	0.51	1.0	1	08/04/2024 08:00	08/07/2024 02:36	J
Dibenzo[a,h]anthracene	0.015U	mg/Kg	0.0077	0.015	0.031	1	08/04/2024 08:00	08/07/2024 02:36	J
Dibenzofuran	0.015U	mg/Kg	0.0077	0.015	0.031	1	08/04/2024 08:00	08/07/2024 02:36	J
Diethyl phthalate	0.51U	mg/Kg	0.26	0.51	1.0	1	08/04/2024 08:00	08/07/2024 02:36	J
Dimethyl phthalate	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
Fluoranthene	0.015U	mg/Kg	0.0077	0.015	0.031	1	08/04/2024 08:00	08/07/2024 02:36	J
Fluorene	0.015U	mg/Kg	0.0077	0.015	0.031	1	08/04/2024 08:00	08/07/2024 02:36	J
Hexachlorobenzene	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
Hexachlorobutadiene	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
Hexachlorocyclopentadiene	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
Hexachloroethane	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
Indeno(1,2,3-cd)pyrene	0.015U	mg/Kg	0.0077	0.015	0.031	1	08/04/2024 08:00	08/07/2024 02:36	J
Isophorone	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
N-Nitrosodi-n-propylamine	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
N-Nitrosodiphenylamine	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
Naphthalene	0.015U	mg/Kg	0.0077	0.015	0.031	1	08/04/2024 08:00	08/07/2024 02:36	J
Nitrobenzene	0.51U	mg/Kg	0.26	0.51	1.0	1	08/04/2024 08:00	08/07/2024 02:36	J
Pentachlorophenol	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
Phenanthrene	0.015U	mg/Kg	0.0077	0.015	0.031	1	08/04/2024 08:00	08/07/2024 02:36	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208012 **Date Collected:** 07/30/2024 14:35 **Matrix:** Soil
Sample ID: SB-4-4-5 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	0.51U	mg/Kg	0.26	0.51	1.0	1	08/04/2024 08:00	08/07/2024 02:36	J
Pyrene	0.015U	mg/Kg	0.0077	0.015	0.031	1	08/04/2024 08:00	08/07/2024 02:36	J
bis(2-Chloroethyl)Ether	0.26U	mg/Kg	0.13	0.26	0.51	1	08/04/2024 08:00	08/07/2024 02:36	J
bis(2-Ethylhexyl) phthalate	0.51U	mg/Kg	0.26	0.51	1.0	1	08/04/2024 08:00	08/07/2024 02:36	J
(SM 2540G)									
Percent Moisture	**35**	%		0.0010	0.0010	1	08/07/2024 16:38	08/07/2024 16:38	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
1,1,2,2-Tetrachloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
1,1,2-Trichloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
1,1,2-Trichlorotrifluoroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
1,1-Dichloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
1,1-Dichloroethylene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
1,2,4-Trichlorobenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
1,2-Dibromo-3-Chloropropane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
1,2-Dichlorobenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
1,2-Dichloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
1,2-Dichloropropane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
1,3-Dichlorobenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
1,4-Dichlorobenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
1,4-Dioxane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
2-Butanone (MEK)	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
2-Hexanone	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
4-Methyl-2-pentanone (MIBK)	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Acetone	**0.014**	mg/Kg	0.0022	0.0044	0.0089	1	08/07/2024 11:51	08/07/2024 17:50	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208012 **Date Collected:** 07/30/2024 14:35 **Matrix:** Soil
Sample ID: SB-4-4-5 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Bromodichloromethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Bromoform	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Bromomethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Carbon Disulfide	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Carbon Tetrachloride	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Chlorobenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Chloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Chloroform	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Chloromethane	0.0044U	mg/Kg	0.0022	0.0044	0.0089	1	08/07/2024 11:51	08/07/2024 17:50	J
Cyclohexane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Dibromochloromethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Dichlorodifluoromethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Ethylbenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Ethylene Dibromide (EDB)	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Isopropylbenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Methyl Acetate	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Methyl Cyclohexane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Methyl tert-butyl Ether (MTBE)	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Methylene Chloride	0.0044U	mg/Kg	0.0022	0.0044	0.0089	1	08/07/2024 11:51	08/07/2024 17:50	J
Styrene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Tetrachloroethylene (PCE)	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Toluene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Trichloroethene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Trichlorofluoromethane	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Vinyl Chloride	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
Xylene (Total)	0.0066U	mg/Kg	0.0033	0.0066	0.013	1	08/07/2024 11:51	08/07/2024 17:50	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208012 **Date Collected:** 07/30/2024 14:35 **Matrix:** Soil
Sample ID: SB-4-4-5 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
cis-1,3-Dichloropropene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
trans-1,2-Dichloroethylene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J
trans-1,3-Dichloropropylene	0.0022U	mg/Kg	0.0011	0.0022	0.0044	1	08/07/2024 11:51	08/07/2024 17:50	J

Analysis Results Comments

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Aldrin

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Endrin Aldehyde

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

alpha-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

gamma-Chlordane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	48.10	56.10	117	71 - 136	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Toluene-d8 (S)	ug/Kg	48.10	45.60	95	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	48.10	52	108	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0809	0.16	**198**	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1620	0.34	**210**	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1670	1090	66	39 - 132	J
Phenol-d6 (S)	ug/Kg	1670	1180	71	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1670	1260	76	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1670	1160	70	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1670	1280	77	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1670	1330	80	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1670	1280	77	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1670	1310	78	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0809	0.1590	**196**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1620	0.3610	**223**	42 - 129	J
Tributylphosphate (S)	ug/Kg	162	153	95	63 - 111	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208013 **Date Collected:** 07/31/2024 09:10 **Matrix:** Soil
Sample ID: SB-10-0-2 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.5U	mg/Kg	0.74	1.5	2.9	1	08/07/2024 11:06	08/07/2024 20:52	J
Barium	**55**	mg/Kg	0.74	1.5	2.9	1	08/07/2024 11:06	08/07/2024 20:52	J
Cadmium	**0.74**	mg/Kg	0.074	0.15	0.29	1	08/07/2024 11:06	08/07/2024 20:52	J
Copper	**63**	mg/Kg	0.74	1.5	2.9	1	08/07/2024 11:06	08/07/2024 20:52	J
Nickel	**22**	mg/Kg	0.74	1.5	2.9	1	08/07/2024 11:06	08/07/2024 20:52	J
Silver	0.85J	mg/Kg	0.29	0.59	1.2	1	08/07/2024 11:06	08/07/2024 20:52	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.13J	mg/Kg	0.071	0.14	0.28	10	08/06/2024 07:15	08/07/2024 11:23	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.30**	mg/Kg	0.0017	0.0034	0.0067	1	08/12/2024 10:19	08/12/2024 15:02	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.012U	mg/Kg	0.0059	0.012	0.024	5	08/05/2024 18:00	08/08/2024 02:29	J
4,4`-DDE	0.012U	mg/Kg	0.0059	0.012	0.024	5	08/05/2024 18:00	08/08/2024 02:29	J
4,4`-DDT	0.12U	mg/Kg	0.059	0.12	0.24	25	08/05/2024 18:00	08/09/2024 21:06	J
Aldrin	0.012U	mg/Kg	0.0059	0.012	0.024	5	08/05/2024 18:00	08/08/2024 02:29	J
Chlordane (technical)	0.21U	mg/Kg	0.11	0.21	0.43	5	08/05/2024 18:00	08/08/2024 02:29	J
Dieldrin	0.012U	mg/Kg	0.0059	0.012	0.024	5	08/05/2024 18:00	08/08/2024 02:29	J
Endosulfan I	0.012U	mg/Kg	0.0059	0.012	0.024	5	08/05/2024 18:00	08/08/2024 02:29	J
Endosulfan II	0.012U	mg/Kg	0.0059	0.012	0.024	5	08/05/2024 18:00	08/08/2024 02:29	J
Endosulfan Sulfate	0.012U	mg/Kg	0.0059	0.012	0.024	5	08/05/2024 18:00	08/08/2024 02:29	J
Endrin	0.024U	mg/Kg	0.012	0.024	0.048	5	08/05/2024 18:00	08/08/2024 02:29	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208013 **Date Collected:** 07/31/2024 09:10 **Matrix:** Soil
Sample ID: SB-10-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.012U	mg/Kg	0.0059	0.012	0.024	5	08/05/2024 18:00	08/08/2024 02:29	J
Endrin ketone	0.012U	mg/Kg	0.0059	0.012	0.024	5	08/05/2024 18:00	08/08/2024 02:29	J
Heptachlor	0.012U	mg/Kg	0.0059	0.012	0.024	5	08/05/2024 18:00	08/08/2024 02:29	J
Heptachlor Epoxide	0.012U	mg/Kg	0.0059	0.012	0.024	5	08/05/2024 18:00	08/08/2024 02:29	J
Methoxychlor	0.059U	mg/Kg	0.030	0.059	0.12	25	08/05/2024 18:00	08/09/2024 21:06	J
Toxaphene	0.36U	mg/Kg	0.18	0.36	0.71	5	08/05/2024 18:00	08/08/2024 02:29	J
alpha-BHC	0.012U	mg/Kg	0.0059	0.012	0.024	5	08/05/2024 18:00	08/08/2024 02:29	J
alpha-Chlordane	0.024U	mg/Kg	0.018	0.024	0.048	5	08/05/2024 18:00	08/08/2024 02:29	J
beta-BHC	0.012U	mg/Kg	0.0059	0.012	0.024	5	08/05/2024 18:00	08/08/2024 02:29	J
delta-BHC	0.012U	mg/Kg	0.0059	0.012	0.024	5	08/05/2024 18:00	08/08/2024 02:29	J
gamma-BHC (Lindane)	0.012U	mg/Kg	0.0059	0.012	0.024	5	08/05/2024 18:00	08/08/2024 02:29	J
gamma-Chlordane	0.024U	mg/Kg	0.012	0.024	0.048	5	08/05/2024 18:00	08/08/2024 02:29	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.36U	mg/Kg	0.18	0.36	0.71	5	08/05/2024 18:00	08/08/2024 11:45	J
Aroclor 1221 (PCB-1221)	0.36U	mg/Kg	0.18	0.36	0.71	5	08/05/2024 18:00	08/08/2024 11:45	J
Aroclor 1232 (PCB-1232)	0.36U	mg/Kg	0.18	0.36	0.71	5	08/05/2024 18:00	08/08/2024 11:45	J
Aroclor 1242 (PCB-1242)	0.36U	mg/Kg	0.18	0.36	0.71	5	08/05/2024 18:00	08/08/2024 11:45	J
Aroclor 1248 (PCB-1248)	0.36U	mg/Kg	0.18	0.36	0.71	5	08/05/2024 18:00	08/08/2024 11:45	J
Aroclor 1254 (PCB-1254)	0.36U	mg/Kg	0.18	0.36	0.71	5	08/05/2024 18:00	08/08/2024 11:45	J
Aroclor 1260 (PCB-1260)	0.36U	mg/Kg	0.18	0.36	0.71	5	08/05/2024 18:00	08/08/2024 11:45	J
Aroclor 1262 (PCB-1262)	0.36U	mg/Kg	0.18	0.36	0.71	5	08/05/2024 18:00	08/08/2024 11:45	J
Aroclor 1268 (PCB-1268)	0.36U	mg/Kg	0.18	0.36	0.71	5	08/05/2024 18:00	08/08/2024 11:45	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J
Azinphos-methyl	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J
Chlorpyrifos	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J
Chlorpyrifos-methyl	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208013 **Date Collected:** 07/31/2024 09:10 **Matrix:** Soil
Sample ID: SB-10-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J
Demeton-O	24U	ug/Kg	12	24	48	1	08/05/2024 18:00	08/14/2024 18:15	J
Demeton-S	24U	ug/Kg	12	24	48	1	08/05/2024 18:00	08/14/2024 18:15	J
Diazinon	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J
Dimethoate	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J
Disulfoton	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J
Ethion	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J
Ethoprop	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J
Famphur	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J
Fensulfothion	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J
Fonophos	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J
Malathion	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J
Merphos	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J
Methyl Parathion	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J
Mevinphos	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J
Parathion (Ethyl)	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J
Phorate	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J
Phosmet	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J
Ronnel	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J
Simazine	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J
Sulfotep	48U	ug/Kg	24	48	95	1	08/05/2024 18:00	08/14/2024 18:15	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
2,4,6-Trichlorophenol	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
2,4-Dichlorophenol	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
2,4-Dimethylphenol	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
2,4-Dinitrophenol	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208013 **Date Collected:** 07/31/2024 09:10 **Matrix:** Soil
Sample ID: SB-10-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
2,6-Dinitrotoluene (2,6-DNT)	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
2-Chloronaphthalene	0.48U	mg/Kg	0.24	0.48	0.97	1	08/04/2024 08:00	08/07/2024 03:13	J
2-Chlorophenol	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
2-Methyl-4,6-dinitrophenol	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
2-Methylnaphthalene	0.015U	mg/Kg	0.0073	0.015	0.029	1	08/04/2024 08:00	08/07/2024 03:13	J
2-Methylphenol (o-Cresol)	0.48U	mg/Kg	0.24	0.48	0.97	1	08/04/2024 08:00	08/07/2024 03:13	J
2-Nitroaniline	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
2-Nitrophenol	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
3+4-Methylphenol(mp-Cresol)	0.48U	mg/Kg	0.24	0.48	0.97	1	08/04/2024 08:00	08/07/2024 03:13	J
3,3`-Dichlorobenzidine	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
3-Nitroaniline	0.48U	mg/Kg	0.24	0.48	0.97	1	08/04/2024 08:00	08/07/2024 03:13	J
4-Bromophenyl Phenyl Ether	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
4-Chloro-3-methylphenol	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
4-Chloroaniline	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
4-Chlorophenyl Phenyl Ether	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
4-Nitroaniline	0.48U	mg/Kg	0.24	0.48	0.97	1	08/04/2024 08:00	08/07/2024 03:13	J
4-Nitrophenol	0.48U	mg/Kg	0.24	0.48	0.97	1	08/04/2024 08:00	08/07/2024 03:13	J
Acenaphthene	0.015U	mg/Kg	0.0073	0.015	0.029	1	08/04/2024 08:00	08/07/2024 03:13	J
Acenaphthylene	0.015U	mg/Kg	0.0073	0.015	0.029	1	08/04/2024 08:00	08/07/2024 03:13	J
Acetophenone	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
Anthracene	0.015U	mg/Kg	0.0073	0.015	0.029	1	08/04/2024 08:00	08/07/2024 03:13	J
Atrazine	0.48U	mg/Kg	0.24	0.48	0.97	1	08/04/2024 08:00	08/07/2024 03:13	J
Benzaldehyde	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
Benzo[a]anthracene	0.015U	mg/Kg	0.0073	0.015	0.029	1	08/04/2024 08:00	08/07/2024 03:13	J
Benzo[a]pyrene	0.023U	mg/Kg	0.012	0.023	0.047	1	08/04/2024 08:00	08/07/2024 03:13	J
Benzo[b]fluoranthene	0.015U	mg/Kg	0.0073	0.015	0.029	1	08/04/2024 08:00	08/07/2024 03:13	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208013 **Date Collected:** 07/31/2024 09:10 **Matrix:** Soil
Sample ID: SB-10-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.015U	mg/Kg	0.0073	0.015	0.029	1	08/04/2024 08:00	08/07/2024 03:13	J
Benzo[k]fluoranthene	0.015U	mg/Kg	0.0073	0.015	0.029	1	08/04/2024 08:00	08/07/2024 03:13	J
Biphenyl	0.48U	mg/Kg	0.24	0.48	0.97	1	08/04/2024 08:00	08/07/2024 03:13	J
Butyl benzyl phthalate	0.48U	mg/Kg	0.24	0.48	0.97	1	08/04/2024 08:00	08/07/2024 03:13	J
Caprolactam	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
Carbazole	0.015U	mg/Kg	0.0073	0.015	0.029	1	08/04/2024 08:00	08/07/2024 03:13	J
Chrysene	0.015U	mg/Kg	0.0073	0.015	0.029	1	08/04/2024 08:00	08/07/2024 03:13	J
Di-n-Butyl Phthalate	0.56J	mg/Kg	0.24	0.48	0.97	1	08/04/2024 08:00	08/07/2024 03:13	J
Di-n-octyl Phthalate	0.48U	mg/Kg	0.24	0.48	0.97	1	08/04/2024 08:00	08/07/2024 03:13	J
Dibenzo[a,h]anthracene	0.015U	mg/Kg	0.0073	0.015	0.029	1	08/04/2024 08:00	08/07/2024 03:13	J
Dibenzofuran	0.015U	mg/Kg	0.0073	0.015	0.029	1	08/04/2024 08:00	08/07/2024 03:13	J
Diethyl phthalate	0.48U	mg/Kg	0.24	0.48	0.97	1	08/04/2024 08:00	08/07/2024 03:13	J
Dimethyl phthalate	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
Fluoranthene	0.015U	mg/Kg	0.0073	0.015	0.029	1	08/04/2024 08:00	08/07/2024 03:13	J
Fluorene	0.015U	mg/Kg	0.0073	0.015	0.029	1	08/04/2024 08:00	08/07/2024 03:13	J
Hexachlorobenzene	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
Hexachlorobutadiene	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
Hexachlorocyclopentadiene	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
Hexachloroethane	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
Indeno(1,2,3-cd)pyrene	0.015U	mg/Kg	0.0073	0.015	0.029	1	08/04/2024 08:00	08/07/2024 03:13	J
Isophorone	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
N-Nitrosodi-n-propylamine	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
N-Nitrosodiphenylamine	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
Naphthalene	0.015U	mg/Kg	0.0073	0.015	0.029	1	08/04/2024 08:00	08/07/2024 03:13	J
Nitrobenzene	0.48U	mg/Kg	0.24	0.48	0.97	1	08/04/2024 08:00	08/07/2024 03:13	J
Pentachlorophenol	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
Phenanthrene	0.015U	mg/Kg	0.0073	0.015	0.029	1	08/04/2024 08:00	08/07/2024 03:13	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208013 **Date Collected:** 07/31/2024 09:10 **Matrix:** Soil
Sample ID: SB-10-0-2 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	0.48U	mg/Kg	0.24	0.48	0.97	1	08/04/2024 08:00	08/07/2024 03:13	J
Pyrene	0.015U	mg/Kg	0.0073	0.015	0.029	1	08/04/2024 08:00	08/07/2024 03:13	J
bis(2-Chloroethyl)Ether	0.24U	mg/Kg	0.12	0.24	0.48	1	08/04/2024 08:00	08/07/2024 03:13	J
bis(2-Ethylhexyl) phthalate	0.48U	mg/Kg	0.24	0.48	0.97	1	08/04/2024 08:00	08/07/2024 03:13	J
(SM 2540G)									
Percent Moisture	**32**	%		0.0010	0.0010	1	08/07/2024 16:38	08/07/2024 16:38	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
1,1,2,2-Tetrachloroethane	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
1,1,2-Trichloroethane	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
1,1,2-Trichlorotrifluoroethane	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
1,1-Dichloroethane	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
1,1-Dichloroethylene	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
1,2,4-Trichlorobenzene	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
1,2-Dibromo-3-Chloropropane	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
1,2-Dichlorobenzene	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
1,2-Dichloroethane	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
1,2-Dichloropropane	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
1,3-Dichlorobenzene	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
1,4-Dichlorobenzene	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
1,4-Dioxane	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
2-Butanone (MEK)	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
2-Hexanone	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
4-Methyl-2-pentanone (MIBK)	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Acetone	0.0041U	mg/Kg	0.0021	0.0041	0.0082	1	08/07/2024 11:51	08/07/2024 18:16	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208013 **Date Collected:** 07/31/2024 09:10 **Matrix:** Soil
Sample ID: SB-10-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Bromodichloromethane	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Bromoform	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Bromomethane	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Carbon Disulfide	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Carbon Tetrachloride	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Chlorobenzene	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Chloroethane	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Chloroform	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Chloromethane	0.0041U	mg/Kg	0.0021	0.0041	0.0082	1	08/07/2024 11:51	08/07/2024 18:16	J
Cyclohexane	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Dibromochloromethane	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Dichlorodifluoromethane	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Ethylbenzene	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Ethylene Dibromide (EDB)	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Isopropylbenzene	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Methyl Acetate	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Methyl Cyclohexane	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Methyl tert-butyl Ether (MTBE)	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Methylene Chloride	0.0041U	mg/Kg	0.0021	0.0041	0.0082	1	08/07/2024 11:51	08/07/2024 18:16	J
Styrene	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Tetrachloroethylene (PCE)	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Toluene	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Trichloroethene	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Trichlorofluoromethane	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Vinyl Chloride	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
Xylene (Total)	0.0062U	mg/Kg	0.0031	0.0062	0.012	1	08/07/2024 11:51	08/07/2024 18:16	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208013 **Date Collected:** 07/31/2024 09:10 **Matrix:** Soil
Sample ID: SB-10-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
cis-1,3-Dichloropropene	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
trans-1,2-Dichloroethylene	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J
trans-1,3-Dichloropropylene	0.0021U	mg/Kg	0.0010	0.0021	0.0041	1	08/07/2024 11:51	08/07/2024 18:16	J

Analysis Results Comments

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Aldrin

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Endrin Aldehyde

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

alpha-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

gamma-Chlordane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	46.30	52.80	114	71 - 136	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Toluene-d8 (S)	ug/Kg	46.30	44.30	96	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	46.30	50.20	108	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0803	0.1190	**148**	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1610	0.2350	**146**	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1640	1230	75	39 - 132	J
Phenol-d6 (S)	ug/Kg	1640	1260	77	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1640	1360	83	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1640	1300	79	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1640	1350	83	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1640	1410	86	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1640	1310	80	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1640	1410	86	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0803	0.1140	**142**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1610	0.2360	**147**	42 - 129	J
Tributylphosphate (S)	ug/Kg	161	142	89	63 - 111	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208014 **Date Collected:** 07/31/2024 11:15 **Matrix:** Soil
Sample ID: SB-3-0-2 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.4U	mg/Kg	0.68	1.4	2.7	1	08/07/2024 11:06	08/07/2024 20:56	J
Barium	**39**	mg/Kg	0.68	1.4	2.7	1	08/07/2024 11:06	08/07/2024 20:56	J
Cadmium	**0.57**	mg/Kg	0.068	0.14	0.27	1	08/07/2024 11:06	08/07/2024 20:56	J
Copper	**61**	mg/Kg	0.68	1.4	2.7	1	08/07/2024 11:06	08/07/2024 20:56	J
Nickel	**20**	mg/Kg	0.68	1.4	2.7	1	08/07/2024 11:06	08/07/2024 20:56	J
Silver	0.75J	mg/Kg	0.27	0.54	1.1	1	08/07/2024 11:06	08/07/2024 20:56	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.11J	mg/Kg	0.069	0.14	0.27	10	08/06/2024 07:15	08/07/2024 11:27	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.24**	mg/Kg	0.0018	0.0035	0.0070	1	08/12/2024 10:19	08/12/2024 15:05	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.011U	mg/Kg	0.0054	0.011	0.021	5	08/07/2024 10:00	08/14/2024 23:10	J
4,4`-DDE	0.011U	mg/Kg	0.0054	0.011	0.021	5	08/07/2024 10:00	08/14/2024 23:10	J
4,4`-DDT	0.021U	mg/Kg	0.011	0.021	0.043	5	08/07/2024 10:00	08/14/2024 23:10	J
Aldrin	0.011U	mg/Kg	0.0054	0.011	0.021	5	08/07/2024 10:00	08/14/2024 23:10	J
Chlordane (technical)	0.19U	mg/Kg	0.096	0.19	0.39	5	08/07/2024 10:00	08/14/2024 23:10	J
Dieldrin	0.011U	mg/Kg	0.0054	0.011	0.021	5	08/07/2024 10:00	08/14/2024 23:10	J
Endosulfan I	0.011U	mg/Kg	0.0054	0.011	0.021	5	08/07/2024 10:00	08/14/2024 23:10	J
Endosulfan II	0.011U	mg/Kg	0.0054	0.011	0.021	5	08/07/2024 10:00	08/14/2024 23:10	J
Endosulfan Sulfate	0.011U	mg/Kg	0.0054	0.011	0.021	5	08/07/2024 10:00	08/14/2024 23:10	J
Endrin	0.021U	mg/Kg	0.011	0.021	0.043	5	08/07/2024 10:00	08/14/2024 23:10	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208014 **Date Collected:** 07/31/2024 11:15 **Matrix:** Soil
Sample ID: SB-3-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.011U	mg/Kg	0.0054	0.011	0.021	5	08/07/2024 10:00	08/14/2024 23:10	J
Endrin ketone	0.011U	mg/Kg	0.0054	0.011	0.021	5	08/07/2024 10:00	08/14/2024 23:10	J
Heptachlor	0.011U	mg/Kg	0.0054	0.011	0.021	5	08/07/2024 10:00	08/14/2024 23:10	J
Heptachlor Epoxide	0.011U	mg/Kg	0.0054	0.011	0.021	5	08/07/2024 10:00	08/14/2024 23:10	J
Methoxychlor	0.011U	mg/Kg	0.0054	0.011	0.021	5	08/07/2024 10:00	08/14/2024 23:10	J
Toxaphene	0.32U	mg/Kg	0.16	0.32	0.64	5	08/07/2024 10:00	08/14/2024 23:10	J
alpha-BHC	0.011U	mg/Kg	0.0054	0.011	0.021	5	08/07/2024 10:00	08/14/2024 23:10	J
alpha-Chlordane	0.021U	mg/Kg	0.016	0.021	0.043	5	08/07/2024 10:00	08/14/2024 23:10	J
beta-BHC	0.011U	mg/Kg	0.0054	0.011	0.021	5	08/07/2024 10:00	08/14/2024 23:10	J
delta-BHC	0.011U	mg/Kg	0.0054	0.011	0.021	5	08/07/2024 10:00	08/14/2024 23:10	J
gamma-BHC (Lindane)	0.011U	mg/Kg	0.0054	0.011	0.021	5	08/07/2024 10:00	08/14/2024 23:10	J
gamma-Chlordane	0.021U	mg/Kg	0.011	0.021	0.043	5	08/07/2024 10:00	08/14/2024 23:10	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.32U	mg/Kg	0.16	0.32	0.64	5	08/07/2024 10:00	08/15/2024 04:19	J
Aroclor 1221 (PCB-1221)	0.32U	mg/Kg	0.16	0.32	0.64	5	08/07/2024 10:00	08/15/2024 04:19	J
Aroclor 1232 (PCB-1232)	0.32U	mg/Kg	0.16	0.32	0.64	5	08/07/2024 10:00	08/15/2024 04:19	J
Aroclor 1242 (PCB-1242)	0.32U	mg/Kg	0.16	0.32	0.64	5	08/07/2024 10:00	08/15/2024 04:19	J
Aroclor 1248 (PCB-1248)	0.32U	mg/Kg	0.16	0.32	0.64	5	08/07/2024 10:00	08/15/2024 04:19	J
Aroclor 1254 (PCB-1254)	0.32U	mg/Kg	0.16	0.32	0.64	5	08/07/2024 10:00	08/15/2024 04:19	J
Aroclor 1260 (PCB-1260)	0.32U	mg/Kg	0.16	0.32	0.64	5	08/07/2024 10:00	08/15/2024 04:19	J
Aroclor 1262 (PCB-1262)	0.32U	mg/Kg	0.16	0.32	0.64	5	08/07/2024 10:00	08/15/2024 04:19	J
Aroclor 1268 (PCB-1268)	0.32U	mg/Kg	0.16	0.32	0.64	5	08/07/2024 10:00	08/15/2024 04:19	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J
Azinphos-methyl	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J
Chlorpyrifos	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J
Chlorpyrifos-methyl	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208014 **Date Collected:** 07/31/2024 11:15 **Matrix:** Soil
Sample ID: SB-3-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J
Demeton-O	21U	ug/Kg	11	21	43	1	08/07/2024 10:00	08/13/2024 04:59	J
Demeton-S	21U	ug/Kg	11	21	43	1	08/07/2024 10:00	08/13/2024 04:59	J
Diazinon	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J
Dimethoate	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J
Disulfoton	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J
Ethion	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J
Ethoprop	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J
Famphur	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J
Fensulfothion	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J
Fonophos	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J
Malathion	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J
Merphos	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J
Methyl Parathion	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J
Mevinphos	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J
Parathion (Ethyl)	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J
Phorate	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J
Phosmet	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J
Ronnel	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J
Simazine	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J
Sulfotep	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 04:59	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
2,4,6-Trichlorophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
2,4-Dichlorophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
2,4-Dimethylphenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
2,4-Dinitrophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208014 **Date Collected:** 07/31/2024 11:15 **Matrix:** Soil
Sample ID: SB-3-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
2,6-Dinitrotoluene (2,6-DNT)	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
2-Chloronaphthalene	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 21:53	J
2-Chlorophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
2-Methyl-4,6-dinitrophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
2-Methylnaphthalene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 21:53	J
2-Methylphenol (o-Cresol)	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 21:53	J
2-Nitroaniline	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
2-Nitrophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
3+4-Methylphenol(mp-Cresol)	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 21:53	J
3,3`-Dichlorobenzidine	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
3-Nitroaniline	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 21:53	J
4-Bromophenyl Phenyl Ether	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
4-Chloro-3-methylphenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
4-Chloroaniline	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
4-Chlorophenyl Phenyl Ether	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
4-Nitroaniline	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 21:53	J
4-Nitrophenol	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 21:53	J
Acenaphthene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 21:53	J
Acenaphthylene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 21:53	J
Acetophenone	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
Anthracene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 21:53	J
Atrazine	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/14/2024 18:10	J
Benzaldehyde	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
Benzo[a]anthracene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 21:53	J
Benzo[a]pyrene	0.022U	mg/Kg	0.011	0.022	0.044	1	08/12/2024 06:00	08/12/2024 21:53	J
Benzo[b]fluoranthene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 21:53	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208014 **Date Collected:** 07/31/2024 11:15 **Matrix:** Soil
Sample ID: SB-3-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 21:53	J
Benzo[k]fluoranthene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 21:53	J
Biphenyl	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 21:53	J
Butyl benzyl phthalate	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 21:53	J
Caprolactam	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
Carbazole	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 21:53	J
Chrysene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 21:53	J
Di-n-Butyl Phthalate	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 21:53	J
Di-n-octyl Phthalate	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 21:53	J
Dibenzo[a,h]anthracene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 21:53	J
Dibenzofuran	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 21:53	J
Diethyl phthalate	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 21:53	J
Dimethyl phthalate	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
Fluoranthene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 21:53	J
Fluorene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 21:53	J
Hexachlorobenzene	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
Hexachlorobutadiene	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
Hexachlorocyclopentadiene	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
Hexachloroethane	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
Indeno(1,2,3-cd)pyrene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 21:53	J
Isophorone	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
N-Nitrosodi-n-propylamine	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
N-Nitrosodiphenylamine	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
Naphthalene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 21:53	J
Nitrobenzene	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 21:53	J
Pentachlorophenol	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
Phenanthrene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 21:53	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208014 **Date Collected:** 07/31/2024 11:15 **Matrix:** Soil
Sample ID: SB-3-0-2 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 21:53	J
Pyrene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 21:53	J
bis(2-Chloroethyl)Ether	0.23U	mg/Kg	0.11	0.23	0.46	1	08/12/2024 06:00	08/12/2024 21:53	J
bis(2-Ethylhexyl) phthalate	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 21:53	J
(SM 2540G)									
Percent Moisture	**26**	%		0.0010	0.0010	1	08/07/2024 16:38	08/07/2024 16:38	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
1,1,2,2-Tetrachloroethane	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
1,1,2-Trichloroethane	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
1,1,2-Trichlorotrifluoroethane	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
1,1-Dichloroethane	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
1,1-Dichloroethylene	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
1,2,4-Trichlorobenzene	0.0019U	mg/Kg	0.00095	0.0019	0.0038	1	08/12/2024 07:41	08/12/2024 09:49	J
1,2-Dibromo-3-Chloropropane	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
1,2-Dichlorobenzene	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
1,2-Dichloroethane	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
1,2-Dichloropropane	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
1,3-Dichlorobenzene	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
1,4-Dichlorobenzene	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
1,4-Dioxane	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
2-Butanone (MEK)	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208014 **Date Collected:** 07/31/2024 11:15 **Matrix:** Soil
Sample ID: SB-3-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2-Hexanone	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
4-Methyl-2-pentanone (MIBK)	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Acetone	0.0047J	mg/Kg	0.0019	0.0037	0.0075	1	08/08/2024 01:33	08/08/2024 03:16	J
Benzene	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Bromodichloromethane	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Bromoform	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Bromomethane	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Carbon Disulfide	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Carbon Tetrachloride	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Chlorobenzene	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Chloroethane	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Chloroform	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Chloromethane	0.0037U	mg/Kg	0.0019	0.0037	0.0075	1	08/08/2024 01:33	08/08/2024 03:16	J
Cyclohexane	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Dibromochloromethane	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Dichlorodifluoromethane	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Ethylbenzene	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Ethylene Dibromide (EDB)	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Isopropylbenzene	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Methyl Acetate	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Methyl Cyclohexane	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Methyl tert-butyl Ether (MTBE)	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208014 **Date Collected:** 07/31/2024 11:15 **Matrix:** Soil
Sample ID: SB-3-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Methylene Chloride	0.0037U	mg/Kg	0.0019	0.0037	0.0075	1	08/08/2024 01:33	08/08/2024 03:16	J
Styrene	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Tetrachloroethylene (PCE)	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Toluene	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Trichloroethene	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Trichlorofluoromethane	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Vinyl Chloride	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
Xylene (Total)	0.0056U	mg/Kg	0.0028	0.0056	0.011	1	08/08/2024 01:33	08/08/2024 03:16	J
cis-1,2-Dichloroethylene	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
cis-1,3-Dichloropropene	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
trans-1,2-Dichloroethylene	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J
trans-1,3-Dichloropropylene	0.0019U	mg/Kg	0.00094	0.0019	0.0037	1	08/08/2024 01:33	08/08/2024 03:16	J

Analysis Results Comments

1,1,1-Trichloroethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,1,2-Trichlorotrifluoroethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,1-Dichloroethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

1,1-Dichloroethylene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

1,2,4-Trichlorobenzene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Analysis Results Comments

1,2-Dichlorobenzene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,2-Dichloroethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,2-Dichloropropane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

1,3-Dichlorobenzene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,4-Dichlorobenzene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

2,4-Dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

2-Butanone (MEK)

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

2-Hexanone

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Benzene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Bromodichloromethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Carbon Disulfide

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Carbon Tetrachloride

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Analysis Results Comments

Chloroethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Chloroform

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Chloromethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Cyclohexane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Dichlorodifluoromethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Hexachlorocyclopentadiene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Isopropylbenzene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Methyl Acetate

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Methyl Cyclohexane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Methylene Chloride

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Toluene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Trichloroethene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Analysis Results Comments

Trichlorofluoromethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Vinyl Chloride

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

cis-1,2-Dichloroethylene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

trans-1,2-Dichloroethylene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	45.90	56.40	123	71 - 136	J
Toluene-d8 (S)	ug/Kg	45.90	43.90	96	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	45.90	49.20	107	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0789	0.1210	**154**	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1580	0.1760	112	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1690	1500	89	39 - 132	J
Phenol-d6 (S)	ug/Kg	1690	1420	84	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1690	1420	84	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1690	1390	83	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1690	1360	80	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1690	1430	85	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1690	1430	84	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1690	1630	97	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0789	0.1240	**158**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1580	0.1770	112	42 - 129	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	ug/Kg	158	160	102	63 - 111	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208015 **Date Collected:** 07/31/2024 11:40 **Matrix:** Soil
Sample ID: SB-3-6-7 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.5U	mg/Kg	0.73	1.5	2.9	1	08/07/2024 11:06	08/07/2024 21:00	J
Barium	**30**	mg/Kg	0.73	1.5	2.9	1	08/07/2024 11:06	08/07/2024 21:00	J
Cadmium	0.26J	mg/Kg	0.073	0.15	0.29	1	08/07/2024 11:06	08/07/2024 21:00	J
Copper	**47**	mg/Kg	0.73	1.5	2.9	1	08/07/2024 11:06	08/07/2024 21:00	J
Nickel	**16**	mg/Kg	0.73	1.5	2.9	1	08/07/2024 11:06	08/07/2024 21:00	J
Silver	0.79J	mg/Kg	0.29	0.59	1.2	1	08/07/2024 11:06	08/07/2024 21:00	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.085J	mg/Kg	0.080	0.16	0.32	10	08/06/2024 07:15	08/07/2024 11:30	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.13**	mg/Kg	0.0018	0.0036	0.0071	1	08/12/2024 10:19	08/12/2024 15:08	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.024U	mg/Kg	0.012	0.024	0.048	10	08/07/2024 10:00	08/15/2024 02:36	J
4,4`-DDE	0.024U	mg/Kg	0.012	0.024	0.048	10	08/07/2024 10:00	08/15/2024 02:36	J
4,4`-DDT	0.24U	mg/Kg	0.12	0.24	0.48	50	08/07/2024 10:00	08/18/2024 02:46	J
Aldrin	0.024U	mg/Kg	0.012	0.024	0.048	10	08/07/2024 10:00	08/15/2024 02:36	J
Chlordane (technical)	0.43U	mg/Kg	0.21	0.43	0.86	10	08/07/2024 10:00	08/15/2024 02:36	J
Dieldrin	0.024U	mg/Kg	0.012	0.024	0.048	10	08/07/2024 10:00	08/15/2024 02:36	J
Endosulfan I	0.024U	mg/Kg	0.012	0.024	0.048	10	08/07/2024 10:00	08/15/2024 02:36	J
Endosulfan II	0.024U	mg/Kg	0.012	0.024	0.048	10	08/07/2024 10:00	08/15/2024 02:36	J
Endosulfan Sulfate	0.024U	mg/Kg	0.012	0.024	0.048	10	08/07/2024 10:00	08/15/2024 02:36	J
Endrin	0.048U	mg/Kg	0.024	0.048	0.095	10	08/07/2024 10:00	08/15/2024 02:36	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208015 **Date Collected:** 07/31/2024 11:40 **Matrix:** Soil
Sample ID: SB-3-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.024U	mg/Kg	0.012	0.024	0.048	10	08/07/2024 10:00	08/15/2024 02:36	J
Endrin ketone	0.024U	mg/Kg	0.012	0.024	0.048	10	08/07/2024 10:00	08/15/2024 02:36	J
Heptachlor	0.024U	mg/Kg	0.012	0.024	0.048	10	08/07/2024 10:00	08/15/2024 02:36	J
Heptachlor Epoxide	0.024U	mg/Kg	0.012	0.024	0.048	10	08/07/2024 10:00	08/15/2024 02:36	J
Methoxychlor	0.12U	mg/Kg	0.059	0.12	0.24	50	08/07/2024 10:00	08/18/2024 02:46	J
Toxaphene	0.71U	mg/Kg	0.36	0.71	1.4	10	08/07/2024 10:00	08/15/2024 02:36	J
alpha-BHC	0.024U	mg/Kg	0.012	0.024	0.048	10	08/07/2024 10:00	08/15/2024 02:36	J
alpha-Chlordane	0.048U	mg/Kg	0.036	0.048	0.095	10	08/07/2024 10:00	08/15/2024 02:36	J
beta-BHC	0.024U	mg/Kg	0.012	0.024	0.048	10	08/07/2024 10:00	08/15/2024 02:36	J
delta-BHC	0.024U	mg/Kg	0.012	0.024	0.048	10	08/07/2024 10:00	08/15/2024 02:36	J
gamma-BHC (Lindane)	0.024U	mg/Kg	0.012	0.024	0.048	10	08/07/2024 10:00	08/15/2024 02:36	J
gamma-Chlordane	0.048U	mg/Kg	0.024	0.048	0.095	10	08/07/2024 10:00	08/15/2024 02:36	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.71U	mg/Kg	0.36	0.71	1.4	10	08/07/2024 10:00	08/15/2024 04:40	J
Aroclor 1221 (PCB-1221)	0.71U	mg/Kg	0.36	0.71	1.4	10	08/07/2024 10:00	08/15/2024 04:40	J
Aroclor 1232 (PCB-1232)	0.71U	mg/Kg	0.36	0.71	1.4	10	08/07/2024 10:00	08/15/2024 04:40	J
Aroclor 1242 (PCB-1242)	0.71U	mg/Kg	0.36	0.71	1.4	10	08/07/2024 10:00	08/15/2024 04:40	J
Aroclor 1248 (PCB-1248)	0.71U	mg/Kg	0.36	0.71	1.4	10	08/07/2024 10:00	08/15/2024 04:40	J
Aroclor 1254 (PCB-1254)	0.71U	mg/Kg	0.36	0.71	1.4	10	08/07/2024 10:00	08/15/2024 04:40	J
Aroclor 1260 (PCB-1260)	0.71U	mg/Kg	0.36	0.71	1.4	10	08/07/2024 10:00	08/15/2024 04:40	J
Aroclor 1262 (PCB-1262)	0.71U	mg/Kg	0.36	0.71	1.4	10	08/07/2024 10:00	08/15/2024 04:40	J
Aroclor 1268 (PCB-1268)	0.71U	mg/Kg	0.36	0.71	1.4	10	08/07/2024 10:00	08/15/2024 04:40	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J
Azinphos-methyl	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J
Chlorpyrifos	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J
Chlorpyrifos-methyl	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208015 **Date Collected:** 07/31/2024 11:40 **Matrix:** Soil
Sample ID: SB-3-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J
Demeton-O	24U	ug/Kg	12	24	48	1	08/07/2024 10:00	08/13/2024 05:29	J
Demeton-S	24U	ug/Kg	12	24	48	1	08/07/2024 10:00	08/13/2024 05:29	J
Diazinon	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J
Dimethoate	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J
Disulfoton	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J
Ethion	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J
Ethoprop	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J
Famphur	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J
Fensulfothion	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J
Fonophos	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J
Malathion	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J
Merphos	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J
Methyl Parathion	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J
Mevinphos	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J
Parathion (Ethyl)	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J
Phorate	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J
Phosmet	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J
Ronnel	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J
Simazine	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J
Sulfotep	48U	ug/Kg	24	48	95	1	08/07/2024 10:00	08/13/2024 05:29	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
2,4,6-Trichlorophenol	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
2,4-Dichlorophenol	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
2,4-Dimethylphenol	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
2,4-Dinitrophenol	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208015 **Date Collected:** 07/31/2024 11:40 **Matrix:** Soil
Sample ID: SB-3-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
2,6-Dinitrotoluene (2,6-DNT)	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
2-Chloronaphthalene	0.49U	mg/Kg	0.25	0.49	0.99	1	08/12/2024 06:00	08/12/2024 22:32	J
2-Chlorophenol	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
2-Methyl-4,6-dinitrophenol	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
2-Methylnaphthalene	0.015U	mg/Kg	0.0074	0.015	0.030	1	08/12/2024 06:00	08/12/2024 22:32	J
2-Methylphenol (o-Cresol)	0.49U	mg/Kg	0.25	0.49	0.99	1	08/12/2024 06:00	08/12/2024 22:32	J
2-Nitroaniline	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
2-Nitrophenol	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
3+4-Methylphenol(mp-Cresol)	0.49U	mg/Kg	0.25	0.49	0.99	1	08/12/2024 06:00	08/12/2024 22:32	J
3,3`-Dichlorobenzidine	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
3-Nitroaniline	0.49U	mg/Kg	0.25	0.49	0.99	1	08/12/2024 06:00	08/12/2024 22:32	J
4-Bromophenyl Phenyl Ether	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
4-Chloro-3-methylphenol	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
4-Chloroaniline	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
4-Chlorophenyl Phenyl Ether	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
4-Nitroaniline	0.49U	mg/Kg	0.25	0.49	0.99	1	08/12/2024 06:00	08/12/2024 22:32	J
4-Nitrophenol	0.49U	mg/Kg	0.25	0.49	0.99	1	08/12/2024 06:00	08/12/2024 22:32	J
Acenaphthene	0.015U	mg/Kg	0.0074	0.015	0.030	1	08/12/2024 06:00	08/12/2024 22:32	J
Acenaphthylene	0.015U	mg/Kg	0.0074	0.015	0.030	1	08/12/2024 06:00	08/12/2024 22:32	J
Acetophenone	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
Anthracene	0.015U	mg/Kg	0.0074	0.015	0.030	1	08/12/2024 06:00	08/12/2024 22:32	J
Atrazine	0.49U	mg/Kg	0.25	0.49	0.99	1	08/12/2024 06:00	08/14/2024 18:50	J
Benzaldehyde	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
Benzo[a]anthracene	0.0091J	mg/Kg	0.0074	0.015	0.030	1	08/12/2024 06:00	08/12/2024 22:32	J
Benzo[a]pyrene	0.024U	mg/Kg	0.012	0.024	0.047	1	08/12/2024 06:00	08/12/2024 22:32	J
Benzo[b]fluoranthene	0.0097J	mg/Kg	0.0074	0.015	0.030	1	08/12/2024 06:00	08/12/2024 22:32	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208015 **Date Collected:** 07/31/2024 11:40 **Matrix:** Soil
Sample ID: SB-3-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.015U	mg/Kg	0.0074	0.015	0.030	1	08/12/2024 06:00	08/12/2024 22:32	J
Benzo[k]fluoranthene	0.015U	mg/Kg	0.0074	0.015	0.030	1	08/12/2024 06:00	08/12/2024 22:32	J
Biphenyl	0.49U	mg/Kg	0.25	0.49	0.99	1	08/12/2024 06:00	08/12/2024 22:32	J
Butyl benzyl phthalate	0.49U	mg/Kg	0.25	0.49	0.99	1	08/12/2024 06:00	08/12/2024 22:32	J
Caprolactam	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
Carbazole	0.015U	mg/Kg	0.0074	0.015	0.030	1	08/12/2024 06:00	08/12/2024 22:32	J
Chrysene	0.012J	mg/Kg	0.0074	0.015	0.030	1	08/12/2024 06:00	08/12/2024 22:32	J
Di-n-Butyl Phthalate	0.49U	mg/Kg	0.25	0.49	0.99	1	08/12/2024 06:00	08/12/2024 22:32	J
Di-n-octyl Phthalate	0.49U	mg/Kg	0.25	0.49	0.99	1	08/12/2024 06:00	08/12/2024 22:32	J
Dibenzo[a,h]anthracene	0.015U	mg/Kg	0.0074	0.015	0.030	1	08/12/2024 06:00	08/12/2024 22:32	J
Dibenzofuran	0.015U	mg/Kg	0.0074	0.015	0.030	1	08/12/2024 06:00	08/12/2024 22:32	J
Diethyl phthalate	0.49U	mg/Kg	0.25	0.49	0.99	1	08/12/2024 06:00	08/12/2024 22:32	J
Dimethyl phthalate	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
Fluoranthene	0.012J	mg/Kg	0.0074	0.015	0.030	1	08/12/2024 06:00	08/12/2024 22:32	J
Fluorene	0.015U	mg/Kg	0.0074	0.015	0.030	1	08/12/2024 06:00	08/12/2024 22:32	J
Hexachlorobenzene	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
Hexachlorobutadiene	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
Hexachlorocyclopentadiene	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
Hexachloroethane	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
Indeno(1,2,3-cd)pyrene	0.015U	mg/Kg	0.0074	0.015	0.030	1	08/12/2024 06:00	08/12/2024 22:32	J
Isophorone	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
N-Nitrosodi-n-propylamine	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
N-Nitrosodiphenylamine	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
Naphthalene	0.015U	mg/Kg	0.0074	0.015	0.030	1	08/12/2024 06:00	08/12/2024 22:32	J
Nitrobenzene	0.49U	mg/Kg	0.25	0.49	0.99	1	08/12/2024 06:00	08/12/2024 22:32	J
Pentachlorophenol	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
Phenanthrene	0.0080J	mg/Kg	0.0074	0.015	0.030	1	08/12/2024 06:00	08/12/2024 22:32	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208015 **Date Collected:** 07/31/2024 11:40 **Matrix:** Soil
Sample ID: SB-3-6-7 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	0.49U	mg/Kg	0.25	0.49	0.99	1	08/12/2024 06:00	08/12/2024 22:32	J
Pyrene	0.016J	mg/Kg	0.0074	0.015	0.030	1	08/12/2024 06:00	08/12/2024 22:32	J
bis(2-Chloroethyl)Ether	0.25U	mg/Kg	0.12	0.25	0.49	1	08/12/2024 06:00	08/12/2024 22:32	J
bis(2-Ethylhexyl) phthalate	0.49U	mg/Kg	0.25	0.49	0.99	1	08/12/2024 06:00	08/12/2024 22:32	J
(SM 2540G)									
Percent Moisture	**33**	%		0.0010	0.0010	1	08/07/2024 16:38	08/07/2024 16:38	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
1,1,2,2-Tetrachloroethane	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
1,1,2-Trichloroethane	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
1,1,2-Trichlorotrifluoroethane	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
1,1-Dichloroethane	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
1,1-Dichloroethylene	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
1,2,4-Trichlorobenzene	0.0023U	mg/Kg	0.0012	0.0023	0.0046	1	08/12/2024 07:41	08/12/2024 10:15	J
1,2-Dibromo-3-Chloropropane	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
1,2-Dichlorobenzene	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
1,2-Dichloroethane	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
1,2-Dichloropropane	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
1,3-Dichlorobenzene	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
1,4-Dichlorobenzene	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
1,4-Dioxane	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
2-Butanone (MEK)	0.0020J	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
2-Hexanone	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
4-Methyl-2-pentanone (MIBK)	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Acetone	**0.051**	mg/Kg	0.0024	0.0047	0.0094	1	08/08/2024 01:33	08/08/2024 03:41	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208015 **Date Collected:** 07/31/2024 11:40 **Matrix:** Soil
Sample ID: SB-3-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Bromodichloromethane	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Bromoform	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Bromomethane	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Carbon Disulfide	0.0036J	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Carbon Tetrachloride	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Chlorobenzene	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Chloroethane	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Chloroform	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Chloromethane	0.0047U	mg/Kg	0.0024	0.0047	0.0094	1	08/08/2024 01:33	08/08/2024 03:41	J
Cyclohexane	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Dibromochloromethane	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Dichlorodifluoromethane	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Ethylbenzene	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Ethylene Dibromide (EDB)	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Isopropylbenzene	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Methyl Acetate	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Methyl Cyclohexane	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Methyl tert-butyl Ether (MTBE)	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Methylene Chloride	0.0047U	mg/Kg	0.0024	0.0047	0.0094	1	08/08/2024 01:33	08/08/2024 03:41	J
Styrene	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Tetrachloroethylene (PCE)	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Toluene	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Trichloroethene	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Trichlorofluoromethane	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Vinyl Chloride	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
Xylene (Total)	0.0071U	mg/Kg	0.0035	0.0071	0.014	1	08/08/2024 01:33	08/08/2024 03:41	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Lab ID: J2411208015 **Date Collected:** 07/31/2024 11:40 **Matrix:** Soil
Sample ID: SB-3-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
cis-1,3-Dichloropropene	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
trans-1,2-Dichloroethylene	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J
trans-1,3-Dichloropropylene	0.0024U	mg/Kg	0.0012	0.0024	0.0047	1	08/08/2024 01:33	08/08/2024 03:41	J

Analysis Results Comments

1,1-Dichloroethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

1,1-Dichloroethylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

1,2,4-Trichlorobenzene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

1,2-Dichloropropane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

2,4-Dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Chloroethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Chloromethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Cyclohexane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Dichlorodifluoromethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Analysis Results Comments

Hexachlorocyclopentadiene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Trichlorofluoromethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Vinyl Chloride

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

cis-1,2-Dichloroethylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

trans-1,2-Dichloroethylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	52.50	65.60	125	71 - 136	J
Toluene-d8 (S)	ug/Kg	52.50	49.50	94	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	52.50	58.20	111	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0794	0.1140	144	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1590	0.2470	**156**	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1650	1370	83	39 - 132	J
Phenol-d6 (S)	ug/Kg	1650	1280	78	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1650	1330	80	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1650	1310	80	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1650	1240	75	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1650	1290	78	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1650	1320	80	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1650	1500	91	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0794	0.1110	**140**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1590	0.2530	**160**	42 - 129	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	ug/Kg	159	171	108	63 - 111	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Results

QC Batch: CVAj/2536 **Analysis Method:** DoD SW-846 7471A
Preparation Method: SW-846 7471A
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006, J2411208007, J2411208008, J2411208009

Method Blank(5429578)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Mercury	0.0025U	mg/Kg	0.0012	0.0025	0.0050	J

Lab Control Sample (5429579)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Mercury	mg/Kg	0.10	0.1	103	80 - 124	J

Matrix Spike (5429580); Matrix Spike Duplicate (5429581); Original (J2410906001); Parent Lab Sample (J2410906001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Mercury	mg/Kg	0.10	0.19	116	80 - 124	0.17	96	13	20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Results

QC Batch: CVAj/2537 **Analysis Method:** DoD SW-846 7471A
Preparation Method: SW-846 7471A
Associated Lab IDs: J2411208010, J2411208011, J2411208012, J2411208013, J2411208014, J2411208015

Method Blank(5429582)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Mercury	0.0025U	mg/Kg	0.0012	0.0025	0.0050	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Results

QC Batch: GCSj/6743 **Analysis Method:** DoD SW-846 8141B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006, J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013

Method Blank(5420581)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Mevinphos	32U	ug/Kg	16	32	65	J
Demeton	32U	ug/Kg	16	32	65	J
Ethoprop	32U	ug/Kg	16	32	65	J
Phorate	32U	ug/Kg	16	32	65	J
Diazinon	32U	ug/Kg	16	32	65	J
Disulfoton	32U	ug/Kg	16	32	65	J
Ronnel	32U	ug/Kg	16	32	65	J
Methyl Parathion	32U	ug/Kg	16	32	65	J
Chlorpyrifos	32U	ug/Kg	16	32	65	J
Merphos	32U	ug/Kg	16	32	65	J
Fensulfothion	32U	ug/Kg	16	32	65	J
Azinphos-methyl	32U	ug/Kg	16	32	65	J
Sulfotep	32U	ug/Kg	16	32	65	J
Dimethoate	32U	ug/Kg	16	32	65	J
Fonophos	32U	ug/Kg	16	32	65	J
Chlorpyrifos-methyl	32U	ug/Kg	16	32	65	J
Malathion	32U	ug/Kg	16	32	65	J
Parathion (Ethyl)	32U	ug/Kg	16	32	65	J
Ethion	32U	ug/Kg	16	32	65	J
Famphur	32U	ug/Kg	16	32	65	J
Phosmet	32U	ug/Kg	16	32	65	J
Atrazine	32U	ug/Kg	16	32	65	J
Simazine	32U	ug/Kg	16	32	65	J
Demeton-S	16U	ug/Kg	8.1	16	32	J
Demeton-O	16U	ug/Kg	8.1	16	32	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	mg/L	0.1620	0.1420	88	63 - 111	J

Matrix Spike (5420595); Matrix Spike Duplicate (5420596); Original (J2411211001); Parent Lab Sample (J2411211001)

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: GCSj/6743 **Analysis Method:** DoD SW-846 8141B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006, J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Mevinphos	ug/Kg	80	41	**51**	56 - 150	35	**48**	15	30	J
Demeton	ug/Kg	80	66	82	43 - 117	77	105	16	30	J
Ethoprop	ug/Kg	80	69	86	47 - 128	74	101	7	30	J
Phorate	ug/Kg	80	64	80	23 - 142	66	89	2.50	30	J
Diazinon	ug/Kg	80	66	82	42 - 134	74	100	12	30	J
Disulfoton	ug/Kg	80	59	74	28 - 145	72	97	19	30	J
Ronnel	ug/Kg	80	61	76	45 - 138	69	94	12	30	J
Methyl Parathion	ug/Kg	80	71	88	49 - 138	79	107	11	30	J
Chlorpyrifos	ug/Kg	80	65	81	47 - 140	73	100	13	30	J
Merphos	ug/Kg	80	59	73	33 - 180	68	93	15	30	J
Fensulfothion	ug/Kg	80	56	70	27 - 147	61	83	7.90	30	J
Azinphos-methyl	ug/Kg	80	58	72	38 - 156	68	92	16	30	J
Sulfotep	ug/Kg	80	80	99	52 - 126	77	104	3.50	30	J
Dimethoate	ug/Kg	80	14	17	16 - 139	9.1	**12**	**39**	30	J
Fonophos	ug/Kg	80	57	71	47 - 137	64	87	12	30	J
Chlorpyrifos-methyl	ug/Kg	80	60	75	55 - 130	74	100	20	30	J
Malathion	ug/Kg	80	74	92	49 - 138	86	117	16	30	J
Parathion (Ethyl)	ug/Kg	80	59	73	50 - 139	74	100	23	30	J
Ethion	ug/Kg	80	65	81	59 - 140	70	95	7.30	30	J
Famphur	ug/Kg	80	67	83	47 - 134	69	94	3.30	30	J
Phosmet	ug/Kg	80	67	83	63 - 146	70	95	4.70	30	J
Atrazine	ug/Kg	80	64	79	20 - 179	72	98	13	30	J
Simazine	ug/Kg	80	65	81	44 - 142	61	83	6.20	30	J
Demeton-S	ug/Kg	40	29	72	43 - 117	37	100	25	30	J
Demeton-O	ug/Kg	40	37	91	43 - 117	40	109	9	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Tributylphosphate (S)	mg/L	0.1610	0.1590	99	63 - 111	0.1510	102	5.10		J

Lab Control Sample (5420582)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Mevinphos	ug/Kg	81	59	73	56 - 150	J
Demeton	ug/Kg	81	64	79	43 - 117	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: GCSj/6743 **Analysis Method:** DoD SW-846 8141B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006, J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013

Parameter						
Ethoprop	ug/Kg	81	78	96	47 - 128	J
Diazinon	ug/Kg	81	66	82	42 - 134	J
Ronnel	ug/Kg	81	78	97	45 - 138	J
Chlorpyrifos	ug/Kg	81	77	95	47 - 140	J
Fensulfothion	ug/Kg	81	78	97	27 - 147	J
Sulfotep	ug/Kg	81	78	97	52 - 126	J
Fonophos	ug/Kg	81	71	88	47 - 137	J
Malathion	ug/Kg	81	79	98	49 - 138	J
Ethion	ug/Kg	81	84	104	59 - 140	J
Phosmet	ug/Kg	81	78	97	63 - 146	J
Simazine	ug/Kg	81	77	95	44 - 142	J
Demeton-O	ug/Kg	40	26	64	43 - 117	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	mg/L	0.1610	0.0973	**60**	63 - 111	J

QC Result Comments

Lab Control Sample - 5420582 - Mevinphos

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample - 5420582 - Phosmet

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Advanced Environmental Laboratories, Inc
6681 Southpoint Pkwy Jacksonville, FL 32216
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Result Comments

Matrix Spike - 5420595 - Atrazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Azinphos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Chlorpyrifos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Chlorpyrifos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Demeton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Demeton-O

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Demeton-S

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Diazinon

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Dimethoate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Disulfoton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Ethion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Ethoprop

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Famphur

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Fensulfothion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Fonophos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Malathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Result Comments

Matrix Spike - 5420595 - Merphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Methyl Parathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Mevinphos

*|MS/MSD recovery and/or RPD is out of criteria

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Parathion (Ethyl)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Phorate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Phosmet

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Ronnel

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Simazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Sulfotep

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Atrazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Azinphos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Chlorpyrifos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Chlorpyrifos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Demeton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Demeton-O

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Result Comments

Matrix Spike Duplicate - 5420596 - Demeton-S

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Diazinon

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Dimethoate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420596 - Disulfoton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Ethion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Ethoprop

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Famphur

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Fensulfothion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Fonophos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Malathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Merphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Methyl Parathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Mevinphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420596 - Parathion (Ethyl)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Phorate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Result Comments

Matrix Spike Duplicate - 5420596 - Phosmet

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Ronnel

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Simazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Sulfotep

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Results

QC Batch: GCSj/6745 **Analysis Method:** DOD SW-846 8081B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006

Method Blank(5420576)

Parameter	Results	Units	DL	LOD	LOQ	Lab
alpha-BHC	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
gamma-BHC (Lindane)	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
beta-BHC	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
delta-BHC	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
Heptachlor	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
Aldrin	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
Heptachlor Epoxide	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
gamma-Chlordane	0.0032U	mg/Kg	0.0016	0.0032	0.0065	J
alpha-Chlordane	0.0032U	mg/Kg	0.0024	0.0032	0.0065	J
Endosulfan I	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
4,4`-DDE	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
Dieldrin	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
Endrin	0.0032U	mg/Kg	0.0016	0.0032	0.0065	J
4,4`-DDD	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
Endosulfan II	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
Endrin Aldehyde	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
4,4`-DDT	0.0032U	mg/Kg	0.0016	0.0032	0.0065	J
Endosulfan Sulfate	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
Methoxychlor	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
Endrin ketone	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
Chlordane (technical)	0.029U	mg/Kg	0.015	0.029	0.058	J
Toxaphene	0.049U	mg/Kg	0.024	0.049	0.097	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0812	0.10	124	60 - 130	J
Tetrachloro-m-xylene (S)	mg/L	0.1620	0.1950	120	42 - 129	J

Lab Control Sample (5420577)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
alpha-BHC	mg/Kg	0.0160	0.015	93	45 - 137	J
gamma-BHC (Lindane)	mg/Kg	0.0160	0.017	106	49 - 135	J
beta-BHC	mg/Kg	0.0160	0.016	99	50 - 136	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: GCSj/6745 **Analysis Method:** DOD SW-846 8081B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
delta-BHC	mg/Kg	0.0160	0.019	114	47 - 139	J
Heptachlor	mg/Kg	0.0160	0.015	90	47 - 136	J
Aldrin	mg/Kg	0.0160	0.019	118	45 - 136	J
Heptachlor Epoxide	mg/Kg	0.0160	0.016	97	52 - 136	J
gamma-Chlordane	mg/Kg	0.0160	0.019	116	53 - 135	J
alpha-Chlordane	mg/Kg	0.0160	0.016	96	54 - 133	J
Endosulfan I	mg/Kg	0.0160	0.015	91	53 - 132	J
4,4`-DDE	mg/Kg	0.0160	0.018	111	56 - 134	J
Dieldrin	mg/Kg	0.0160	0.017	107	56 - 136	J
Endrin	mg/Kg	0.0160	0.017	105	57 - 140	J
4,4`-DDD	mg/Kg	0.0160	0.017	105	56 - 139	J
Endosulfan II	mg/Kg	0.0160	0.016	99	53 - 134	J
Endrin Aldehyde	mg/Kg	0.0160	0.016	96	35 - 137	J
4,4`-DDT	mg/Kg	0.0160	0.018	112	50 - 141	J
Endosulfan Sulfate	mg/Kg	0.0160	0.017	104	55 - 136	J
Methoxychlor	mg/Kg	0.0160	0.021	127	52 - 143	J
Endrin ketone	mg/Kg	0.0160	0.017	103	55 - 136	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0813	0.0849	104	60 - 130	J
Tetrachloro-m-xylene (S)	mg/L	0.1630	0.1480	91	42 - 129	J

Matrix Spike (5420578); Matrix Spike Duplicate (5420579); Original (J2411211001); Parent Lab Sample (J2411211001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
alpha-BHC	mg/Kg	0.0160	0.011	65	45 - 137	0.014	89	29	30	J
gamma-BHC (Lindane)	mg/Kg	0.0160	0.013	81	49 - 135	0.018	112	29	30	J
beta-BHC	mg/Kg	0.0160	0.015	94	50 - 136	0.018	114	17	30	J
delta-BHC	mg/Kg	0.0160	0.014	88	47 - 139	0.018	116	26	30	J
Heptachlor	mg/Kg	0.0160	0.013	80	47 - 136	0.016	102	21	30	J
Aldrin	mg/Kg	0.0160	0.019	115	45 - 136	0.016	103	14	30	J
Heptachlor Epoxide	mg/Kg	0.0160	0.013	78	52 - 136	0.016	100	22	30	J
gamma-Chlordane	mg/Kg	0.0160	0.011	66	53 - 135	0.013	84	21	30	J
alpha-Chlordane	mg/Kg	0.0160	0.012	74	54 - 133	0.015	98	25	30	J
Endosulfan I	mg/Kg	0.0160	0.012	76	53 - 132	0.015	94	19	30	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: GCSj/6745 **Analysis Method:** DOD SW-846 8081B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
4,4`-DDE	mg/Kg	0.0160	0.019	119	56 - 134	0.028	**175**	**35**	30	J
Dieldrin	mg/Kg	0.0160	0.011	69	56 - 136	0.014	90	23	30	J
Endrin	mg/Kg	0.0160	0.012	71	57 - 140	0.016	102	**33**	30	J
4,4`-DDD	mg/Kg	0.0160	0.011	65	56 - 139	0.015	96	**36**	30	J
Endosulfan II	mg/Kg	0.0160	0.01	64	53 - 134	0.014	88	29	30	J
Endrin Aldehyde	mg/Kg	0.0160	0.012	73	35 - 137	0.016	98	27	30	J
4,4`-DDT	mg/Kg	0.0160	0.018	110	50 - 141	0.018	115	1.50	30	J
Endosulfan Sulfate	mg/Kg	0.0160	0.013	82	55 - 136	0.017	104	21	30	J
Methoxychlor	mg/Kg	0.0160	0.015	93	52 - 143	0.018	116	20	30	J
Endrin ketone	mg/Kg	0.0160	0.011	68	55 - 136	0.014	86	20	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0817	0.0856	105	60 - 130	0.1030	129	18		J
Tetrachloro-m-xylene (S)	mg/L	0.1630	0.1550	95	42 - 129	0.2020	127	26		J

Matrix Spike (5420578); Matrix Spike Duplicate (5420579); Original (J2411211001); Parent Lab Sample (J2411211001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
alpha-BHC	mg/Kg	0.0160	0.011	65	45 - 137	0.014	89	29	30	J
gamma-BHC (Lindane)	mg/Kg	0.0160	0.013	81	49 - 135	0.018	112	29	30	J
beta-BHC	mg/Kg	0.0160	0.015	94	50 - 136	0.018	114	17	30	J
delta-BHC	mg/Kg	0.0160	0.014	88	47 - 139	0.018	116	26	30	J
Heptachlor	mg/Kg	0.0160	0.013	80	47 - 136	0.016	102	21	30	J
Aldrin	mg/Kg	0.0160	0.019	115	45 - 136	0.016	103	14	30	J
Heptachlor Epoxide	mg/Kg	0.0160	0.013	78	52 - 136	0.016	100	22	30	J
gamma-Chlordane	mg/Kg	0.0160	0.011	66	53 - 135	0.013	84	21	30	J
alpha-Chlordane	mg/Kg	0.0160	0.012	74	54 - 133	0.015	98	25	30	J
Endosulfan I	mg/Kg	0.0160	0.012	76	53 - 132	0.015	94	19	30	J
4,4`-DDE	mg/Kg	0.0160	0.019	119	56 - 134	0.028	**175**	**35**	30	J
Dieldrin	mg/Kg	0.0160	0.011	69	56 - 136	0.014	90	23	30	J
Endrin	mg/Kg	0.0160	0.012	71	57 - 140	0.016	102	**33**	30	J
4,4`-DDD	mg/Kg	0.0160	0.011	65	56 - 139	0.015	96	**36**	30	J
Endosulfan II	mg/Kg	0.0160	0.01	64	53 - 134	0.014	88	29	30	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: GCSj/6745 **Analysis Method:** DOD SW-846 8081B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Endrin Aldehyde	mg/Kg	0.0160	0.012	73	35 - 137	0.016	98	27	30	J
4,4`-DDT	mg/Kg	0.0160	0.018	110	50 - 141	0.018	115	1.50	30	J
Endosulfan Sulfate	mg/Kg	0.0160	0.013	82	55 - 136	0.017	104	21	30	J
Methoxychlor	mg/Kg	0.0160	0.015	93	52 - 143	0.018	116	20	30	J
Endrin ketone	mg/Kg	0.0160	0.011	68	55 - 136	0.014	86	20	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0817	0.0856	105	60 - 130	0.1030	129	18		J
Tetrachloro-m-xylene (S)	mg/L	0.1630	0.1550	95	42 - 129	0.2020	127	26		J

QC Result Comments

Matrix Spike - 5420578 - 4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5420579 - 4,4`-DDD

*|MS/MSD recovery and/or RPD is out of criteria

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5420579 - 4,4`-DDE

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420579 - Endrin

*|MS/MSD recovery and/or RPD is out of criteria

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Results

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: GCSj/6746 **Analysis Method:** DoD SW-846 8082A
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006

Method Blank(5420612)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Aroclor 1016 (PCB-1016)	0.049U	mg/Kg	0.024	0.049	0.097	J
Aroclor 1221 (PCB-1221)	0.049U	mg/Kg	0.024	0.049	0.097	J
Aroclor 1232 (PCB-1232)	0.049U	mg/Kg	0.024	0.049	0.097	J
Aroclor 1242 (PCB-1242)	0.049U	mg/Kg	0.024	0.049	0.097	J
Aroclor 1248 (PCB-1248)	0.049U	mg/Kg	0.024	0.049	0.097	J
Aroclor 1254 (PCB-1254)	0.049U	mg/Kg	0.024	0.049	0.097	J
Aroclor 1260 (PCB-1260)	0.049U	mg/Kg	0.024	0.049	0.097	J
Aroclor 1262 (PCB-1262)	0.049U	mg/Kg	0.024	0.049	0.097	J
Aroclor 1268 (PCB-1268)	0.049U	mg/Kg	0.024	0.049	0.097	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0812	0.0984	121	61 - 147	J
Tetrachloro-m-xylene (S)	mg/L	0.1620	0.1920	118	44 - 130	J

Lab Control Sample (5420613)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Aroclor 1016 (PCB-1016)	mg/Kg	0.16	0.13	85	47 - 134	J
Aroclor 1260 (PCB-1260)	mg/Kg	0.16	0.14	92	53 - 140	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0785	0.0772	98	61 - 147	J
Tetrachloro-m-xylene (S)	mg/L	0.1570	0.1580	101	44 - 130	J

Matrix Spike (5420614); Matrix Spike Duplicate (5420615); Original (J2411211001); Parent Lab Sample (J2411211001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Aroclor 1016 (PCB-1016)	mg/Kg	0.15	0.17	107	47 - 134	0.17	107	2.60	30	J
Aroclor 1260 (PCB-1260)	mg/Kg	0.15	0.16	102	53 - 140	0.15	96	2.40	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0773	0.0894	116	61 - 147	0.0961	120	7.20		J
Tetrachloro-m-xylene (S)	mg/L	0.1550	0.1980	128	44 - 130	0.2050	129	3.40		J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Results

QC Batch: GCSj/6755 **Analysis Method:** DOD SW-846 8081B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013

Method Blank(5421545)

Parameter	Results	Units	DL	LOD	LOQ	Lab
alpha-BHC	0.0016U	mg/Kg	0.00080	0.0016	0.0032	J
gamma-BHC (Lindane)	0.0016U	mg/Kg	0.00080	0.0016	0.0032	J
beta-BHC	0.0016U	mg/Kg	0.00080	0.0016	0.0032	J
delta-BHC	0.0016U	mg/Kg	0.00080	0.0016	0.0032	J
Heptachlor	0.0016U	mg/Kg	0.00080	0.0016	0.0032	J
Aldrin	0.0016U	mg/Kg	0.00080	0.0016	0.0032	J
Heptachlor Epoxide	0.0016U	mg/Kg	0.00080	0.0016	0.0032	J
gamma-Chlordane	0.0032U	mg/Kg	0.0016	0.0032	0.0064	J
alpha-Chlordane	0.0032U	mg/Kg	0.0024	0.0032	0.0064	J
Endosulfan I	0.0016U	mg/Kg	0.00080	0.0016	0.0032	J
4,4`-DDE	0.0016U	mg/Kg	0.00080	0.0016	0.0032	J
Dieldrin	0.0016U	mg/Kg	0.00080	0.0016	0.0032	J
Endrin	0.0032U	mg/Kg	0.0016	0.0032	0.0064	J
4,4`-DDD	0.0016U	mg/Kg	0.00080	0.0016	0.0032	J
Endosulfan II	0.0016U	mg/Kg	0.00080	0.0016	0.0032	J
Endrin Aldehyde	0.0016U	mg/Kg	0.00080	0.0016	0.0032	J
4,4`-DDT	0.0032U	mg/Kg	0.0016	0.0032	0.0064	J
Endosulfan Sulfate	0.0016U	mg/Kg	0.00080	0.0016	0.0032	J
Methoxychlor	0.0016U	mg/Kg	0.00080	0.0016	0.0032	J
Endrin ketone	0.0016U	mg/Kg	0.00080	0.0016	0.0032	J
Chlordane (technical)	0.029U	mg/Kg	0.014	0.029	0.058	J
Toxaphene	0.048U	mg/Kg	0.024	0.048	0.096	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0799	0.0940	118	60 - 130	J
Tetrachloro-m-xylene (S)	mg/L	0.16	0.1870	117	42 - 129	J

Lab Control Sample (5421546)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
alpha-BHC	mg/Kg	0.0160	0.019	118	45 - 137	J
gamma-BHC (Lindane)	mg/Kg	0.0160	0.02	128	49 - 135	J
beta-BHC	mg/Kg	0.0160	0.019	120	50 - 136	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: GCSj/6755 **Analysis Method:** DOD SW-846 8081B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
delta-BHC	mg/Kg	0.0160	0.021	133	47 - 139	J
Heptachlor	mg/Kg	0.0160	0.018	113	47 - 136	J
Aldrin	mg/Kg	0.0160	0.02	130	45 - 136	J
Heptachlor Epoxide	mg/Kg	0.0160	0.019	122	52 - 136	J
gamma-Chlordane	mg/Kg	0.0160	0.016	101	53 - 135	J
alpha-Chlordane	mg/Kg	0.0160	0.018	116	54 - 133	J
Endosulfan I	mg/Kg	0.0160	0.017	106	53 - 132	J
4,4`-DDE	mg/Kg	0.0160	0.02	128	56 - 134	J
Dieldrin	mg/Kg	0.0160	0.02	125	56 - 136	J
Endrin	mg/Kg	0.0160	0.019	123	57 - 140	J
4,4`-DDD	mg/Kg	0.0160	0.019	118	56 - 139	J
Endosulfan II	mg/Kg	0.0160	0.017	106	53 - 134	J
Endrin Aldehyde	mg/Kg	0.0160	0.018	113	35 - 137	J
4,4`-DDT	mg/Kg	0.0160	0.019	125	50 - 141	J
Endosulfan Sulfate	mg/Kg	0.0160	0.018	118	55 - 136	J
Methoxychlor	mg/Kg	0.0160	0.022	142	52 - 143	J
Endrin ketone	mg/Kg	0.0160	0.018	116	55 - 136	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0782	0.0913	117	60 - 130	J
Tetrachloro-m-xylene (S)	mg/L	0.1560	0.1820	116	42 - 129	J

Matrix Spike (5421549); Matrix Spike Duplicate (5421550); Original (J2410916006); Parent Lab Sample (J2410916006)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
alpha-BHC	mg/Kg	0.0160	0.017	108	45 - 137	0.018	109	2.10	30	J
gamma-BHC (Lindane)	mg/Kg	0.0160	0.02	124	49 - 135	0.021	128	4	30	J
beta-BHC	mg/Kg	0.0160	0.022	136	50 - 136	0.022	**138**	3.10	30	J
delta-BHC	mg/Kg	0.0160	0.019	116	47 - 139	0.02	123	7	30	J
Heptachlor	mg/Kg	0.0160	0.021	128	47 - 136	0.021	128	1.60	30	J
Aldrin	mg/Kg	0.0160	0.019	122	45 - 136	0.02	120	0.40	30	J
Heptachlor Epoxide	mg/Kg	0.0160	0.02	126	52 - 136	0.021	130	4.40	30	J
gamma-Chlordane	mg/Kg	0.0160	0.023	**142**	53 - 135	0.021	130	7.20	30	J
alpha-Chlordane	mg/Kg	0.0160	0.023	**145**	54 - 133	0.02	125	13	30	J
Endosulfan I	mg/Kg	0.0160	0.019	116	53 - 132	0.019	119	3.70	30	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: GCSj/6755 **Analysis Method:** DOD SW-846 8081B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
4,4`-DDE	mg/Kg	0.0160	0.021	131	56 - 134	0.021	127	1.50	30	J
Dieldrin	mg/Kg	0.0160	0.018	112	56 - 136	0.018	112	1.20	30	J
Endrin	mg/Kg	0.0160	0.019	117	57 - 140	0.019	118	2	30	J
4,4`-DDD	mg/Kg	0.0160	0.021	130	56 - 139	0.022	132	3.10	30	J
Endosulfan II	mg/Kg	0.0160	0.017	104	53 - 134	0.016	98	4.30	30	J
Endrin Aldehyde	mg/Kg	0.0160	0.019	122	35 - 137	0.02	122	2.40	30	J
4,4`-DDT	mg/Kg	0.0160	0.017	105	50 - 141	0.016	98	5.80	30	J
Endosulfan Sulfate	mg/Kg	0.0160	0.02	126	55 - 136	0.021	128	4	30	J
Methoxychlor	mg/Kg	0.0160	0.022	138	52 - 143	0.022	135	0.20	30	J
Endrin ketone	mg/Kg	0.0160	0.018	112	55 - 136	0.019	116	4.20	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.08	0.1280	**160**	60 - 130	0.1310	161	1.70		J
Tetrachloro-m-xylene (S)	mg/L	0.16	0.2590	**162**	42 - 129	0.2630	162	1.40		J

Matrix Spike (5421549); Matrix Spike Duplicate (5421550); Original (J2410916006); Parent Lab Sample (J2410916006)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
alpha-BHC	mg/Kg	0.0160	0.017	108	45 - 137	0.018	109	2.10	30	J
gamma-BHC (Lindane)	mg/Kg	0.0160	0.02	124	49 - 135	0.021	128	4	30	J
beta-BHC	mg/Kg	0.0160	0.022	136	50 - 136	0.022	**138**	3.10	30	J
delta-BHC	mg/Kg	0.0160	0.019	116	47 - 139	0.02	123	7	30	J
Heptachlor	mg/Kg	0.0160	0.021	128	47 - 136	0.021	128	1.60	30	J
Aldrin	mg/Kg	0.0160	0.019	122	45 - 136	0.02	120	0.40	30	J
Heptachlor Epoxide	mg/Kg	0.0160	0.02	126	52 - 136	0.021	130	4.40	30	J
gamma-Chlordane	mg/Kg	0.0160	0.023	**142**	53 - 135	0.021	130	7.20	30	J
alpha-Chlordane	mg/Kg	0.0160	0.023	**145**	54 - 133	0.02	125	13	30	J
Endosulfan I	mg/Kg	0.0160	0.019	116	53 - 132	0.019	119	3.70	30	J
4,4`-DDE	mg/Kg	0.0160	0.021	131	56 - 134	0.021	127	1.50	30	J
Dieldrin	mg/Kg	0.0160	0.018	112	56 - 136	0.018	112	1.20	30	J
Endrin	mg/Kg	0.0160	0.019	117	57 - 140	0.019	118	2	30	J
4,4`-DDD	mg/Kg	0.0160	0.021	130	56 - 139	0.022	132	3.10	30	J
Endosulfan II	mg/Kg	0.0160	0.017	104	53 - 134	0.016	98	4.30	30	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: GCSj/6755 **Analysis Method:** DOD SW-846 8081B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Endrin Aldehyde	mg/Kg	0.0160	0.019	122	35 - 137	0.02	122	2.40	30	J
4,4`-DDT	mg/Kg	0.0160	0.017	105	50 - 141	0.016	98	5.80	30	J
Endosulfan Sulfate	mg/Kg	0.0160	0.02	126	55 - 136	0.021	128	4	30	J
Methoxychlor	mg/Kg	0.0160	0.022	138	52 - 143	0.022	135	0.20	30	J
Endrin ketone	mg/Kg	0.0160	0.018	112	55 - 136	0.019	116	4.20	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.08	0.1280	**160**	60 - 130	0.1310	161	1.70		J
Tetrachloro-m-xylene (S)	mg/L	0.16	0.2590	**162**	42 - 129	0.2630	162	1.40		J

QC Result Comments

Matrix Spike - 5421549 - 4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5421549 - 4,4`-DDE

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5421549 - 4,4`-DDT

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5421549 - Aldrin

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5421549 - Dieldrin

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5421549 - Endosulfan I

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5421549 - Endrin Aldehyde

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5421549 - Methoxychlor

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5421549 - alpha-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5421549 - alpha-Chlordane

*|MS/MSD recovery and/or RPD is out of criteria

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Result Comments

Matrix Spike - 5421549 - delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5421549 - gamma-BHC (Lindane)

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5421549 - gamma-Chlordane

*|MS/MSD recovery and/or RPD is out of criteria

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5421550 - 4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5421550 - 4,4`-DDE

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5421550 - 4,4`-DDT

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5421550 - Aldrin

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5421550 - Dieldrin

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5421550 - Endosulfan I

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5421550 - Endrin Aldehyde

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5421550 - Methoxychlor

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5421550 - alpha-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5421550 - alpha-Chlordane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5421550 - beta-BHC

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5421550 - delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5421550 - gamma-BHC (Lindane)

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5421550 - gamma-Chlordane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Results

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: GCSj/6756 **Analysis Method:** DoD SW-846 8082A
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013

Method Blank(5421557)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Aroclor 1016 (PCB-1016)	0.048U	mg/Kg	0.024	0.048	0.096	J
Aroclor 1221 (PCB-1221)	0.048U	mg/Kg	0.024	0.048	0.096	J
Aroclor 1232 (PCB-1232)	0.048U	mg/Kg	0.024	0.048	0.096	J
Aroclor 1242 (PCB-1242)	0.048U	mg/Kg	0.024	0.048	0.096	J
Aroclor 1248 (PCB-1248)	0.048U	mg/Kg	0.024	0.048	0.096	J
Aroclor 1254 (PCB-1254)	0.048U	mg/Kg	0.024	0.048	0.096	J
Aroclor 1260 (PCB-1260)	0.048U	mg/Kg	0.024	0.048	0.096	J
Aroclor 1262 (PCB-1262)	0.048U	mg/Kg	0.024	0.048	0.096	J
Aroclor 1268 (PCB-1268)	0.048U	mg/Kg	0.024	0.048	0.096	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0799	0.0914	114	61 - 147	J
Tetrachloro-m-xylene (S)	mg/L	0.16	0.1820	114	44 - 130	J

Lab Control Sample (5421558)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Aroclor 1016 (PCB-1016)	mg/Kg	0.16	0.16	105	47 - 134	J
Aroclor 1260 (PCB-1260)	mg/Kg	0.16	0.16	104	53 - 140	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0785	0.0886	113	61 - 147	J
Tetrachloro-m-xylene (S)	mg/L	0.1570	0.1790	114	44 - 130	J

Matrix Spike (5421561); Matrix Spike Duplicate (5421562); Original (J2410916006); Parent Lab Sample (J2410916006)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Aroclor 1016 (PCB-1016)	mg/Kg	0.16	0.18	111	47 - 134	0.16	100	9	30	J
Aroclor 1260 (PCB-1260)	mg/Kg	0.16	0.17	105	53 - 140	0.16	100	4.40	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0794	0.1160	147	61 - 147	0.1090	136	6.50		J
Tetrachloro-m-xylene (S)	mg/L	0.1590	0.2270	**143**	44 - 130	0.2030	127	11		J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Results

QC Batch: GCSj/6777
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411208014, J2411208015
Analysis Method: DoD SW-846 8141B

Method Blank(5426247)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Mevinphos	31U	ug/Kg	15	31	61	J
Demeton	31U	ug/Kg	15	31	61	J
Ethoprop	31U	ug/Kg	15	31	61	J
Phorate	31U	ug/Kg	15	31	61	J
Diazinon	31U	ug/Kg	15	31	61	J
Disulfoton	31U	ug/Kg	15	31	61	J
Ronnel	31U	ug/Kg	15	31	61	J
Methyl Parathion	31U	ug/Kg	15	31	61	J
Chlorpyrifos	31U	ug/Kg	15	31	61	J
Merphos	31U	ug/Kg	15	31	61	J
Fensulfothion	31U	ug/Kg	15	31	61	J
Azinphos-methyl	31U	ug/Kg	15	31	61	J
Sulfotep	31U	ug/Kg	15	31	61	J
Dimethoate	31U	ug/Kg	15	31	61	J
Fonophos	31U	ug/Kg	15	31	61	J
Chlorpyrifos-methyl	31U	ug/Kg	15	31	61	J
Malathion	31U	ug/Kg	15	31	61	J
Parathion (Ethyl)	31U	ug/Kg	15	31	61	J
Ethion	31U	ug/Kg	15	31	61	J
Famphur	31U	ug/Kg	15	31	61	J
Phosmet	31U	ug/Kg	15	31	61	J
Atrazine	31U	ug/Kg	15	31	61	J
Simazine	31U	ug/Kg	15	31	61	J
Demeton-S	15U	ug/Kg	7.7	15	31	J
Demeton-O	15U	ug/Kg	7.7	15	31	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Results

QC Batch: GCSj/6784
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411208014, J2411208015
Analysis Method: DoD SW-846 8082A

Method Blank(5426243)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Aroclor 1016 (PCB-1016)	0.046U	mg/Kg	0.023	0.046	0.092	J
Aroclor 1221 (PCB-1221)	0.046U	mg/Kg	0.023	0.046	0.092	J
Aroclor 1232 (PCB-1232)	0.046U	mg/Kg	0.023	0.046	0.092	J
Aroclor 1242 (PCB-1242)	0.046U	mg/Kg	0.023	0.046	0.092	J
Aroclor 1248 (PCB-1248)	0.046U	mg/Kg	0.023	0.046	0.092	J
Aroclor 1254 (PCB-1254)	0.046U	mg/Kg	0.023	0.046	0.092	J
Aroclor 1260 (PCB-1260)	0.046U	mg/Kg	0.023	0.046	0.092	J
Aroclor 1262 (PCB-1262)	0.046U	mg/Kg	0.023	0.046	0.092	J
Aroclor 1268 (PCB-1268)	0.046U	mg/Kg	0.023	0.046	0.092	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Results

QC Batch: GCSj/6785
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411208014, J2411208015
Analysis Method: DOD SW-846 8081B

Method Blank(5426239)

Parameter	Results	Units	DL	LOD	LOQ	Lab
alpha-BHC	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
gamma-BHC (Lindane)	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
beta-BHC	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
delta-BHC	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
Heptachlor	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
Aldrin	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
Heptachlor Epoxide	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
gamma-Chlordane	0.0031U	mg/Kg	0.0015	0.0031	0.0061	J
alpha-Chlordane	0.0031U	mg/Kg	0.0023	0.0031	0.0061	J
Endosulfan I	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
4,4`-DDE	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
Dieldrin	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
Endrin	0.0031U	mg/Kg	0.0015	0.0031	0.0061	J
4,4`-DDD	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
Endosulfan II	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
Endrin Aldehyde	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
4,4`-DDT	0.0031U	mg/Kg	0.0015	0.0031	0.0061	J
Endosulfan Sulfate	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
Methoxychlor	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
Endrin ketone	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
Chlordane (technical)	0.028U	mg/Kg	0.014	0.028	0.055	J
Toxaphene	0.046U	mg/Kg	0.023	0.046	0.092	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Results

QC Batch: ICMj/4562
Preparation Method: SW-846 3050B
Associated Lab IDs: J2411208001, J2411208002
Analysis Method: DoD SW-846 6020A

Method Blank(5418285)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Thallium	0.010U	mg/Kg	0.0050	0.010	0.020	J

Lab Control Sample (5418286)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Thallium	mg/Kg	0.10	0.1	100	83 - 118	J

Matrix Spike (5418287); Matrix Spike Duplicate (5418288); Original (J2410906001); Parent Lab Sample (J2410906001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Thallium	mg/Kg	0.0980	0.23	**235**	83 - 118	0.26	**276**	10	20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Results

QC Batch: ICMj/4563 **Analysis Method:** DoD SW-846 6020A
Preparation Method: SW-846 3050B
Associated Lab IDs: J2411208003, J2411208004, J2411208005, J2411208006, J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013, J2411208014, J2411208015

Method Blank(5418289)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Thallium	0.010U	mg/Kg	0.0050	0.010	0.020	J

Lab Control Sample (5418290)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Thallium	mg/Kg	0.10	0.096	96	83 - 118	J

Matrix Spike (5418291); Matrix Spike Duplicate (5418292); Original (J2411208003); Parent Lab Sample (J2411208003)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Thallium	mg/Kg	0.10	0.18	**171**	83 - 118	0.17	**156**	5.60	20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Results

QC Batch: ICPj/3751 **Analysis Method:** DoD SW-846 6010C
Preparation Method: SW-846 3050B
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006, J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013, J2411208014, J2411208015

Method Blank(5422486)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Silver	0.28J	mg/Kg	0.20	0.40	0.80	J
Arsenic	1.0U	mg/Kg	0.50	1.0	2.0	J
Barium	1.0U	mg/Kg	0.50	1.0	2.0	J
Beryllium	0.20U	mg/Kg	0.10	0.20	0.40	J
Cadmium	0.10U	mg/Kg	0.050	0.10	0.20	J
Chromium	0.40U	mg/Kg	0.20	0.40	0.80	J
Copper	1.0U	mg/Kg	0.50	1.0	2.0	J
Nickel	1.0U	mg/Kg	0.50	1.0	2.0	J
Lead	1.0U	mg/Kg	0.50	1.0	2.0	J
Antimony	1.0U	mg/Kg	0.50	1.0	2.0	J
Selenium	2.0U	mg/Kg	1.0	2.0	4.0	J
Zinc	20U	mg/Kg	10	20	40	J

Lab Control Sample (5422487)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Silver	mg/Kg	4	4.2	105	82 - 112	J
Arsenic	mg/Kg	10	9.3	93	82 - 111	J
Barium	mg/Kg	10	9.3	93	83 - 113	J
Beryllium	mg/Kg	2	1.8	90	83 - 113	J
Cadmium	mg/Kg	1	0.96	96	82 - 113	J
Chromium	mg/Kg	4	3.8	94	85 - 113	J
Copper	mg/Kg	10	9.1	91	81 - 117	J
Nickel	mg/Kg	10	9.5	95	83 - 113	J
Lead	mg/Kg	10	10	102	81 - 112	J
Antimony	mg/Kg	10	9.4	94	79 - 114	J
Selenium	mg/Kg	20	19	95	78 - 111	J
Zinc	mg/Kg	200	190	93	82 - 113	J

Matrix Spike (5422488); Matrix Spike Duplicate (5422489); Original (J2411208001); Parent Lab Sample (J2411208001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Silver	mg/Kg	4	3.8	94	82 - 112	4.3	107	13	20	J
Arsenic	mg/Kg	10	4.6	**46**	82 - 111	6.2	**62**	**29**	20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: ICPj/3751 **Analysis Method:** DoD SW-846 6010C
Preparation Method: SW-846 3050B
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006, J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013, J2411208014, J2411208015

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Barium	mg/Kg	10	80	**162**	83 - 113	86	**222**	7.30	20	J
Beryllium	mg/Kg	2	1	**52**	83 - 113	1.1	**57**	9.70	20	J
Cadmium	mg/Kg	1	0.96	**55**	82 - 113	1.2	**74**	18	20	J
Chromium	mg/Kg	4	26	**126**	85 - 113	31	**256**	18	20	J
Copper	mg/Kg	10	72	**-679**	81 - 117	110	**-343**	**38**	20	J
Nickel	mg/Kg	10	12	**62**	83 - 113	14	**81**	14	20	J
Lead	mg/Kg	10	84	**-119**	81 - 112	84	**-119**	0	20	J
Antimony	mg/Kg	10	1.6	**16**	79 - 114	1.8	**18**	8	20	J
Selenium	mg/Kg	20	13	**67**	78 - 111	16	78	15	20	J
Zinc	mg/Kg	200	360	**39**	82 - 113	550	**134**	**41**	20	J

Matrix Spike (5422488); Matrix Spike Duplicate (5422489); Original (J2411208001); Parent Lab Sample (J2411208001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Silver	mg/Kg	4	3.8	94	82 - 112	4.3	107	13	20	J
Arsenic	mg/Kg	10	4.6	**46**	82 - 111	6.2	**62**	**29**	20	J
Barium	mg/Kg	10	80	**162**	83 - 113	86	**222**	7.30	20	J
Beryllium	mg/Kg	2	1	**52**	83 - 113	1.1	**57**	9.70	20	J
Cadmium	mg/Kg	1	0.96	**55**	82 - 113	1.2	**74**	18	20	J
Chromium	mg/Kg	4	26	**126**	85 - 113	31	**256**	18	20	J
Copper	mg/Kg	10	72	**-679**	81 - 117	110	**-343**	**38**	20	J
Nickel	mg/Kg	10	12	**62**	83 - 113	14	**81**	14	20	J
Lead	mg/Kg	10	84	**-119**	81 - 112	84	**-119**	0	20	J
Antimony	mg/Kg	10	1.6	**16**	79 - 114	1.8	**18**	8	20	J
Selenium	mg/Kg	20	13	**67**	78 - 111	16	78	15	20	J
Zinc	mg/Kg	200	360	**39**	82 - 113	550	**134**	**41**	20	J

QC Result Comments

Matrix Spike - 5422488 - Antimony

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5422488 - Arsenic

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5422488 - Beryllium

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Result Comments

Matrix Spike - 5422488 - Cadmium

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5422488 - Chromium

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5422488 - Nickel

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5422488 - Selenium

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5422488 - Zinc

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5422489 - Antimony

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5422489 - Arsenic

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5422489 - Beryllium

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5422489 - Cadmium

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5422489 - Chromium

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5422489 - Copper

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5422489 - Nickel

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5422489 - Zinc

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5422488 - Barium

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5422489 - Barium

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Results

QC Batch: MSSj/4172 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006, J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013

Method Blank(5421505)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Phenol	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Chlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2-Methylphenol (o-Cresol)	0.33U	mg/Kg	0.17	0.33	0.67	J
3+4-Methylphenol(mp-Cresol)	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Nitrophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4-Dimethylphenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4-Dichlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
4-Chloro-3-methylphenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4,6-Trichlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4,5-Trichlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4-Dinitrophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
4-Nitrophenol	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Methyl-4,6-dinitrophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
Pentachlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
bis(2-Chloroethyl)Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
bis(2-Chloroisopropyl) Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
Acetophenone	0.17U	mg/Kg	0.083	0.17	0.33	J
N-Nitrosodi-n-propylamine	0.17U	mg/Kg	0.083	0.17	0.33	J
Hexachloroethane	0.17U	mg/Kg	0.083	0.17	0.33	J
Nitrobenzene	0.33U	mg/Kg	0.17	0.33	0.67	J
Isophorone	0.17U	mg/Kg	0.083	0.17	0.33	J
bis(2-Chloroethoxy)methane	0.33U	mg/Kg	0.17	0.33	0.67	J
Naphthalene	0.010U	mg/Kg	0.0050	0.010	0.020	J
4-Chloroaniline	0.17U	mg/Kg	0.083	0.17	0.33	J
Hexachlorobutadiene	0.17U	mg/Kg	0.083	0.17	0.33	J
2-Methylnaphthalene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Hexachlorocyclopentadiene	0.17U	mg/Kg	0.083	0.17	0.33	J
2-Chloronaphthalene	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Nitroaniline	0.17U	mg/Kg	0.083	0.17	0.33	J
Dimethyl phthalate	0.17U	mg/Kg	0.083	0.17	0.33	J
2,6-Dinitrotoluene (2,6-DNT)	0.17U	mg/Kg	0.083	0.17	0.33	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: MSSj/4172 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006, J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013

Parameter	Results	Units	DL	LOD	LOQ	Lab
Acenaphthylene	0.010U	mg/Kg	0.0050	0.010	0.020	J
3-Nitroaniline	0.33U	mg/Kg	0.17	0.33	0.67	J
Acenaphthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Dibenzofuran	0.010U	mg/Kg	0.0050	0.010	0.020	J
2,4-Dinitrotoluene (2,4-DNT)	0.17U	mg/Kg	0.083	0.17	0.33	J
Diethyl phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Fluorene	0.010U	mg/Kg	0.0050	0.010	0.020	J
4-Chlorophenyl Phenyl Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
4-Nitroaniline	0.33U	mg/Kg	0.17	0.33	0.67	J
4-Bromophenyl Phenyl Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
Hexachlorobenzene	0.17U	mg/Kg	0.083	0.17	0.33	J
Phenanthrene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Anthracene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Carbazole	0.010U	mg/Kg	0.0050	0.010	0.020	J
Di-n-Butyl Phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Fluoranthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Pyrene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Butyl benzyl phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Benzo[a]anthracene	0.010U	mg/Kg	0.0050	0.010	0.020	J
3,3`-Dichlorobenzidine	0.17U	mg/Kg	0.083	0.17	0.33	J
Chrysene	0.010U	mg/Kg	0.0050	0.010	0.020	J
bis(2-Ethylhexyl) phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Di-n-octyl Phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Benzo[b]fluoranthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Benzo[k]fluoranthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Benzo[a]pyrene	0.016U	mg/Kg	0.0080	0.016	0.032	J
Indeno(1,2,3-cd)pyrene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Dibenzo[a,h]anthracene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Benzo[g,h,i]perylene	0.010U	mg/Kg	0.0050	0.010	0.020	J
N-Nitrosodiphenylamine	0.17U	mg/Kg	0.083	0.17	0.33	J
Biphenyl	0.33U	mg/Kg	0.17	0.33	0.67	J
Atrazine	0.33U	mg/Kg	0.17	0.33	0.67	J
Benzaldehyde	0.17U	mg/Kg	0.083	0.17	0.33	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: MSSj/4172 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006, J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013

Parameter	Results	Units	DL	LOD	LOQ	Lab
Caprolactam	0.17U	mg/Kg	0.083	0.17	0.33	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	1.67	1.13	68	39 - 132	J
2-Fluorobiphenyl (S)	mg/L	1.67	1.27	76	44 - 115	J
2-Fluorophenol (S)	mg/L	1.67	1.24	74	35 - 115	J
2-Methylnaphthalene-d10 (S)	mg/L	1.67	1.23	74	50 - 150	J
Fluoranthene-d10 (S)	mg/L	1.67	1.29	77	50 - 150	J
Nitrobenzene-d5 (S)	mg/L	1.67	1.27	76	37 - 122	J
Phenol-d6 (S)	mg/L	1.67	1.21	73	33 - 122	J
p-Terphenyl-d14 (S)	mg/L	1.67	1.43	86	54 - 127	J

Lab Control Sample (5421506)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Phenol	mg/Kg	1.70	1.1	69	34 - 121	J
2-Chlorophenol	mg/Kg	1.70	1.2	74	34 - 121	J
2-Methylphenol (o-Cresol)	mg/Kg	1.70	1.2	74	32 - 122	J
3+4-Methylphenol(mp-Cresol)	mg/Kg	1.70	1.1	67	34 - 119	J
2-Nitrophenol	mg/Kg	1.70	1.2	73	36 - 123	J
2,4-Dimethylphenol	mg/Kg	1.70	1.3	79	30 - 127	J
2,4-Dichlorophenol	mg/Kg	1.70	1.2	69	40 - 122	J
4-Chloro-3-methylphenol	mg/Kg	1.70	1.3	75	45 - 122	J
2,4,6-Trichlorophenol	mg/Kg	1.70	1.3	78	39 - 126	J
2,4,5-Trichlorophenol	mg/Kg	1.70	1.2	74	41 - 124	J
2,4-Dinitrophenol	mg/Kg	1.70	1.3	78	52 - 122	J
4-Nitrophenol	mg/Kg	1.70	1.5	91	30 - 132	J
2-Methyl-4,6-dinitrophenol	mg/Kg	1.70	1.3	80	29 - 132	J
Pentachlorophenol	mg/Kg	1.70	0.88	53	25 - 133	J
bis(2-Chloroethyl)Ether	mg/Kg	1.70	1.1	66	31 - 120	J
bis(2-Chloroisopropyl) Ether	mg/Kg	1.70	1.5	92	33 - 131	J
Acetophenone	mg/Kg	1.70	1.1	68	33 - 115	J
N-Nitrosodi-n-propylamine	mg/Kg	1.70	1.2	74	36 - 120	J
Hexachloroethane	mg/Kg	1.70	1.3	78	28 - 117	J
Nitrobenzene	mg/Kg	1.70	1.3	77	34 - 122	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: MSSj/4172 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006, J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Isophorone	mg/Kg	1.70	1.2	70	30 - 122	J
bis(2-Chloroethoxy)methane	mg/Kg	1.70	1.1	65	36 - 121	J
Naphthalene	mg/Kg	1.70	1.1	64	38 - 111	J
4-Chloroaniline	mg/Kg	1.70	1.2	71	17 - 106	J
Hexachlorobutadiene	mg/Kg	1.70	1.2	71	32 - 123	J
2-Methylnaphthalene	mg/Kg	1.70	1.1	66	39 - 114	J
Hexachlorocyclopentadiene	mg/Kg	1.70	1.8	109	49 - 137	J
2-Chloronaphthalene	mg/Kg	1.70	1.1	68	41 - 114	J
2-Nitroaniline	mg/Kg	1.70	1.2	74	44 - 127	J
Dimethyl phthalate	mg/Kg	1.70	1.3	78	48 - 124	J
2,6-Dinitrotoluene (2,6-DNT)	mg/Kg	1.70	1.3	81	46 - 124	J
Acenaphthylene	mg/Kg	1.70	1.3	76	39 - 116	J
3-Nitroaniline	mg/Kg	1.70	1.4	86	33 - 119	J
Acenaphthene	mg/Kg	1.70	1.1	67	44 - 111	J
Dibenzofuran	mg/Kg	1.70	1.2	70	35 - 108	J
2,4-Dinitrotoluene (2,4-DNT)	mg/Kg	1.70	1.3	79	48 - 126	J
Diethyl phthalate	mg/Kg	1.70	1.3	80	50 - 124	J
Fluorene	mg/Kg	1.70	1.2	70	47 - 114	J
4-Chlorophenyl Phenyl Ether	mg/Kg	1.70	1.1	68	45 - 121	J
4-Nitroaniline	mg/Kg	1.70	1.4	84	79 - 122	J
4-Bromophenyl Phenyl Ether	mg/Kg	1.70	1.1	68	46 - 124	J
Hexachlorobenzene	mg/Kg	1.70	1.1	66	45 - 122	J
Phenanthrene	mg/Kg	1.70	1.1	65	49 - 133	J
Anthracene	mg/Kg	1.70	1.1	66	50 - 114	J
Carbazole	mg/Kg	1.70	1.1	66	36 - 123	J
Di-n-Butyl Phthalate	mg/Kg	1.70	1.3	75	51 - 128	J
Fluoranthene	mg/Kg	1.70	1.1	67	55 - 119	J
Pyrene	mg/Kg	1.70	1.2	70	55 - 117	J
Butyl benzyl phthalate	mg/Kg	1.70	1.3	81	48 - 132	J
Benzo[a]anthracene	mg/Kg	1.70	1.2	71	54 - 122	J
3,3`-Dichlorobenzidine	mg/Kg	1.70	1	62	22 - 121	J
Chrysene	mg/Kg	1.70	1.1	67	57 - 118	J
bis(2-Ethylhexyl) phthalate	mg/Kg	1.70	1.4	85	51 - 133	J
Di-n-octyl Phthalate	mg/Kg	1.70	1.3	77	45 - 140	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: MSSj/4172 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006, J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Benzo[b]fluoranthene	mg/Kg	1.70	1.2	71	53 - 128	J
Benzo[k]fluoranthene	mg/Kg	1.70	1.1	66	56 - 123	J
Benzo[a]pyrene	mg/Kg	1.70	1.1	69	50 - 125	J
Indeno(1,2,3-cd)pyrene	mg/Kg	1.70	1.1	64	49 - 130	J
Dibenzo[a,h]anthracene	mg/Kg	1.70	1.1	67	50 - 129	J
Benzo[g,h,i]perylene	mg/Kg	1.70	1	62	49 - 127	J
N-Nitrosodiphenylamine	mg/Kg	1.70	1.1	64	38 - 127	J
Biphenyl	mg/Kg	1.70	1.2	70	40 - 117	J
Atrazine	mg/Kg	1.70	1.2	70	47 - 127	J
Benzaldehyde	mg/Kg	1.70	0.55	33	10 - 90	J
Caprolactam	mg/Kg	1.70	1.6	95	46 - 117	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	1.67	0.9930	60	39 - 132	J
2-Fluorobiphenyl (S)	mg/L	1.67	1.25	75	44 - 115	J
2-Fluorophenol (S)	mg/L	1.67	1.17	70	35 - 115	J
2-Methylnaphthalene-d10 (S)	mg/L	1.67	1.16	70	50 - 150	J
Fluoranthene-d10 (S)	mg/L	1.67	1.15	69	50 - 150	J
Nitrobenzene-d5 (S)	mg/L	1.67	1.17	70	37 - 122	J
Phenol-d6 (S)	mg/L	1.67	1.14	69	33 - 122	J
p-Terphenyl-d14 (S)	mg/L	1.67	1.18	71	54 - 127	J

Matrix Spike (5421507); Matrix Spike Duplicate (5421508); Original (J2411208003); Parent Lab Sample (J2411208003)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Phenol	mg/Kg	1.70	1.1	66	34 - 121	1	62	5.50	20	J
2-Chlorophenol	mg/Kg	1.70	1.2	71	34 - 121	1.1	65	7.80	20	J
2-Methylphenol (o-Cresol)	mg/Kg	1.70	1.2	72	32 - 122	1.1	67	7.50	20	J
3+4-Methylphenol(mp-Cres	mg/Kg	1.70	1.1	64	34 - 119	0.99	60	7.40	20	J
2-Nitrophenol	mg/Kg	1.70	1.2	73	36 - 123	1.1	69	5.10	20	J
2,4-Dimethylphenol	mg/Kg	1.70	1.3	79	30 - 127	1.2	72	9	20	J
2,4-Dichlorophenol	mg/Kg	1.70	1.2	73	40 - 122	1.1	69	6.20	20	J
4-Chloro-3-methylphenol	mg/Kg	1.70	1.2	74	45 - 122	1.1	66	11	20	J
2,4,6-Trichlorophenol	mg/Kg	1.70	1.2	73	39 - 126	1.2	73	0.70	20	J
2,4,5-Trichlorophenol	mg/Kg	1.70	1.2	73	41 - 124	1.2	73	0.20	20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: MSSj/4172 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006, J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2,4-Dinitrophenol	mg/Kg	1.70	1.3	77	52 - 122	1.3	76	1	20	J
4-Nitrophenol	mg/Kg	1.70	1.4	86	30 - 132	1.4	86	0.60	20	J
2-Methyl-4,6-dinitrophenol	mg/Kg	1.70	1.3	79	29 - 132	1.3	81	3	20	J
Pentachlorophenol	mg/Kg	1.70	1	63	25 - 133	0.88	53	17	20	J
bis(2-Chloroethyl)Ether	mg/Kg	1.70	1	62	31 - 120	0.99	60	4.10	20	J
bis(2-Chloroisopropyl) Ethe	mg/Kg	1.70	1.5	90	33 - 131	1.4	86	4.40	20	J
Acetophenone	mg/Kg	1.70	1.1	66	33 - 115	1	62	6.40	20	J
N-Nitrosodi-n-propylamine	mg/Kg	1.70	1.3	77	36 - 120	1.2	72	6.10	20	J
Hexachloroethane	mg/Kg	1.70	1.1	69	28 - 117	1.1	68	0.50	20	J
Nitrobenzene	mg/Kg	1.70	1.3	77	34 - 122	1.2	72	6.60	20	J
Isophorone	mg/Kg	1.70	1.2	71	30 - 122	1.1	66	7.80	20	J
bis(2-Chloroethoxy)methan	mg/Kg	1.70	1.1	64	36 - 121	1	61	5.50	20	J
Naphthalene	mg/Kg	1.70	1.1	65	38 - 111	1	60	7.50	20	J
4-Chloroaniline	mg/Kg	1.70	1.2	71	17 - 106	1.1	65	7.80	20	J
Hexachlorobutadiene	mg/Kg	1.70	1.2	70	32 - 123	1.1	64	8	20	J
2-Methylnaphthalene	mg/Kg	1.70	1.1	66	39 - 114	1	63	4.80	20	J
Hexachlorocyclopentadiene	mg/Kg	1.70	1.5	88	49 - 137	1.7	102	14	20	J
2-Chloronaphthalene	mg/Kg	1.70	1.1	65	41 - 114	1	62	4.70	20	J
2-Nitroaniline	mg/Kg	1.70	1.2	75	44 - 127	1.3	76	2.30	20	J
Dimethyl phthalate	mg/Kg	1.70	1.2	72	48 - 124	1.2	72	0	20	J
2,6-Dinitrotoluene (2,6-DNT	mg/Kg	1.70	1.3	78	46 - 124	1.3	79	0.50	20	J
Acenaphthylene	mg/Kg	1.70	1.2	72	39 - 116	1.2	72	0.40	20	J
3-Nitroaniline	mg/Kg	1.70	1.3	79	33 - 119	1.3	79	0.40	20	J
Acenaphthene	mg/Kg	1.70	1	62	44 - 111	1.1	64	2.70	20	J
Dibenzofuran	mg/Kg	1.70	1.1	66	35 - 108	1.1	67	1.60	20	J
2,4-Dinitrotoluene (2,4-DNT	mg/Kg	1.70	1.2	73	48 - 126	1.3	77	5.10	20	J
Diethyl phthalate	mg/Kg	1.70	1.2	73	50 - 124	1.2	74	1.90	20	J
Fluorene	mg/Kg	1.70	1.1	67	47 - 114	1.1	68	1.70	20	J
4-Chlorophenyl Phenyl Eth	mg/Kg	1.70	1.2	71	45 - 121	1.2	70	1.30	20	J
4-Nitroaniline	mg/Kg	1.70	1.4	82	79 - 122	1.3	81	1.60	20	J
4-Bromophenyl Phenyl Eth	mg/Kg	1.70	1	62	46 - 124	1.2	74	18	20	J
Hexachlorobenzene	mg/Kg	1.70	1.2	70	45 - 122	1.2	72	3	20	J
Phenanthrene	mg/Kg	1.70	1.1	67	49 - 133	1.1	68	2.10	20	J

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Preparation Method: SW-846 3550B
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Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Anthracene	mg/Kg	1.70	1.1	66	50 - 114	1.1	66	0.30	20	J
Carbazole	mg/Kg	1.70	1.1	67	36 - 123	1.1	69	2.50	20	J
Di-n-Butyl Phthalate	mg/Kg	1.70	1.2	72	51 - 128	1.3	78	8.70	20	J
Fluoranthene	mg/Kg	1.70	1.1	68	55 - 119	1.1	69	2.40	20	J
Pyrene	mg/Kg	1.70	1.2	70	55 - 117	1.2	71	1.80	20	J
Butyl benzyl phthalate	mg/Kg	1.70	1.3	81	48 - 132	1.4	82	1.70	20	J
Benzo[a]anthracene	mg/Kg	1.70	1.2	71	54 - 122	1.2	72	1.10	20	J
3,3`-Dichlorobenzidine	mg/Kg	1.70	1.1	65	22 - 121	1.1	66	0.90	20	J
Chrysene	mg/Kg	1.70	1.1	67	57 - 118	1.1	67	0.50	20	J
bis(2-Ethylhexyl) phthalate	mg/Kg	1.70	1.4	84	51 - 133	1.4	85	0.90	20	J
Di-n-octyl Phthalate	mg/Kg	1.70	1.3	81	45 - 140	1.3	81	0.50	20	J
Benzo[b]fluoranthene	mg/Kg	1.70	1.1	66	53 - 128	1.2	75	12	20	J
Benzo[k]fluoranthene	mg/Kg	1.70	1.1	64	56 - 123	1.2	69	8.40	20	J
Benzo[a]pyrene	mg/Kg	1.70	1.1	66	50 - 125	1.2	72	8.60	20	J
Indeno(1,2,3-cd)pyrene	mg/Kg	1.70	1.1	65	49 - 130	1.1	69	5.90	20	J
Dibenzo[a,h]anthracene	mg/Kg	1.70	1.1	65	50 - 129	1.2	72	11	20	J
Benzo[g,h,i]perylene	mg/Kg	1.70	0.97	59	49 - 127	1.1	66	12	20	J
N-Nitrosodiphenylamine	mg/Kg	1.70	1	63	38 - 127	1	62	1.70	20	J
Biphenyl	mg/Kg	1.70	1.1	67	40 - 117	1.1	67	0.80	20	J
Atrazine	mg/Kg	1.70	1	63	47 - 127	1.1	66	5.60	20	J
Benzaldehyde	mg/Kg	1.70	0.54	33	10 - 90	0.46	28	16	20	J
Caprolactam	mg/Kg	1.70	1.7	101	46 - 117	1.6	95	6.30	20	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2,4,6-Tribromophenol (S)	mg/L	1.66	1.06	64	39 - 132	0.9920	60	6.40		J
2-Fluorobiphenyl (S)	mg/L	1.66	1.13	68	44 - 115	1.10	66	3.40		J
2-Fluorophenol (S)	mg/L	1.66	1.09	66	35 - 115	0.97	58	11		J
2-Methylnaphthalene-d10 (S)	mg/L	1.66	1.19	72	50 - 150	1.06	64	11		J
Fluoranthene-d10 (S)	mg/L	1.66	1.14	69	50 - 150	1.15	69	0.20		J
Nitrobenzene-d5 (S)	mg/L	1.66	1.19	72	37 - 122	1.05	63	13		J
Phenol-d6 (S)	mg/L	1.66	1.10	66	33 - 122	0.9720	59	12		J
p-Terphenyl-d14 (S)	mg/L	1.66	1.25	75	54 - 127	1.17	70	6.80		J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Result Comments

Method Blank - 5421505 - bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample - 5421506 - bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5421507 - bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5421508 - bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Results

QC Batch: MSSj/4191
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411208014, J2411208015
Analysis Method: DoD SW-846 8270D

Method Blank(5430592)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Phenol	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Chlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2-Methylphenol (o-Cresol)	0.33U	mg/Kg	0.17	0.33	0.67	J
3+4-Methylphenol(mp-Cresol)	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Nitrophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4-Dimethylphenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4-Dichlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
4-Chloro-3-methylphenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4,6-Trichlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4,5-Trichlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4-Dinitrophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
4-Nitrophenol	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Methyl-4,6-dinitrophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
Pentachlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
bis(2-Chloroethyl)Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
bis(2-Chloroisopropyl) Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
Acetophenone	0.17U	mg/Kg	0.083	0.17	0.33	J
N-Nitrosodi-n-propylamine	0.17U	mg/Kg	0.083	0.17	0.33	J
Hexachloroethane	0.17U	mg/Kg	0.083	0.17	0.33	J
Nitrobenzene	0.33U	mg/Kg	0.17	0.33	0.67	J
Isophorone	0.17U	mg/Kg	0.083	0.17	0.33	J
bis(2-Chloroethoxy)methane	0.33U	mg/Kg	0.17	0.33	0.67	J
Naphthalene	0.010U	mg/Kg	0.0050	0.010	0.020	J
4-Chloroaniline	0.17U	mg/Kg	0.083	0.17	0.33	J
Hexachlorobutadiene	0.17U	mg/Kg	0.083	0.17	0.33	J
2-Methylnaphthalene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Hexachlorocyclopentadiene	0.17U	mg/Kg	0.083	0.17	0.33	J
2-Chloronaphthalene	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Nitroaniline	0.17U	mg/Kg	0.083	0.17	0.33	J
Dimethyl phthalate	0.17U	mg/Kg	0.083	0.17	0.33	J
2,6-Dinitrotoluene (2,6-DNT)	0.17U	mg/Kg	0.083	0.17	0.33	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: MSSj/4191
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411208014, J2411208015

Analysis Method: DoD SW-846 8270D

Parameter	Results	Units	DL	LOD	LOQ	Lab
Acenaphthylene	0.010U	mg/Kg	0.0050	0.010	0.020	J
3-Nitroaniline	0.33U	mg/Kg	0.17	0.33	0.67	J
Acenaphthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Dibenzofuran	0.010U	mg/Kg	0.0050	0.010	0.020	J
2,4-Dinitrotoluene (2,4-DNT)	0.17U	mg/Kg	0.083	0.17	0.33	J
Diethyl phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Fluorene	0.010U	mg/Kg	0.0050	0.010	0.020	J
4-Chlorophenyl Phenyl Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
4-Nitroaniline	0.33U	mg/Kg	0.17	0.33	0.67	J
4-Bromophenyl Phenyl Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
Hexachlorobenzene	0.17U	mg/Kg	0.083	0.17	0.33	J
Phenanthrene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Anthracene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Carbazole	0.010U	mg/Kg	0.0050	0.010	0.020	J
Di-n-Butyl Phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Fluoranthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Pyrene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Butyl benzyl phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Benzo[a]anthracene	0.010U	mg/Kg	0.0050	0.010	0.020	J
3,3`-Dichlorobenzidine	0.17U	mg/Kg	0.083	0.17	0.33	J
Chrysene	0.010U	mg/Kg	0.0050	0.010	0.020	J
bis(2-Ethylhexyl) phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Di-n-octyl Phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Benzo[b]fluoranthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Benzo[k]fluoranthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Benzo[a]pyrene	0.016U	mg/Kg	0.0080	0.016	0.032	J
Indeno(1,2,3-cd)pyrene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Dibenzo[a,h]anthracene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Benzo[g,h,i]perylene	0.010U	mg/Kg	0.0050	0.010	0.020	J
N-Nitrosodiphenylamine	0.17U	mg/Kg	0.083	0.17	0.33	J
Biphenyl	0.33U	mg/Kg	0.17	0.33	0.67	J
Benzaldehyde	0.17U	mg/Kg	0.083	0.17	0.33	J
Caprolactam	0.17U	mg/Kg	0.083	0.17	0.33	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Result Comments

Method Blank - 5430592 - 2,4-Dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Method Blank - 5430592 - 2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Method Blank - 5430592 - Hexachlorocyclopentadiene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Results

QC Batch: MSVj/10367 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006, J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013

Method Blank(5425646)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Dichlorodifluoromethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Chloromethane	0.0030U	mg/Kg	0.0015	0.0030	0.0060	J
Vinyl Chloride	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Bromomethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Chloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Trichlorofluoromethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Acetone	0.0030U	mg/Kg	0.0015	0.0030	0.0060	J
1,1-Dichloroethylene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Methylene Chloride	0.0030U	mg/Kg	0.0015	0.0030	0.0060	J
Carbon Disulfide	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
trans-1,2-Dichloroethylene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Methyl tert-butyl Ether (MTBE)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,1-Dichloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
2-Butanone (MEK)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
cis-1,2-Dichloroethylene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Chloroform	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2-Dichloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,1,1-Trichloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Carbon Tetrachloride	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Benzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2-Dichloropropane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Trichloroethene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Bromodichloromethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
cis-1,3-Dichloropropene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
4-Methyl-2-pentanone (MIBK)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
trans-1,3-Dichloropropylene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,1,2-Trichloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Toluene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
2-Hexanone	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Dibromochloromethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Ethylene Dibromide (EDB)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: MSVj/10367 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006, J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013

Parameter	Results	Units	DL	LOD	LOQ	Lab
Tetrachloroethylene (PCE)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Chlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Ethylbenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Bromoform	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Styrene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,1,2,2-Tetrachloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Isopropylbenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,3-Dichlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,4-Dichlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2-Dichlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2-Dibromo-3-Chloropropane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2,4-Trichlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Xylene (Total)	0.0045U	mg/Kg	0.0022	0.0045	0.0090	J
1,1,2-Trichlorotrifluoroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,4-Dioxane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Methyl Cyclohexane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Methyl Acetate	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Cyclohexane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	51.60	103	71 - 136	J
Bromofluorobenzene (S)	ug/L	50	52.60	105	79 - 119	J
Toluene-d8 (S)	ug/L	50	49	98	85 - 116	J

Lab Control Sample (5425647)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	mg/Kg	0.02	0.023	114	29 - 149	J
Chloromethane	mg/Kg	0.02	0.023	115	50 - 136	J
Vinyl Chloride	mg/Kg	0.02	0.023	116	56 - 135	J
Bromomethane	mg/Kg	0.02	0.026	128	53 - 143	J
Chloroethane	mg/Kg	0.02	0.024	119	59 - 139	J
Trichlorofluoromethane	mg/Kg	0.02	0.022	110	62 - 140	J
Acetone	mg/Kg	0.02	0.022	112	36 - 164	J
1,1-Dichloroethylene	mg/Kg	0.02	0.023	114	70 - 131	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: MSVj/10367 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006, J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Methylene Chloride	mg/Kg	0.02	0.023	113	70 - 128	J
Carbon Disulfide	mg/Kg	0.02	0.023	113	63 - 132	J
trans-1,2-Dichloroethylene	mg/Kg	0.02	0.023	113	74 - 125	J
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.02	0.023	113	73 - 125	J
1,1-Dichloroethane	mg/Kg	0.02	0.023	115	76 - 125	J
2-Butanone (MEK)	mg/Kg	0.02	0.023	114	51 - 148	J
cis-1,2-Dichloroethylene	mg/Kg	0.02	0.023	115	77 - 123	J
Chloroform	mg/Kg	0.02	0.023	116	78 - 123	J
1,2-Dichloroethane	mg/Kg	0.02	0.022	110	73 - 128	J
1,1,1-Trichloroethane	mg/Kg	0.02	0.023	114	73 - 130	J
Carbon Tetrachloride	mg/Kg	0.02	0.022	112	70 - 135	J
Benzene	mg/Kg	0.02	0.023	115	77 - 121	J
1,2-Dichloropropane	mg/Kg	0.02	0.023	117	76 - 123	J
Trichloroethene	mg/Kg	0.02	0.023	116	77 - 123	J
Bromodichloromethane	mg/Kg	0.02	0.022	110	75 - 127	J
cis-1,3-Dichloropropene	mg/Kg	0.02	0.023	113	74 - 126	J
4-Methyl-2-pentanone (MIBK)	mg/Kg	0.02	0.021	106	65 - 135	J
trans-1,3-Dichloropropylene	mg/Kg	0.02	0.022	111	71 - 130	J
1,1,2-Trichloroethane	mg/Kg	0.02	0.022	112	78 - 121	J
Toluene	mg/Kg	0.02	0.021	107	77 - 121	J
2-Hexanone	mg/Kg	0.02	0.02	101	53 - 145	J
Dibromochloromethane	mg/Kg	0.02	0.021	106	74 - 126	J
Ethylene Dibromide (EDB)	mg/Kg	0.02	0.022	110	78 - 122	J
Tetrachloroethylene (PCE)	mg/Kg	0.02	0.021	107	73 - 128	J
Chlorobenzene	mg/Kg	0.02	0.021	104	79 - 120	J
Ethylbenzene	mg/Kg	0.02	0.022	109	76 - 122	J
Bromoform	mg/Kg	0.02	0.021	105	67 - 132	J
Styrene	mg/Kg	0.02	0.021	107	76 - 124	J
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	0.023	116	70 - 124	J
Isopropylbenzene	mg/Kg	0.02	0.021	105	68 - 134	J
1,3-Dichlorobenzene	mg/Kg	0.02	0.02	99	77 - 121	J
1,4-Dichlorobenzene	mg/Kg	0.02	0.019	97	75 - 120	J
1,2-Dichlorobenzene	mg/Kg	0.02	0.019	94	78 - 121	J
1,2-Dibromo-3-Chloropropane	mg/Kg	0.02	0.02	98	61 - 132	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: MSVj/10367 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006, J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2,4-Trichlorobenzene	mg/Kg	0.02	0.018	90	67 - 129	J
Xylene (Total)	mg/Kg	0.06	0.065	108	78 - 124	J
1,1,2-Trichlorotrifluoroethane	mg/Kg	0.02	0.023	117	66 - 136	J
1,4-Dioxane	mg/Kg	0.02	0.021	107	55 - 138	J
Methyl Cyclohexane	mg/Kg	0.02	0.022	109	66 - 133	J
Methyl Acetate	mg/Kg	0.02	0.023	117	53 - 144	J
Cyclohexane	mg/Kg	0.02	0.022	111	67 - 131	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	50.60	101	71 - 136	J
Bromofluorobenzene (S)	ug/L	50	50.80	102	79 - 119	J
Toluene-d8 (S)	ug/L	50	49.50	99	85 - 116	J

Matrix Spike (5425648); Matrix Spike Duplicate (5425649); Original (J2411211004); Parent Lab Sample (J2411211004)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	mg/Kg	0.0320	0.033	103	29 - 149	0.042	135	**23**	20	J
Chloromethane	mg/Kg	0.0320	0.033	103	50 - 136	0.043	**139**	**25**	20	J
Vinyl Chloride	mg/Kg	0.0320	0.033	104	56 - 135	0.042	**138**	**24**	20	J
Bromomethane	mg/Kg	0.0320	0.034	105	53 - 143	0.046	**150**	**31**	20	J
Chloroethane	mg/Kg	0.0320	0.033	104	59 - 139	0.043	**140**	**25**	20	J
Trichlorofluoromethane	mg/Kg	0.0320	0.036	113	62 - 140	0.039	127	8.30	20	J
Acetone	mg/Kg	0.0320	0.055	**4.8**	36 - 164	0.064	37	17	20	J
1,1-Dichloroethylene	mg/Kg	0.0320	0.033	104	70 - 131	0.041	**135**	**21**	20	J
Methylene Chloride	mg/Kg	0.0320	0.03	95	70 - 128	0.037	120	20	20	J
Carbon Disulfide	mg/Kg	0.0320	0.03	95	63 - 132	0.038	124	**23**	20	J
trans-1,2-Dichloroethylene	mg/Kg	0.0320	0.033	102	74 - 125	0.04	**131**	**21**	20	J
Methyl tert-butyl Ether (MT	mg/Kg	0.0320	0.028	88	73 - 125	0.034	111	19	20	J
1,1-Dichloroethane	mg/Kg	0.0320	0.032	100	76 - 125	0.04	**131**	**22**	20	J
2-Butanone (MEK)	mg/Kg	0.0320	0.028	88	51 - 148	0.034	112	20	20	J
cis-1,2-Dichloroethylene	mg/Kg	0.0320	0.032	99	77 - 123	0.039	**128**	**21**	20	J
Chloroform	mg/Kg	0.0320	0.031	98	78 - 123	0.039	**127**	**22**	20	J
1,2-Dichloroethane	mg/Kg	0.0320	0.03	94	73 - 128	0.037	119	19	20	J
1,1,1-Trichloroethane	mg/Kg	0.0320	0.031	96	73 - 130	0.039	128	**24**	20	J
Carbon Tetrachloride	mg/Kg	0.0320	0.03	93	70 - 135	0.039	126	**26**	20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: MSVj/10367 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006, J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzene	mg/Kg	0.0320	0.031	96	77 - 121	0.038	**124**	**21**	20	J
1,2-Dichloropropane	mg/Kg	0.0320	0.032	100	76 - 123	0.039	**126**	19	20	J
Trichloroethene	mg/Kg	0.0320	0.032	99	77 - 123	0.04	**130**	**23**	20	J
Bromodichloromethane	mg/Kg	0.0320	0.03	95	75 - 127	0.036	118	18	20	J
cis-1,3-Dichloropropene	mg/Kg	0.0320	0.028	88	74 - 126	0.034	110	18	20	J
4-Methyl-2-pentanone (MIB	mg/Kg	0.0320	0.024	74	65 - 135	0.03	96	**22**	20	J
trans-1,3-Dichloropropylene	mg/Kg	0.0320	0.027	83	71 - 130	0.032	105	19	20	J
1,1,2-Trichloroethane	mg/Kg	0.0320	0.028	87	78 - 121	0.034	109	18	20	J
Toluene	mg/Kg	0.0320	0.03	92	77 - 121	0.035	114	17	20	J
2-Hexanone	mg/Kg	0.0320	0.024	74	53 - 145	0.03	96	**22**	20	J
Dibromochloromethane	mg/Kg	0.0320	0.027	85	74 - 126	0.031	102	15	20	J
Ethylene Dibromide (EDB)	mg/Kg	0.0320	0.028	86	78 - 122	0.032	106	16	20	J
Tetrachloroethylene (PCE)	mg/Kg	0.0320	0.029	90	73 - 128	0.034	110	16	20	J
Chlorobenzene	mg/Kg	0.0320	0.028	86	79 - 120	0.032	105	16	20	J
Ethylbenzene	mg/Kg	0.0320	0.029	92	76 - 122	0.034	111	15	20	J
Bromoform	mg/Kg	0.0320	0.025	79	67 - 132	0.03	98	17	20	J
Styrene	mg/Kg	0.0320	0.026	82	76 - 124	0.031	101	16	20	J
1,1,2,2-Tetrachloroethane	mg/Kg	0.0320	0.029	90	70 - 124	0.033	108	14	20	J
Isopropylbenzene	mg/Kg	0.0320	0.027	85	68 - 134	0.033	106	18	20	J
1,3-Dichlorobenzene	mg/Kg	0.0320	0.025	**76**	77 - 121	0.03	98	20	20	J
1,4-Dichlorobenzene	mg/Kg	0.0320	0.024	76	75 - 120	0.029	94	18	20	J
1,2-Dichlorobenzene	mg/Kg	0.0320	0.025	**77**	78 - 121	0.029	94	16	20	J
1,2-Dibromo-3-Chloropropa	mg/Kg	0.0320	0.023	71	61 - 132	0.028	90	19	20	J
1,2,4-Trichlorobenzene	mg/Kg	0.0320	0.019	**58**	67 - 129	0.022	72	17	20	J
Xylene (Total)	mg/Kg	0.0960	0.087	90	78 - 124	0.1	111	16	20	J
1,1,2-Trichlorotrifluoroethan	mg/Kg	0.0320	0.031	97	66 - 136	0.039	128	**23**	20	J
1,4-Dioxane	mg/Kg	0.0320	0.027	83	55 - 138	0.033	108	**21**	20	J
Methyl Cyclohexane	mg/Kg	0.0320	0.03	94	66 - 133	0.037	120	20	20	J
Methyl Acetate	mg/Kg	0.0320	0.031	97	53 - 144	0.037	121	18	20	J
Cyclohexane	mg/Kg	0.0320	0.031	98	67 - 131	0.039	127	**22**	20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: MSVj/10367 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, J2411208006, J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	80.10	84.40	105	71 - 136	82.40	107	2.30		J
Bromofluorobenzene (S)	ug/L	80.10	81.80	102	79 - 119	78.10	102	4.60		J
Toluene-d8 (S)	ug/L	80.10	77.90	97	85 - 116	74.50	97	4.50		J

QC Result Comments

Method Blank - 5425646 - Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample - 5425647 - Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5425648 - 1,2,4-Trichlorobenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5425648 - 1,2-Dichlorobenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5425648 - 1,3-Dichlorobenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5425648 - Acetone

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5425648 - Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5425649 - 1,1,1-Trichloroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - 1,1,2-Trichlorotrifluoroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - 1,1-Dichloroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - 1,1-Dichloroethylene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - 1,2-Dichloropropane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - 1,4-Dioxane

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Result Comments
Matrix Spike Duplicate - 5425649 - 2-Hexanone
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5425649 - 4-Methyl-2-pentanone (MIBK)
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5425649 - Benzene
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5425649 - Bromomethane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5425649 - Carbon Disulfide
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5425649 - Carbon Tetrachloride
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5425649 - Chloroethane
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5425649 - Chloroform
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5425649 - Chloromethane
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5425649 - Cyclohexane
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5425649 - Dichlorodifluoromethane
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5425649 - Trichloroethene
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5425649 - Vinyl Chloride
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5425649 - cis-1,2-Dichloroethylene
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5425649 - trans-1,2-Dichloroethylene
*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Results

QC Batch: MSVj/10369
Preparation Method: SW-846 5035
Associated Lab IDs: J2411208014, J2411208015
Analysis Method: DoD SW-846 8260C

Method Blank(5425650)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Dichlorodifluoromethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Chloromethane	0.0030U	mg/Kg	0.0015	0.0030	0.0060	J
Vinyl Chloride	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Bromomethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Chloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Trichlorofluoromethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Acetone	0.0030U	mg/Kg	0.0015	0.0030	0.0060	J
1,1-Dichloroethylene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Methylene Chloride	0.0030U	mg/Kg	0.0015	0.0030	0.0060	J
Carbon Disulfide	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
trans-1,2-Dichloroethylene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Methyl tert-butyl Ether (MTBE)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,1-Dichloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
2-Butanone (MEK)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
cis-1,2-Dichloroethylene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Chloroform	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2-Dichloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,1,1-Trichloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Carbon Tetrachloride	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Benzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2-Dichloropropane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Trichloroethene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Bromodichloromethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
cis-1,3-Dichloropropene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
4-Methyl-2-pentanone (MIBK)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
trans-1,3-Dichloropropylene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,1,2-Trichloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Toluene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
2-Hexanone	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Dibromochloromethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Ethylene Dibromide (EDB)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Batch: MSVj/10369
Preparation Method: SW-846 5035
Associated Lab IDs: J2411208014, J2411208015

Analysis Method: DoD SW-846 8260C

Parameter	Results	Units	DL	LOD	LOQ	Lab
Tetrachloroethylene (PCE)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Chlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Ethylbenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Bromoform	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Styrene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,1,2,2-Tetrachloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Isopropylbenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,3-Dichlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,4-Dichlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2-Dichlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2-Dibromo-3-Chloropropane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Xylene (Total)	0.0045U	mg/Kg	0.0022	0.0045	0.0090	J
1,1,2-Trichlorotrifluoroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,4-Dioxane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Methyl Cyclohexane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Methyl Acetate	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Cyclohexane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J

QC Result Comments

Method Blank - 5425650 - 1,1-Dichloroethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Method Blank - 5425650 - 1,1-Dichloroethylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Method Blank - 5425650 - 1,2-Dichloropropane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Method Blank - 5425650 - Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Method Blank - 5425650 - Chloroethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Method Blank - 5425650 - Chloromethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Method Blank - 5425650 - Cyclohexane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Result Comments

Method Blank - 5425650 - Dichlorodifluoromethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Method Blank - 5425650 - Trichlorofluoromethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Method Blank - 5425650 - Vinyl Chloride

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Method Blank - 5425650 - cis-1,2-Dichloroethylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Method Blank - 5425650 - trans-1,2-Dichloroethylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Results

QC Batch: MSVj/10400
Preparation Method: SW-846 5035
Associated Lab IDs: J2411208014, J2411208015
Analysis Method: DoD SW-846 8260C

Method Blank(5431158)

Parameter	Results	Units	DL	LOD	LOQ	Lab
1,2,4-Trichlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J

QC Result Comments

Method Blank - 5431158 - 1,2,4-Trichlorobenzene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
CVAj/2536 - DoD SW-846 7471A			
J2411208001	SB-18-0-2	DGMj/8774	SW-846 7471A
J2411208002	SB-18-8-9	DGMj/8774	SW-846 7471A
J2411208003	SB-7-0-2	DGMj/8774	SW-846 7471A
J2411208004	SB-7-8-9	DGMj/8774	SW-846 7471A
J2411208005	SB-8-0-2	DGMj/8774	SW-846 7471A
J2411208006	SB-8-5-6	DGMj/8774	SW-846 7471A
J2411208007	SB-9-0-2	DGMj/8774	SW-846 7471A
J2411208008	SB-9-7-8	DGMj/8774	SW-846 7471A
J2411208009	SB-5-0-2	DGMj/8774	SW-846 7471A
CVAj/2537 - DoD SW-846 7471A			
J2411208010	SB-5-6-7	DGMj/8775	SW-846 7471A
J2411208011	SB-4-0-2	DGMj/8775	SW-846 7471A
J2411208012	SB-4-4-5	DGMj/8775	SW-846 7471A
J2411208013	SB-10-0-2	DGMj/8775	SW-846 7471A
J2411208014	SB-3-0-2	DGMj/8775	SW-846 7471A
J2411208015	SB-3-6-7	DGMj/8775	SW-846 7471A
GCSj/6743 - DoD SW-846 8141B			
J2411208001	SB-18-0-2	EXTj/9671	DOD EPA 3546
J2411208002	SB-18-8-9	EXTj/9671	DOD EPA 3546
J2411208003	SB-7-0-2	EXTj/9671	DOD EPA 3546
J2411208004	SB-7-8-9	EXTj/9671	DOD EPA 3546
J2411208005	SB-8-0-2	EXTj/9671	DOD EPA 3546
J2411208006	SB-8-5-6	EXTj/9671	DOD EPA 3546
J2411208007	SB-9-0-2	EXTj/9671	DOD EPA 3546
J2411208008	SB-9-7-8	EXTj/9671	DOD EPA 3546
J2411208009	SB-5-0-2	EXTj/9671	DOD EPA 3546
J2411208010	SB-5-6-7	EXTj/9671	DOD EPA 3546
J2411208011	SB-4-0-2	EXTj/9671	DOD EPA 3546
J2411208012	SB-4-4-5	EXTj/9671	DOD EPA 3546
J2411208013	SB-10-0-2	EXTj/9671	DOD EPA 3546

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
GCSj/6745 - DOD SW-846 8081B			
J2411208001	SB-18-0-2	EXTj/9670	DOD EPA 3546
J2411208002	SB-18-8-9	EXTj/9670	DOD EPA 3546
J2411208003	SB-7-0-2	EXTj/9670	DOD EPA 3546
J2411208004	SB-7-8-9	EXTj/9670	DOD EPA 3546
J2411208005	SB-8-0-2	EXTj/9670	DOD EPA 3546
J2411208006	SB-8-5-6	EXTj/9670	DOD EPA 3546
GCSj/6746 - DoD SW-846 8082A			
J2411208001	SB-18-0-2	EXTj/9672	DOD EPA 3546
J2411208002	SB-18-8-9	EXTj/9672	DOD EPA 3546
J2411208003	SB-7-0-2	EXTj/9672	DOD EPA 3546
J2411208004	SB-7-8-9	EXTj/9672	DOD EPA 3546
J2411208005	SB-8-0-2	EXTj/9672	DOD EPA 3546
J2411208006	SB-8-5-6	EXTj/9672	DOD EPA 3546
GCSj/6755 - DOD SW-846 8081B			
J2411208007	SB-9-0-2	EXTj/9686	DOD EPA 3546
J2411208008	SB-9-7-8	EXTj/9686	DOD EPA 3546
J2411208009	SB-5-0-2	EXTj/9686	DOD EPA 3546
J2411208010	SB-5-6-7	EXTj/9686	DOD EPA 3546
J2411208011	SB-4-0-2	EXTj/9686	DOD EPA 3546
J2411208012	SB-4-4-5	EXTj/9686	DOD EPA 3546
J2411208013	SB-10-0-2	EXTj/9686	DOD EPA 3546
GCSj/6756 - DoD SW-846 8082A			
J2411208007	SB-9-0-2	EXTj/9687	DOD EPA 3546
J2411208008	SB-9-7-8	EXTj/9687	DOD EPA 3546
J2411208009	SB-5-0-2	EXTj/9687	DOD EPA 3546
J2411208010	SB-5-6-7	EXTj/9687	DOD EPA 3546
J2411208011	SB-4-0-2	EXTj/9687	DOD EPA 3546
J2411208012	SB-4-4-5	EXTj/9687	DOD EPA 3546
J2411208013	SB-10-0-2	EXTj/9687	DOD EPA 3546
GCSj/6777 - DoD SW-846 8141B			
J2411208014	SB-3-0-2	EXTj/9710	DOD EPA 3546
J2411208015	SB-3-6-7	EXTj/9710	DOD EPA 3546

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
GCSj/6784 - DoD SW-846 8082A			
J2411208014	SB-3-0-2	EXTj/9709	DOD EPA 3546
J2411208015	SB-3-6-7	EXTj/9709	DOD EPA 3546
GCSj/6785 - DOD SW-846 8081B			
J2411208014	SB-3-0-2	EXTj/9708	DOD EPA 3546
J2411208015	SB-3-6-7	EXTj/9708	DOD EPA 3546
ICMj/4562 - DoD SW-846 6020A			
J2411208001	SB-18-0-2	DGMj/8734	SW-846 3050B
J2411208002	SB-18-8-9	DGMj/8734	SW-846 3050B
ICMj/4563 - DoD SW-846 6020A			
J2411208003	SB-7-0-2	DGMj/8735	SW-846 3050B
J2411208004	SB-7-8-9	DGMj/8735	SW-846 3050B
J2411208005	SB-8-0-2	DGMj/8735	SW-846 3050B
J2411208006	SB-8-5-6	DGMj/8735	SW-846 3050B
J2411208007	SB-9-0-2	DGMj/8735	SW-846 3050B
J2411208008	SB-9-7-8	DGMj/8735	SW-846 3050B
J2411208009	SB-5-0-2	DGMj/8735	SW-846 3050B
J2411208010	SB-5-6-7	DGMj/8735	SW-846 3050B
J2411208011	SB-4-0-2	DGMj/8735	SW-846 3050B
J2411208012	SB-4-4-5	DGMj/8735	SW-846 3050B
J2411208013	SB-10-0-2	DGMj/8735	SW-846 3050B
J2411208014	SB-3-0-2	DGMj/8735	SW-846 3050B
J2411208015	SB-3-6-7	DGMj/8735	SW-846 3050B

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
ICPj/3751 - DoD SW-846 6010C			
J2411208001	SB-18-0-2	DGMj/8756	SW-846 3050B
J2411208002	SB-18-8-9	DGMj/8756	SW-846 3050B
J2411208003	SB-7-0-2	DGMj/8756	SW-846 3050B
J2411208004	SB-7-8-9	DGMj/8756	SW-846 3050B
J2411208005	SB-8-0-2	DGMj/8756	SW-846 3050B
J2411208006	SB-8-5-6	DGMj/8756	SW-846 3050B
J2411208007	SB-9-0-2	DGMj/8756	SW-846 3050B
J2411208008	SB-9-7-8	DGMj/8756	SW-846 3050B
J2411208009	SB-5-0-2	DGMj/8756	SW-846 3050B
J2411208010	SB-5-6-7	DGMj/8756	SW-846 3050B
J2411208011	SB-4-0-2	DGMj/8756	SW-846 3050B
J2411208012	SB-4-4-5	DGMj/8756	SW-846 3050B
J2411208013	SB-10-0-2	DGMj/8756	SW-846 3050B
J2411208014	SB-3-0-2	DGMj/8756	SW-846 3050B
J2411208015	SB-3-6-7	DGMj/8756	SW-846 3050B
MSSj/4172 - DoD SW-846 8270D			
J2411208001	SB-18-0-2	EXTj/9685	SW-846 3550B
J2411208002	SB-18-8-9	EXTj/9685	SW-846 3550B
J2411208003	SB-7-0-2	EXTj/9685	SW-846 3550B
J2411208004	SB-7-8-9	EXTj/9685	SW-846 3550B
J2411208005	SB-8-0-2	EXTj/9685	SW-846 3550B
J2411208006	SB-8-5-6	EXTj/9685	SW-846 3550B
J2411208007	SB-9-0-2	EXTj/9685	SW-846 3550B
J2411208008	SB-9-7-8	EXTj/9685	SW-846 3550B
J2411208009	SB-5-0-2	EXTj/9685	SW-846 3550B
J2411208010	SB-5-6-7	EXTj/9685	SW-846 3550B
J2411208011	SB-4-0-2	EXTj/9685	SW-846 3550B
J2411208012	SB-4-4-5	EXTj/9685	SW-846 3550B
J2411208013	SB-10-0-2	EXTj/9685	SW-846 3550B
MSSj/4191 - DoD SW-846 8270D			
J2411208014	SB-3-0-2	EXTj/9723	SW-846 3550B
J2411208015	SB-3-6-7	EXTj/9723	SW-846 3550B

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSVj/10367 - DoD SW-846 8260C			
J2411208001	SB-18-0-2	MSVj/10366	SW-846 5035
J2411208002	SB-18-8-9	MSVj/10366	SW-846 5035
J2411208003	SB-7-0-2	MSVj/10366	SW-846 5035
J2411208004	SB-7-8-9	MSVj/10366	SW-846 5035
J2411208005	SB-8-0-2	MSVj/10366	SW-846 5035
J2411208006	SB-8-5-6	MSVj/10366	SW-846 5035
J2411208007	SB-9-0-2	MSVj/10366	SW-846 5035
J2411208008	SB-9-7-8	MSVj/10366	SW-846 5035
J2411208009	SB-5-0-2	MSVj/10366	SW-846 5035
J2411208010	SB-5-6-7	MSVj/10366	SW-846 5035
J2411208011	SB-4-0-2	MSVj/10366	SW-846 5035
J2411208012	SB-4-4-5	MSVj/10366	SW-846 5035
J2411208013	SB-10-0-2	MSVj/10366	SW-846 5035
MSVj/10369 - DoD SW-846 8260C			
J2411208014	SB-3-0-2	MSVj/10368	SW-846 5035
J2411208015	SB-3-6-7	MSVj/10368	SW-846 5035
MSVj/10400 - DoD SW-846 8260C			
J2411208014	SB-3-0-2	MSVj/10399	SW-846 5035
J2411208015	SB-3-6-7	MSVj/10399	SW-846 5035

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411208)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCAj/15472 - SM 2540G			
J2411208001	SB-18-0-2		
J2411208002	SB-18-8-9		
J2411208003	SB-7-0-2		
J2411208004	SB-7-8-9		
J2411208005	SB-8-0-2		
J2411208006	SB-8-5-6		
J2411208007	SB-9-0-2		
J2411208008	SB-9-7-8		
J2411208009	SB-5-0-2		
J2411208010	SB-5-6-7		
J2411208011	SB-4-0-2		
J2411208012	SB-4-4-5		
J2411208013	SB-10-0-2		
J2411208014	SB-3-0-2		
J2411208015	SB-3-6-7		

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☐ **Fort Myers:** 13100 Westlinks Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: E84492
☑ **Jacksonville:** 6681 Southpoint Pkwy., FL 32216 • 904.363.9350 • Lab ID: E82574
☐ **Tallahassee:** 2639 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: E811095
☐ **Gaine**
☐ **Mira**
☐ **Tam**

* J 2 4 1 1 2 0 8 *

Client Name:	Aerostar SES LLC
Address:	3550 St Johns Bluff Rd South
	Jacksonville, FL 32224
Phone:	904-565-2820
FAX:	
Contact:	Rick Levin
Sampled By:	Rick Levin / Ryan Reynolds
Turn Around Time:	Standard Rush
AEL Profile #:	78092
Project Name:	Rio Puerto Nuevo DMMA
Project Number:	117.24.1078.0001
PO Number:	
FDEP Facility No:	
FDEP Facility Addr:	
Special Instructions:	
	ADaPT EQuIS Other

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	BOTTLE SIZE & TYPE	40 mL Vials	8 oz Jar	4 oz Jar								LABORATORY I.D. NUMBER
							ANALYSIS REQUIRED	8260 VOCs + 1,4 Dioxane	8270 TCL/8082/8081/8141	PP Metals (6020/7470)								
							Preservation	MeOH/DI	Ice	Ice								
							Field-Filtered?											
SB-18-0-2		C	7-29-24	0930	SO	6		X	X	X								001
SB-18-8-9		C	7-29-24	0950	SO	6		X	X	X								002
SB-7-0-2		C	7-29-24	1105	SO	6		X	X	X								003
SB-7-8-9		C	7-29-24	1140	SO	6		X	X	X								004
SB-8-0-2		C	7-29-24	1315	SO	6		X	X	X								005
SB-8-5-6		C	7-29-24	1345	SO	6		X	X	X								006
SB-9-0-2		C	7-30-24	1010	SO	6		X	X	X								007
SB-9-7-8		C	7-30-24	1040	SO	6		X	X	X								008
SB-5-0-2		C	7-30-24	1145	SO	6		X	X	X								009
SB-5-6-7		C	7-30-24	1205	SO	6		X	X	X								010

Matrix Code: **WW** = wastewater **SW** = surface water **GW** = ground water **DW** = drinking water **O** = oil **A** = air **SO** = soil **SL** = sludge

Preservation Code: I = ice H=(HCl) S = (H_2SO_4) N = (HNO_3) T = (Sodium Thiosulfate)

Temp. when received (observed)____ °C Temp. when received (corrected) 4.5 °C

Received on Ice ☐ Yes ☐ No ☑ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked

Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A

DCN: AD-D051web Form last revised 08/07/2019

	Relinquished by:	Date	Time	Received by:	Date	Time
1		7-31-24	1700	FEDEX	7-31-24	1700
2	FEDEX	8-1-24	0900	Campbell	8-1-24	0900
3						
4						

FOR DRINKING WATER USE:

(When PWS Information not otherwise supplied) PWS ID: _____

Contact Person: _____

Supplier of Water: _____

Site-Address: _____

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- ☐ **Fort Myers:** 13100 Westlinks Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: E84492
- ☑ **Jacksonville:** 6681 Southpoint Pkwy., FL 32216 • 904.363.9350 • Lab ID: E82574
- ☐ **Tallahassee:** 2639 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: E811095
- ☐ **Gainesville:** 4965 SW 41st Blvd., FL 32608 • 352.377.2349 • Lab ID: E82001
- ☐ **Miramar:** 10200 USA Today Way, FL 33025 • 954.889.2288 • Lab ID: E82535

Client Name:	Aerostar SES LLC
Address:	3550 St Johns Bluff Rd South
	Jacksonville, FL 32224
Phone:	904-565-2820
FAX:	
Contact:	Rick Levin
Sampled By:	Rick Levin / Ryan Reynolds
Turn Around Time:	Standard Rush
AEL Profile #:	78092

Project Name:	Rio Puerto Nuevo DMMA
Project Number:	117.24.1078.0001
PO Number:	
FDEP Facility No:	
FDEP Facility Addr:	
Special Instructions:	
	ADaPT EQuIS Other

* J 2 4 1 1 2 0 8 *

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	BOTTLE SIZE & TYPE	40 mL Vials	8 oz Jar	4 oz Jar	LABORATORY I.D. NUMBER
							ANALYSIS REQUIRED	8260 VOCs + 1,4 Dioxane	8270 TCL/8082/8081/8141	PP Metals (6020/7470)	
							Preservation	MeOH/DI	Ice	Ice	
							Field-Filtered?				
SB-4-0-2		C	7-30-24	1410	SO	6		X	X	X	011
SB-4-4-5		C	7-30-24	1435	SO	6		X	X	X	012
SB-10-0-2		C	7-31-24	0910	SO	6		X	X	X	013
SB-3-0-2		C	7-31-24	1115	SO	6		X	X	X	014
SB-3-6-7		C	7-31-24	1140	SO	6		X	X	X	015

Matrix Code: **WW** = wastewater **SW** = surface water **GW** = ground water **DW** = drinking water **O** = oil **A** = air **SO** = soil **SL** = sludge

Preservation Code: I = ice H=(HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Received on Ice ☑ Yes ☐ No ☑ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked

Temp. when received (observed)_____ °C Temp. when received (corrected) 4.5 °C

Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A

DCN: AD-D051web Form last revised 08/07/2019

	Relinquished by:	Date	Time	Received by:	Date	Time
1		7-31-24	1700	FEDEX	7-31-24	1700
2	FEDEX	8-1-24	0900	J Campbell	8-1-24	0900
3						
4						

FOR DRINKING WATER USE:

(When PWS Information not otherwise supplied) PWS ID: _____

Contact Person: _____

Supplier of Water: _____

Site-Address: _____

Advanced Environmental Labs Inc

Client: Aerostar | Project name: Río Puerto Nuevo

Date/Time Rcvd: 8-1-24 0900 | Log-In request number: 52411208

Received by: T Campbell | Completed by: SL

Cooler/Shipping Information:

Courier: ☐ AEL ☐ Client ☐ UPS ☐ Blue Streak ☑ FedEx ☐ AES ☐ ASAP ☐ Other (describe): _____

Type: ☑ Cooler ☐ Box ☐ Other (describe) _____

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

Cooler ID	1-8				
Temp (°C)	4.5°C				
Temp taken from	☑ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler
Temp measured with	☐ IR gun S/N 9333779 ☑ Thermometer (enter ID): 9A	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):

Other Information:

Any discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact?	✓		
2. Were custody papers properly included with samples?	✓		
3. Were custody papers properly filled out (ink, signed, match labels)?		✓	
4. Did all bottles arrive in good condition (unbroken)?		✓	
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	✓		
6. Did the sample labels agree with the chain of custody?		✓	
7. Were correct bottles used for the tests indicated?	✓		
8. Were proper sample preservation techniques indicated on the label?	✓		
9. Were samples received within holding times?	✓		
10. Were all VOA vials free of the presence of air bubbles?		✓	
11. Have all Soil VOA Vials and Encores been placed in a freezer within 48 hours of collection? (5)	~~✓~~	✓	
12. Were samples in direct contact with wet ice? If "No," check one: ☐ NO ICE ☐ BLUE ICE	✓		
13. Was the cooler temperature less than 6°C?	✓		
14. Where pH preservation is required, are sample pHs checked and any anomalies recorded by Sample control? Are all <2 or >10? Note: VOA samples are checked by laboratory analysts.	✓		
15. Was sufficient sample volume provided to perform all tests?	✓		
16. If for Bacteriological testing, were containers supplied by AEL? (See QA officer if answer is no)			✓
17. Were all sample containers provided by AEL? (Other than Bacteriological)	✓		
18. Were samples accepted into the laboratory?	✓		
19. When necessary to split samples into other bottles, is it noted in the comments?	✓		
20. Where Encores received and if so, how many?			✓

Comments: (Note all sample(s) and container (s)" with a "No" checklist response in this comment section)

Sample "SB-5-5-6" (D.I. VOA 1 of 2) was broken, Sample "SB-1-7-8" (1 of 2 D.I. VOAs) was broken — there is no COC present with this sample ID along with at least 7 sets of soil samples that're not listed.

(5) Sample #10 is listed as SB-5-6-7 on COC & SB-5-5-6 on bottles

DCN: AD-D048
Eff date 2/3/10, Last rev 2/3/21

Advanced Environmental Laboratories, Inc.

Work Order: J2411208
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6743

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation:

All holding times were met.

Analysis:

III. Method

DoD SW-846 8141B

Analysis:

DOD EPA 3546

Preparation:

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: The upper control criterion was exceeded for surrogate Tributylphosphate in sample J2411208001, J2411208002, J2411208004, J2411208005, J2411208006, 5420582LCS. The error associated with an elevated recovery equates to a high bias. The quality of the sample data is not significantly affected, as internal recoveries were within acceptance criteria of the ICAL and are consistent with quality control samples. The outlier surrogates are qualified with a J4 to indicate potential matrix interference

Spikes: The matrix spike (MS) recoveries of Mevinphos and Dimethoate were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. The affected sample is qualified to indicate matrix interference.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411208
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 10367

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8260C

Preparation: SW-846 5035

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: The upper control criterion was exceeded for Bromomethane in opening and closing Continuing Calibration Verification (CCV) standards for analytical batch 10367, indicating increased sensitivity. The client samples reported in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. The data were qualified accordingly.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes The matrix spike (MS) recoveries of several target analytes were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. The affected sample is qualified to indicate matrix interference. The upper control criterion was exceeded for several target analytes in the matrix spike duplicate in analytical batch 10367. The analytes in question were not detected in the associated client samples. The error associated with elevated recovery equates to a high bias. The quality of the data is not affected. The data were qualified accordingly. The relative percent difference (RPD) for several target analytes in the replicate matrix spike analyses was outside control criteria. Failing RPD indicates inconsistency in the parent sample matrix. All spike recoveries in the associated LCS were within acceptable limits, indicating the analytical batch was in control. The data were qualified accordingly.

Internal Standard:	All acceptance criteria were met.
Samples:	All acceptance criteria were met.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411208
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 15472

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation:	All holding times were met.
Analysis:	All holding times were met.

III. Method

Analysis:	SM 2540G
Preparation:	

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration:	All acceptance criteria were met.
Blanks:	All acceptance criteria were met.
Surrogates:	All acceptance criteria were met.
Spikes	All acceptance criteria were met.
Internal Standard:	All acceptance criteria were met.
Samples:	All acceptance criteria were met.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411208
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 4191

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8270D

Preparation: SW-846 3550B

IV. Preparation

V. Analysis

Calibration: The Continuing Calibration Verification (CCV) standards were below the method acceptance of 80-120% for Atrazine. The samples associated with this CCV will be reanalyzed under a passing CCV and reported.
The upper control criterion was exceeded for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol in Continuing Calibration Verification (CCV) standards for analytical batch 4191, indicating increased sensitivity. The client samples reported in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes: The spike recovery of Hexachlorocyclopentadiene for the Laboratory Control Sample (LCS) was outside the upper control criterion. The analyte in question was not detected in the associated client samples. The error associated with elevated recovery equates to a high bias. The affected data was qualified accordingly. The sample data is not significantly affected. No further corrective action was required.

Internal Standard: All acceptance criteria were met.

Samples:

Advanced Environmental Laboratories, Inc.

Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411208
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 10369

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8260C

Preparation: SW-846 5035

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: The upper control criterion was exceeded for several target analytes in the opening and/or closing Continuing Calibration Verification (CCV) standards for analytical batch 10369, indicating increased sensitivity. The client samples reported in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. The data were qualified accordingly.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes The upper control criterion was exceeded for several target analytes in the matrix spike and/or matrix spike duplicate for analytical batch 10369. The analytes in question were not detected in the associated client samples. The error associated with elevated recovery equates to a high bias. The quality of the data is not affected. The data were qualified accordingly. The matrix spike (MS) and/or matrix spike duplicate (MSD) recoveries of several target analytes for J2411208014 were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. The affected sample is qualified to indicate matrix interference. The relative percent difference (RPD) for several target analytes in the replicate matrix spike analyses of J2411208014 was outside control criteria. Failing RPD indicates inconsistency in the parent sample matrix. All spike recoveries in the associated LCS were within acceptable limits, indicating the analytical batch was in control. The data were qualified accordingly.

Internal Standard:	All acceptance criteria were met.
Samples:	All acceptance criteria were met.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411208
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 4562

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 6020A

Preparation: SW-846 3050B

IV. Preparation

The Limit of Detection (LOD) for all analytes for J2411208 were elevated due to difficult sample matrix. Due to matrix interferences, the sample were diluted 10X. As a result, the reported limits are elevated on the final report.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes: The matrix spike (MS) and matrix spike duplicate (MSD) recoveries of Thallium are not calculable due to the spike concentration added being diluted below the LOQ. Recoveries in the Laboratory Control Sample (LCS) were acceptable, which indicates the analytical batch was in control. The post spike (PS) analysis was outside control criteria for Thallium. The data was flagged accordingly.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411208
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6777

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation:	All holding times were met.
Analysis:	All holding times were met.

III. Method

Analysis:	DoD SW-846 8141B
Preparation:	DOD EPA 3546

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration:	All acceptance criteria were met.
Blanks:	All acceptance criteria were met.
Surrogates:	All acceptance criteria were met.
Spikes	All acceptance criteria were met.
Internal Standard:	All acceptance criteria were met.
Samples:	All acceptance criteria were met.
Other:	All acceptance criteria were met.
Serial Dilution:	Sample J2411336002 was diluted prior to analysis due to color and viscosity. The data is qualified accordingly.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411208
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6756

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8082A

Preparation: DOD EPA 3546

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: The upper control criterion was exceeded for the following surrogate in the closing Continuing Calibration Verification (CCV): Tetrachloro-m-xylene. Since the apparent problem equates to a potential high bias, the surrogates were flagged accordingly. The data was qualified accordingly.

Blanks: All acceptance criteria were met.

Surrogates: The control criteria were exceeded for surrogates Tetrachloro-m-xylene and/or Decachlorobiphenyl in associated Matrix Spike (MS), J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, and J2411208012. The associated QC analysis recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outliers were flagged accordingly. No further corrective action was required.

Spikes All acceptance criteria were met.

Internal Standard: All acceptance criteria were met.

Samples: The samples associated Matrix Spike (MS) and Matrix Spike Duplicate (MSD), J2411208013, J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, and J2411208012 were diluted prior to instrumental analysis. The extracts were colored and viscous which indicated the need to perform a dilution prior to injection into the instrument.

Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411208
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 3751

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 6010C

Preparation: SW-846 3050B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes: The matrix spike (MS) and matrix spike duplicate (MSD) recoveries of multiple analytes for J2411208001 were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) were acceptable, which indicates the analytical batch was in control. The post spike (PS) analysis was outside control criteria for multiple analytes. The data was flagged accordingly.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411208
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6755

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DOD SW-846 8081B

Preparation: DOD EPA 3546

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: The upper control criterion was exceeded for the following surrogate in the Continuing Calibration Verification (CCV): Tetrachloro-m-xylene. Since the apparent problem equates to a potential high bias, the surrogates were flagged accordingly. The data was qualified accordingly.
The upper control criterion was exceeded for several analytes in Continuing Calibration Verification (CCV) standards for analytical batch GCSj: 6755, indicating increased sensitivity. The client samples in this batch that did not contain the analytes in question were reported. Since the apparent problem equates to a potential high bias, the data quality is not affected. The samples that have potential presence of those analytes were analyzed a second time at a higher dilution to reduce the effects of the sample matrix interferences on the Continuing Calibration Verification (CCV).
The lower control criterion was not met for the analytes 4,4`-DDT and Methoxychlor in Continuing Calibration Verification (CCV) standard associated with associated Matrix Spike (MS) and Matrix Spike Duplicate (MSD), J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, and J2411208013 due to difficult sample matrix. The sample matrices caused a low bias for the analytes in question in the original analysis of the samples. The samples were analyzed a second time at a higher dilution to reduce the effects of the sample matrix interferences on the ending bracketing CCV recoveries. The bracketing CCV standard in the re-analysis met QC criteria. The re-analysis results were reported for 4,4`-DDT and Methoxychlor.

Blanks:	All acceptance criteria were met.
Surrogates:	The control criteria were exceeded for surrogates Tetrachloro-m-xylene and/or Decachlorobiphenyl in associated Matrix Spike (MS) and Matrix Spike Duplicate (MSD), J2410916007, J2411208013, J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, and J2411208012. No target analytes associates to the surrogates were found in the samples. The surrogate outliers were flagged accordingly. No further corrective action was required.
Spikes	The matrix spike duplicate recoveries of beta-BHC were outside control criteria because of matrix interference. The chromatogram indicated the presence of non-target background components that prevented adequate resolution of the target analytes. As a result, accurate quantitation was not possible. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The data was qualified accordingly. The matrix spike recoveries for the following analytes in the matrix spike (MS) analyses of parent sample was outside control criteria: alpha-Chlordane, gamma-Chlordane. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The data was qualified accordingly.
	All acceptance criteria were met.
Internal Standard:	The samples J2411208007, J2411208008, J2411208009, J2411208010, J2411208011, J2411208012, J2411208013, associated Matrix Spike (MS) and Matrix Spike Duplicate (MSD), were diluted prior to instrumental analysis. The extracts were colored and viscous which indicated the need to perform a dilution prior to injection into the instrument.
Samples:	
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411208
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6746

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8082A

Preparation: DOD EPA 3546

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: The control criteria were exceeded for surrogates Tetrachloro-m-xylene and/or Decachlorobiphenyl in J2411208002, J2411208003, J2411208005, and J2411208006. The associated QC analysis recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outliers were flagged accordingly. No further corrective action was required.

Spikes All acceptance criteria were met.

Internal Standard: All acceptance criteria were met.

Samples: The samples ssociated Matrix Spike (MS) and Matrix Spike Duplicate (MSD), J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, and J2411208006 were diluted prior to instrumental analysis. The extracts were highly colored and viscous which indicated the need to perform a dilution prior to injection into the instrument.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411208
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 4172

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8270D

Preparation: SW-846 3550B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: The upper control criterion was exceeded for bis(2-Chloroisopropyl)ether in Continuing Calibration Verification (CCV) standards for analytical batch 4172, indicating increased sensitivity. The client samples reported in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.
The upper control criterion was exceeded for Benzo(g,h,i)perylene in the closing Continuing Calibration Verification (CCV). The samples analyzed in this batch that contained the analytes in question, will be reanalyzed under a passing CCV

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes All acceptance criteria were met.

Internal Standard: All acceptance criteria were met.

Samples:

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411208
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 4563

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 6020A

Preparation: SW-846 3050B

IV. Preparation

The Limit of Detection (LOD) for all analytes for J2411208 were elevated due to difficult sample matrix. Due to matrix interferences, the sample were diluted 10X. As a result, the reported limits are elevated on the final report.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes: The matrix spike (MS) and matrix spike duplicate (MSD) recoveries of Thallium for J2411208003 are not calculable due to the spike concentration added being diluted below the LOQ. Recoveries in the Laboratory Control Sample (LCS) were acceptable, which indicates the analytical batch was in control. The post spike (PS) analysis was outside control criteria for Thallium. The data was flagged accordingly.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411208
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6785

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DOD SW-846 8081B

Preparation: DOD EPA 3546

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: The upper control criterion was exceeded for delta-BHC and 4,4'-DDD in Continuing Calibration Verification (CCV) standards for analytical batch GCSj: 6785, indicating increased sensitivity. The client samples in this batch that did not contain the analytes in question were reported. Since the apparent problem equates to a potential high bias, the data quality is not affected. The data has been qualified accordingly.
The lower control criterion was not met for the analytes 4,4`-DDT and Methoxychlor in Continuing Calibration Verification (CCV) standard associated with samples J2411208015 due to difficult sample matrix. The sample matrices caused a low bias for the analytes in question in the original analysis of the samples. The samples were analyzed a second time at a higher dilution to reduce the effects of the sample matrix interferences on the ending bracketing CCV recoveries. The bracketing CCV standard in the re-analysis met QC criteria. The re-analysis results were reported for 4,4`-DDT and Methoxychlor.

Blanks: All acceptance criteria were met.

Surrogates: The control criteria were exceeded for surrogates Tetrachloro-m-xylene and/or Decachlorobiphenyl in J2411208014, associated Matrix Spike (MS) and Matrix Spike Duplicate (MSD), J2411208015. The associated QC analysis recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outliers were flagged accordingly. The data was qualified accordingly.

All acceptance criteria were met.

Spikes

Internal Standard:	All acceptance criteria were met.
Samples:	The samples J2411208014, associated Matrix Spike (MS) and Matrix Spike Duplicate (MSD), and J2411208015 were diluted prior to instrumental analysis. The extracts were highly colored and viscous which indicated the need to perform a dilution prior to injection into the instrument.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411208
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6784

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8082A

Preparation: DOD EPA 3546

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: The control criteria were exceeded for surrogates Tetrachloro-m-xylene and/or Decachlorobiphenyl in J2411208014, J2411208015 and associated Matrix Spike (MS) The associated QC analysis recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outliers were flagged accordingly. The data was qualified accordingly.

Spikes All acceptance criteria were met.

Internal Standard: All acceptance criteria were met.

Samples: The samples J2411208014, J2411208015 and associated Matrix Spike (MS) and Matrix Spike Duplicate (MSD), were diluted prior to instrumental analysis. The extracts were highly colored and viscous which indicated the need to perform a dilution prior to injection into the instrument.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411208
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6745

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DOD SW-846 8081B

Preparation: DOD EPA 3546

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration:

The upper control criterion was exceeded for 4,4`-DDD in Continuing Calibration Verification (CCV) standards for analytical batch GCSj: 6742, indicating increased sensitivity. The client samples reported in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.
The lower control criterion was not met for the analytes 4,4`-DDT and Toxaphene in the ending bracketing Continuing Calibration Verification (CCV) standard associated with associated Matrix Spike (MS) and Matrix Spike Duplicate (MSD), J2411208001, and J2411208002 due to difficult sample matrix. The sample matrices caused a low bias for the analytes in question in the original analysis of the samples. The samples were analyzed a second time at a higher dilution to reduce the effects of the sample matrix interferences on the ending bracketing CCV recoveries. The bracketing CCV standard in the re-analysis met QC criteria. The re-analysis results were reported for 4,4`-DDT and Toxaphene.
The lower control criterion was not met for the analytes 4,4`-DDT, Methoxychlor, Endrin Ketone, and Toxaphene in the ending bracketing Continuing Calibration Verification (CCV) standard associated with J2411208003, J2411208004, J2411208005, and J2411208006 due to difficult sample matrix. The sample matrices caused a low bias for the analytes in question in the original analysis of the samples. The samples were analyzed a second time at a higher dilution to reduce the effects of the sample matrix interferences on the ending bracketing CCV recoveries. The bracketing CCV standard in the re-analysis met QC criteria. The re-analysis results were reported for 4,4`-DDT, Methoxychlor, Endrin Ketone, and Toxaphene.

All acceptance criteria were met.

Blanks:

Surrogates:

The control criteria were exceeded for surrogates Tetrachloro-m-xylene and/or Decachlorobiphenyl in J2411208002, J2411208003, J2411208005, and J2411208006. The associated QC analysis recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outliers were flagged accordingly. No further corrective action was required.

Spikes

The matrix spike duplicate recoveries of 4,4'-DDE were outside control criteria due to the presence of target analytes in the sample. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential high bias in this matrix. The affected sample is qualified to indicate matrix interference.
The relative percent difference (RPD) for the following analyte(s) in the replicate matrix spike analyses was outside control criteria: Endrin, 4,4'-DDD. Failing RPD indicates inconsistency in the parent sample matrix. Spike recoveries in the MS, MSD and associated LCS were within acceptable limits, indicating the analytical batch was in control. No further corrective action was needed.

All acceptance criteria were met.

Internal Standard:

Advanced Environmental Laboratories, Inc.

Samples:	The samples J24111211001, associated Matrix Spike (MS) and Matrix Spike Duplicate (MSD), J2411208001, J2411208002, J2411208003, J2411208004, J2411208005, and J2411208006 were diluted prior to instrumental analysis. The extracts were highly colored and viscous which indicated the need to perform a dilution prior to injection into the instrument.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411208
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 10400

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8260C

Preparation: SW-846 5035

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: The Continuing Calibration Verification (CCV) standards were below the method acceptance of 80-120% for 1,2,4-Trichlorobenzene. The samples were reanalyzed and confirmed results. As the analytes in question were not detected in the field samples, the results are deemed acceptable. The data were qualified accordingly.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes All acceptance criteria were met.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

August 23, 2024

Rick Levin
Aerostar SES LLC (ASL)
3550 St Johns Bluff Road South
Jacksonville, FL 32224

RE: Workorder: J2411211 Bechara Lands/Rio Puerto Nuevo

Dear Rick Levin:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday August 1, 2024. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christina M. Tompkins

Chris Tompkins, Project Manager
CTompkins@aellab.com

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
J2411211001	SB-20-6-7	SO	DOD SW-846 8081B	07/25/2024 12:10	08/01/2024 09:00	22	Dry
J2411211001	SB-20-6-7	SO	DoD SW-846 6010C	07/25/2024 12:10	08/01/2024 09:00	12	Dry
J2411211001	SB-20-6-7	SO	DoD SW-846 6020A	07/25/2024 12:10	08/01/2024 09:00	1	Dry
J2411211001	SB-20-6-7	SO	DoD SW-846 7471A	07/25/2024 12:10	08/01/2024 09:00	1	Dry
J2411211001	SB-20-6-7	SO	DoD SW-846 8082A	07/25/2024 12:10	08/01/2024 09:00	9	Dry
J2411211001	SB-20-6-7	SO	DoD SW-846 8141B	07/25/2024 12:10	08/01/2024 09:00	25	Dry
J2411211001	SB-20-6-7	SO	DoD SW-846 8260C	07/25/2024 12:10	08/01/2024 09:00	49	Dry
J2411211001	SB-20-6-7	SO	DoD SW-846 8270D	07/25/2024 12:10	08/01/2024 09:00	65	Dry
J2411211001	SB-20-6-7	SO	SM 2540G	07/25/2024 12:10	08/01/2024 09:00	1	Dry
J2411211002	SB-19-0-2	SO	DOD SW-846 8081B	07/25/2024 15:00	08/01/2024 09:00	22	Dry
J2411211002	SB-19-0-2	SO	DoD SW-846 6010C	07/25/2024 15:00	08/01/2024 09:00	12	Dry
J2411211002	SB-19-0-2	SO	DoD SW-846 6020A	07/25/2024 15:00	08/01/2024 09:00	1	Dry
J2411211002	SB-19-0-2	SO	DoD SW-846 7471A	07/25/2024 15:00	08/01/2024 09:00	1	Dry
J2411211002	SB-19-0-2	SO	DoD SW-846 8082A	07/25/2024 15:00	08/01/2024 09:00	9	Dry
J2411211002	SB-19-0-2	SO	DoD SW-846 8141B	07/25/2024 15:00	08/01/2024 09:00	25	Dry
J2411211002	SB-19-0-2	SO	DoD SW-846 8260C	07/25/2024 15:00	08/01/2024 09:00	49	Dry
J2411211002	SB-19-0-2	SO	DoD SW-846 8270D	07/25/2024 15:00	08/01/2024 09:00	65	Dry
J2411211002	SB-19-0-2	SO	SM 2540G	07/25/2024 15:00	08/01/2024 09:00	1	Dry
J2411211003	SB-1-7-8	SO	DOD SW-846 8081B	07/25/2024 13:55	08/01/2024 09:00	22	Dry
J2411211003	SB-1-7-8	SO	DoD SW-846 6010C	07/25/2024 13:55	08/01/2024 09:00	12	Dry
J2411211003	SB-1-7-8	SO	DoD SW-846 6020A	07/25/2024 13:55	08/01/2024 09:00	1	Dry
J2411211003	SB-1-7-8	SO	DoD SW-846 7471A	07/25/2024 13:55	08/01/2024 09:00	1	Dry
J2411211003	SB-1-7-8	SO	DoD SW-846 8082A	07/25/2024 13:55	08/01/2024 09:00	9	Dry
J2411211003	SB-1-7-8	SO	DoD SW-846 8141B	07/25/2024 13:55	08/01/2024 09:00	25	Dry
J2411211003	SB-1-7-8	SO	DoD SW-846 8260C	07/25/2024 13:55	08/01/2024 09:00	49	Dry
J2411211003	SB-1-7-8	SO	DoD SW-846 8270D	07/25/2024 13:55	08/01/2024 09:00	65	Dry
J2411211003	SB-1-7-8	SO	SM 2540G	07/25/2024 13:55	08/01/2024 09:00	1	Dry
J2411211004	SB-17-6-7	SO	DOD SW-846 8081B	07/25/2024 09:50	08/01/2024 09:00	22	Dry
J2411211004	SB-17-6-7	SO	DoD SW-846 6010C	07/25/2024 09:50	08/01/2024 09:00	12	Dry
J2411211004	SB-17-6-7	SO	DoD SW-846 6020A	07/25/2024 09:50	08/01/2024 09:00	1	Dry
J2411211004	SB-17-6-7	SO	DoD SW-846 7471A	07/25/2024 09:50	08/01/2024 09:00	1	Dry
J2411211004	SB-17-6-7	SO	DoD SW-846 8082A	07/25/2024 09:50	08/01/2024 09:00	9	Dry
J2411211004	SB-17-6-7	SO	DoD SW-846 8141B	07/25/2024 09:50	08/01/2024 09:00	25	Dry
J2411211004	SB-17-6-7	SO	DoD SW-846 8260C	07/25/2024 09:50	08/01/2024 09:00	49	Dry
J2411211004	SB-17-6-7	SO	DoD SW-846 8270D	07/25/2024 09:50	08/01/2024 09:00	65	Dry

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
J2411211004	SB-17-6-7	SO	SM 2540G	07/25/2024 09:50	08/01/2024 09:00	1	Dry
J2411211005	SB-17-0-4	SO	DOD SW-846 8081B	07/25/2024 09:30	08/01/2024 09:00	22	Dry
J2411211005	SB-17-0-4	SO	DoD SW-846 6010C	07/25/2024 09:30	08/01/2024 09:00	12	Dry
J2411211005	SB-17-0-4	SO	DoD SW-846 6020A	07/25/2024 09:30	08/01/2024 09:00	1	Dry
J2411211005	SB-17-0-4	SO	DoD SW-846 7471A	07/25/2024 09:30	08/01/2024 09:00	1	Dry
J2411211005	SB-17-0-4	SO	DoD SW-846 8082A	07/25/2024 09:30	08/01/2024 09:00	9	Dry
J2411211005	SB-17-0-4	SO	DoD SW-846 8141B	07/25/2024 09:30	08/01/2024 09:00	25	Dry
J2411211005	SB-17-0-4	SO	DoD SW-846 8260C	07/25/2024 09:30	08/01/2024 09:00	49	Dry
J2411211005	SB-17-0-4	SO	DoD SW-846 8270D	07/25/2024 09:30	08/01/2024 09:00	65	Dry
J2411211005	SB-17-0-4	SO	SM 2540G	07/25/2024 09:30	08/01/2024 09:00	1	Dry
J2411211006	SB-20-0-4	SO	DOD SW-846 8081B	07/25/2024 11:15	08/01/2024 09:00	22	Dry
J2411211006	SB-20-0-4	SO	DoD SW-846 6010C	07/25/2024 11:15	08/01/2024 09:00	12	Dry
J2411211006	SB-20-0-4	SO	DoD SW-846 6020A	07/25/2024 11:15	08/01/2024 09:00	1	Dry
J2411211006	SB-20-0-4	SO	DoD SW-846 7471A	07/25/2024 11:15	08/01/2024 09:00	1	Dry
J2411211006	SB-20-0-4	SO	DoD SW-846 8082A	07/25/2024 11:15	08/01/2024 09:00	9	Dry
J2411211006	SB-20-0-4	SO	DoD SW-846 8141B	07/25/2024 11:15	08/01/2024 09:00	25	Dry
J2411211006	SB-20-0-4	SO	DoD SW-846 8260C	07/25/2024 11:15	08/01/2024 09:00	49	Dry
J2411211006	SB-20-0-4	SO	DoD SW-846 8270D	07/25/2024 11:15	08/01/2024 09:00	65	Dry
J2411211006	SB-20-0-4	SO	SM 2540G	07/25/2024 11:15	08/01/2024 09:00	1	Dry
J2411211007	SB-1-0-2	SO	DOD SW-846 8081B	07/25/2024 13:45	08/01/2024 09:00	22	Dry
J2411211007	SB-1-0-2	SO	DoD SW-846 6010C	07/25/2024 13:45	08/01/2024 09:00	12	Dry
J2411211007	SB-1-0-2	SO	DoD SW-846 6020A	07/25/2024 13:45	08/01/2024 09:00	1	Dry
J2411211007	SB-1-0-2	SO	DoD SW-846 7471A	07/25/2024 13:45	08/01/2024 09:00	1	Dry
J2411211007	SB-1-0-2	SO	DoD SW-846 8082A	07/25/2024 13:45	08/01/2024 09:00	9	Dry
J2411211007	SB-1-0-2	SO	DoD SW-846 8141B	07/25/2024 13:45	08/01/2024 09:00	25	Dry
J2411211007	SB-1-0-2	SO	DoD SW-846 8260C	07/25/2024 13:45	08/01/2024 09:00	49	Dry
J2411211007	SB-1-0-2	SO	DoD SW-846 8270D	07/25/2024 13:45	08/01/2024 09:00	65	Dry
J2411211007	SB-1-0-2	SO	SM 2540G	07/25/2024 13:45	08/01/2024 09:00	1	Dry

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Workorder Summary

Workorder Comments

Samples were received in the laboratory without a chain of custody. The COC was created in the laboratory after communication with the client.

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results Qualifiers

Parameter Qualifiers

U	The compound was analyzed for but not detected.
J	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
Q	One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
H	Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.
J	The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Lab Qualifiers

J	DOH Certification #E82574 (FL NELAC) AEL-Jacksonville DOD-ELAP Certification #L23-514 (ISO/IEC 17025:2017) AEL-Jacksonville

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211001 **Date Collected:** 07/25/2024 12:10 **Matrix:** Soil
Sample ID: SB-20-6-7 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	**3.0**	mg/Kg	0.59	1.2	2.3	1	08/07/2024 11:06	08/07/2024 21:10	J
Barium	**470**	mg/Kg	15	29	59	25	08/07/2024 11:06	08/09/2024 02:35	J
Cadmium	**8.9**	mg/Kg	0.059	0.12	0.23	1	08/07/2024 11:06	08/07/2024 21:10	J
Copper	**530**	mg/Kg	15	29	59	25	08/07/2024 11:06	08/09/2024 02:35	J
Nickel	**71**	mg/Kg	0.59	1.2	2.3	1	08/07/2024 11:06	08/07/2024 21:10	J
Silver	**4.9**	mg/Kg	0.23	0.47	0.94	1	08/07/2024 11:06	08/07/2024 21:10	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.12U	mg/Kg	0.059	0.12	0.24	10	08/06/2024 07:15	08/07/2024 11:34	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.14**	mg/Kg	0.0014	0.0029	0.0058	1	08/12/2024 10:19	08/12/2024 15:16	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.0092U	mg/Kg	0.0046	0.0092	0.018	5	08/05/2024 09:00	08/06/2024 15:12	J
4,4`-DDE	0.016J	mg/Kg	0.0046	0.0092	0.018	5	08/05/2024 09:00	08/06/2024 15:12	J
4,4`-DDT	0.092U	mg/Kg	0.046	0.092	0.18	25	08/05/2024 09:00	08/07/2024 17:54	J
Aldrin	0.0092U	mg/Kg	0.0046	0.0092	0.018	5	08/05/2024 09:00	08/06/2024 15:12	J
Chlordane (technical)	0.17U	mg/Kg	0.083	0.17	0.33	5	08/05/2024 09:00	08/06/2024 15:12	J
Dieldrin	0.0092U	mg/Kg	0.0046	0.0092	0.018	5	08/05/2024 09:00	08/06/2024 15:12	J
Endosulfan I	0.0092U	mg/Kg	0.0046	0.0092	0.018	5	08/05/2024 09:00	08/06/2024 15:12	J
Endosulfan II	0.0092U	mg/Kg	0.0046	0.0092	0.018	5	08/05/2024 09:00	08/06/2024 15:12	J
Endosulfan Sulfate	0.0092U	mg/Kg	0.0046	0.0092	0.018	5	08/05/2024 09:00	08/06/2024 15:12	J
Endrin	0.018U	mg/Kg	0.0092	0.018	0.037	5	08/05/2024 09:00	08/06/2024 15:12	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211001 **Date Collected:** 07/25/2024 12:10 **Matrix:** Soil
Sample ID: SB-20-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.0092U	mg/Kg	0.0046	0.0092	0.018	5	08/05/2024 09:00	08/06/2024 15:12	J
Endrin ketone	0.0092U	mg/Kg	0.0046	0.0092	0.018	5	08/05/2024 09:00	08/06/2024 15:12	J
Heptachlor	0.0092U	mg/Kg	0.0046	0.0092	0.018	5	08/05/2024 09:00	08/06/2024 15:12	J
Heptachlor Epoxide	0.0092U	mg/Kg	0.0046	0.0092	0.018	5	08/05/2024 09:00	08/06/2024 15:12	J
Methoxychlor	0.0092U	mg/Kg	0.0046	0.0092	0.018	5	08/05/2024 09:00	08/06/2024 15:12	J
Toxaphene	1.4U	mg/Kg	0.69	1.4	2.8	25	08/05/2024 09:00	08/07/2024 17:54	J
alpha-BHC	0.0092U	mg/Kg	0.0046	0.0092	0.018	5	08/05/2024 09:00	08/06/2024 15:12	J
alpha-Chlordane	0.018U	mg/Kg	0.014	0.018	0.037	5	08/05/2024 09:00	08/06/2024 15:12	J
beta-BHC	0.0092U	mg/Kg	0.0046	0.0092	0.018	5	08/05/2024 09:00	08/06/2024 15:12	J
delta-BHC	0.0092U	mg/Kg	0.0046	0.0092	0.018	5	08/05/2024 09:00	08/06/2024 15:12	J
gamma-BHC (Lindane)	0.0092U	mg/Kg	0.0046	0.0092	0.018	5	08/05/2024 09:00	08/06/2024 15:12	J
gamma-Chlordane	0.018U	mg/Kg	0.0092	0.018	0.037	5	08/05/2024 09:00	08/06/2024 15:12	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.28U	mg/Kg	0.14	0.28	0.55	5	08/05/2024 09:00	08/06/2024 22:03	J
Aroclor 1221 (PCB-1221)	0.28U	mg/Kg	0.14	0.28	0.55	5	08/05/2024 09:00	08/06/2024 22:03	J
Aroclor 1232 (PCB-1232)	0.28U	mg/Kg	0.14	0.28	0.55	5	08/05/2024 09:00	08/06/2024 22:03	J
Aroclor 1242 (PCB-1242)	0.28U	mg/Kg	0.14	0.28	0.55	5	08/05/2024 09:00	08/06/2024 22:03	J
Aroclor 1248 (PCB-1248)	0.28U	mg/Kg	0.14	0.28	0.55	5	08/05/2024 09:00	08/06/2024 22:03	J
Aroclor 1254 (PCB-1254)	0.28U	mg/Kg	0.14	0.28	0.55	5	08/05/2024 09:00	08/06/2024 22:03	J
Aroclor 1260 (PCB-1260)	0.28U	mg/Kg	0.14	0.28	0.55	5	08/05/2024 09:00	08/06/2024 22:03	J
Aroclor 1262 (PCB-1262)	0.28U	mg/Kg	0.14	0.28	0.55	5	08/05/2024 09:00	08/06/2024 22:03	J
Aroclor 1268 (PCB-1268)	0.28U	mg/Kg	0.14	0.28	0.55	5	08/05/2024 09:00	08/06/2024 22:03	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J
Azinphos-methyl	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J
Chlorpyrifos	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J
Chlorpyrifos-methyl	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211001 **Date Collected:** 07/25/2024 12:10 **Matrix:** Soil
Sample ID: SB-20-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J
Demeton-O	18U	ug/Kg	9.2	18	37	1	08/05/2024 09:00	08/09/2024 02:55	J
Demeton-S	18U	ug/Kg	9.2	18	37	1	08/05/2024 09:00	08/09/2024 02:55	J
Diazinon	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J
Dimethoate	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J
Disulfoton	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J
Ethion	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J
Ethoprop	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J
Famphur	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J
Fensulfothion	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J
Fonophos	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J
Malathion	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J
Merphos	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J
Methyl Parathion	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J
Mevinphos	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J
Parathion (Ethyl)	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J
Phorate	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J
Phosmet	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J
Ronnel	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J
Simazine	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J
Sulfotep	37U	ug/Kg	18	37	74	1	08/05/2024 09:00	08/09/2024 02:55	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
2,4,6-Trichlorophenol	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
2,4-Dichlorophenol	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
2,4-Dimethylphenol	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
2,4-Dinitrophenol	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211001 **Date Collected:** 07/25/2024 12:10 **Matrix:** Soil
Sample ID: SB-20-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
2,6-Dinitrotoluene (2,6-DNT)	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
2-Chloronaphthalene	0.38U	mg/Kg	0.19	0.38	0.77	1	08/04/2024 08:00	08/07/2024 03:50	J
2-Chlorophenol	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
2-Methyl-4,6-dinitrophenol	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
2-Methylnaphthalene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 03:50	J
2-Methylphenol (o-Cresol)	0.38U	mg/Kg	0.19	0.38	0.77	1	08/04/2024 08:00	08/07/2024 03:50	J
2-Nitroaniline	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
2-Nitrophenol	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
3+4-Methylphenol(mp-Cresol)	0.38U	mg/Kg	0.19	0.38	0.77	1	08/04/2024 08:00	08/07/2024 03:50	J
3,3`-Dichlorobenzidine	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
3-Nitroaniline	0.38U	mg/Kg	0.19	0.38	0.77	1	08/04/2024 08:00	08/07/2024 03:50	J
4-Bromophenyl Phenyl Ether	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
4-Chloro-3-methylphenol	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
4-Chloroaniline	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
4-Chlorophenyl Phenyl Ether	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
4-Nitroaniline	0.38U	mg/Kg	0.19	0.38	0.77	1	08/04/2024 08:00	08/07/2024 03:50	J
4-Nitrophenol	0.38U	mg/Kg	0.19	0.38	0.77	1	08/04/2024 08:00	08/07/2024 03:50	J
Acenaphthene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 03:50	J
Acenaphthylene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 03:50	J
Acetophenone	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
Anthracene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 03:50	J
Atrazine	0.38U	mg/Kg	0.19	0.38	0.77	1	08/04/2024 08:00	08/07/2024 03:50	J
Benzaldehyde	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
Benzo[a]anthracene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 03:50	J
Benzo[a]pyrene	0.018U	mg/Kg	0.0092	0.018	0.037	1	08/04/2024 08:00	08/07/2024 03:50	J
Benzo[b]fluoranthene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 03:50	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211001 **Date Collected:** 07/25/2024 12:10 **Matrix:** Soil
Sample ID: SB-20-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 03:50	J
Benzo[k]fluoranthene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 03:50	J
Biphenyl	0.38U	mg/Kg	0.19	0.38	0.77	1	08/04/2024 08:00	08/07/2024 03:50	J
Butyl benzyl phthalate	0.38U	mg/Kg	0.19	0.38	0.77	1	08/04/2024 08:00	08/07/2024 03:50	J
Caprolactam	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
Carbazole	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 03:50	J
Chrysene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 03:50	J
Di-n-Butyl Phthalate	0.30J	mg/Kg	0.19	0.38	0.77	1	08/04/2024 08:00	08/07/2024 03:50	J
Di-n-octyl Phthalate	0.38U	mg/Kg	0.19	0.38	0.77	1	08/04/2024 08:00	08/07/2024 03:50	J
Dibenzo[a,h]anthracene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 03:50	J
Dibenzofuran	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 03:50	J
Diethyl phthalate	0.38U	mg/Kg	0.19	0.38	0.77	1	08/04/2024 08:00	08/07/2024 03:50	J
Dimethyl phthalate	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
Fluoranthene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 03:50	J
Fluorene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 03:50	J
Hexachlorobenzene	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
Hexachlorobutadiene	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
Hexachlorocyclopentadiene	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
Hexachloroethane	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
Indeno(1,2,3-cd)pyrene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 03:50	J
Isophorone	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
N-Nitrosodi-n-propylamine	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
N-Nitrosodiphenylamine	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
Naphthalene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 03:50	J
Nitrobenzene	0.38U	mg/Kg	0.19	0.38	0.77	1	08/04/2024 08:00	08/07/2024 03:50	J
Pentachlorophenol	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
Phenanthrene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 03:50	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211001 **Date Collected:** 07/25/2024 12:10 **Matrix:** Soil
Sample ID: SB-20-6-7 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	0.38U	mg/Kg	0.19	0.38	0.77	1	08/04/2024 08:00	08/07/2024 03:50	J
Pyrene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 03:50	J
bis(2-Chloroethyl)Ether	0.19U	mg/Kg	0.096	0.19	0.38	1	08/04/2024 08:00	08/07/2024 03:50	J
bis(2-Ethylhexyl) phthalate	0.38U	mg/Kg	0.19	0.38	0.77	1	08/04/2024 08:00	08/07/2024 03:50	J
(SM 2540G)									
Percent Moisture	**13**	%		0.0010	0.0010	1	08/07/2024 15:45	08/07/2024 15:45	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
1,1,2,2-Tetrachloroethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
1,1,2-Trichloroethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
1,1,2-Trichlorotrifluoroethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
1,1-Dichloroethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
1,1-Dichloroethylene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
1,2,4-Trichlorobenzene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
1,2-Dibromo-3-Chloropropane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
1,2-Dichlorobenzene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
1,2-Dichloroethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
1,2-Dichloropropane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
1,3-Dichlorobenzene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
1,4-Dichlorobenzene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
1,4-Dioxane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
2-Butanone (MEK)	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211001 **Date Collected:** 07/25/2024 12:10 **Matrix:** Soil
Sample ID: SB-20-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2-Hexanone	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
4-Methyl-2-pentanone (MIBK)	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Acetone	**0.044**	mg/Kg	0.0018	0.0036	0.0072	1	08/07/2024 11:51	08/07/2024 18:41	J
Benzene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Bromodichloromethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Bromoform	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Bromomethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Carbon Disulfide	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Carbon Tetrachloride	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Chlorobenzene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Chloroethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Chloroform	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Chloromethane	0.0036U	mg/Kg	0.0018	0.0036	0.0072	1	08/07/2024 11:51	08/07/2024 18:41	J
Cyclohexane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Dibromochloromethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Dichlorodifluoromethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Ethylbenzene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Ethylene Dibromide (EDB)	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Isopropylbenzene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Methyl Acetate	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Methyl Cyclohexane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Methyl tert-butyl Ether (MTBE)	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211001 **Date Collected:** 07/25/2024 12:10 **Matrix:** Soil
Sample ID: SB-20-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Methylene Chloride	0.0036U	mg/Kg	0.0018	0.0036	0.0072	1	08/07/2024 11:51	08/07/2024 18:41	J
Styrene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Tetrachloroethylene (PCE)	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Toluene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Trichloroethene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Trichlorofluoromethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Vinyl Chloride	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
Xylene (Total)	0.0054U	mg/Kg	0.0027	0.0054	0.011	1	08/07/2024 11:51	08/07/2024 18:41	J
cis-1,2-Dichloroethylene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
cis-1,3-Dichloropropene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
trans-1,2-Dichloroethylene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J
trans-1,3-Dichloropropylene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 18:41	J

Analysis Results Comments

4,4`-DDD

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

4,4`-DDE

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Antimony

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Arsenic

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Atrazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Analysis Results Comments

Azinphos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Barium

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Beryllium

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Cadmium

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Chlorpyrifos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Chlorpyrifos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Copper

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Demeton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Demeton-O

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Demeton-S

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Diazinon

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Dimethoate

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Disulfoton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Analysis Results Comments

Endrin

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Ethion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Ethoprop

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Famphur

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Fensulfothion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Fonophos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Lead

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Malathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Merphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Methyl Parathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Mevinphos

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Nickel

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Parathion (Ethyl)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Phorate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Phosmet

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Analysis Results Comments

Ronnel

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Selenium

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Silver

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Simazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Sulfotep

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Thallium

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Tributylphosphate

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Zinc

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	52	58.40	112	71 - 136	J
Toluene-d8 (S)	ug/Kg	52	49.40	95	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	52	55.40	107	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.08	0.1160	144	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.16	0.2410	**150**	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1670	1220	73	39 - 132	J
Phenol-d6 (S)	ug/Kg	1670	1270	76	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1670	1400	84	44 - 115	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorophenol (S)	ug/Kg	1670	1260	75	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1670	1290	78	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1670	1230	74	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1670	1360	82	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1670	1350	81	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.08	0.1240	**155**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.16	0.2370	**148**	42 - 129	J
Tributylphosphate (S)	ug/Kg	160	207	**130**	63 - 111	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211002 **Date Collected:** 07/25/2024 15:00 **Matrix:** Soil
Sample ID: SB-19-0-2 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.1U	mg/Kg	0.55	1.1	2.2	1	08/07/2024 11:06	08/07/2024 21:35	J
Barium	**22**	mg/Kg	0.55	1.1	2.2	1	08/07/2024 11:06	08/07/2024 21:35	J
Cadmium	0.14J	mg/Kg	0.055	0.11	0.22	1	08/07/2024 11:06	08/07/2024 21:35	J
Copper	**24**	mg/Kg	0.55	1.1	2.2	1	08/07/2024 11:06	08/07/2024 21:35	J
Nickel	**5.3**	mg/Kg	0.55	1.1	2.2	1	08/07/2024 11:06	08/07/2024 21:35	J
Silver	0.35J	mg/Kg	0.22	0.44	0.89	1	08/07/2024 11:06	08/07/2024 21:35	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.11U	mg/Kg	0.057	0.11	0.23	10	08/06/2024 07:15	08/07/2024 11:37	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.21**	mg/Kg	0.0016	0.0032	0.0063	1	08/12/2024 10:19	08/12/2024 15:19	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.0084U	mg/Kg	0.0042	0.0084	0.017	5	08/05/2024 09:00	08/06/2024 16:14	J
4,4`-DDE	0.0084U	mg/Kg	0.0042	0.0084	0.017	5	08/05/2024 09:00	08/06/2024 16:14	J
4,4`-DDT	0.084U	mg/Kg	0.042	0.084	0.17	25	08/05/2024 09:00	08/07/2024 18:55	J
Aldrin	0.0084U	mg/Kg	0.0042	0.0084	0.017	5	08/05/2024 09:00	08/06/2024 16:14	J
Chlordane (technical)	0.15U	mg/Kg	0.075	0.15	0.30	5	08/05/2024 09:00	08/06/2024 16:14	J
Dieldrin	0.0084U	mg/Kg	0.0042	0.0084	0.017	5	08/05/2024 09:00	08/06/2024 16:14	J
Endosulfan I	0.0084U	mg/Kg	0.0042	0.0084	0.017	5	08/05/2024 09:00	08/06/2024 16:14	J
Endosulfan II	0.0084U	mg/Kg	0.0042	0.0084	0.017	5	08/05/2024 09:00	08/06/2024 16:14	J
Endosulfan Sulfate	0.0084U	mg/Kg	0.0042	0.0084	0.017	5	08/05/2024 09:00	08/06/2024 16:14	J
Endrin	0.017U	mg/Kg	0.0084	0.017	0.033	5	08/05/2024 09:00	08/06/2024 16:14	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211002 **Date Collected:** 07/25/2024 15:00 **Matrix:** Soil
Sample ID: SB-19-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.0084U	mg/Kg	0.0042	0.0084	0.017	5	08/05/2024 09:00	08/06/2024 16:14	J
Endrin ketone	0.0084U	mg/Kg	0.0042	0.0084	0.017	5	08/05/2024 09:00	08/06/2024 16:14	J
Heptachlor	0.0084U	mg/Kg	0.0042	0.0084	0.017	5	08/05/2024 09:00	08/06/2024 16:14	J
Heptachlor Epoxide	0.0084U	mg/Kg	0.0042	0.0084	0.017	5	08/05/2024 09:00	08/06/2024 16:14	J
Methoxychlor	0.0084U	mg/Kg	0.0042	0.0084	0.017	5	08/05/2024 09:00	08/06/2024 16:14	J
Toxaphene	1.3U	mg/Kg	0.63	1.3	2.5	25	08/05/2024 09:00	08/07/2024 18:55	J
alpha-BHC	0.0084U	mg/Kg	0.0042	0.0084	0.017	5	08/05/2024 09:00	08/06/2024 16:14	J
alpha-Chlordane	0.017U	mg/Kg	0.013	0.017	0.033	5	08/05/2024 09:00	08/06/2024 16:14	J
beta-BHC	0.0084U	mg/Kg	0.0042	0.0084	0.017	5	08/05/2024 09:00	08/06/2024 16:14	J
delta-BHC	0.0084U	mg/Kg	0.0042	0.0084	0.017	5	08/05/2024 09:00	08/06/2024 16:14	J
gamma-BHC (Lindane)	0.0084U	mg/Kg	0.0042	0.0084	0.017	5	08/05/2024 09:00	08/06/2024 16:14	J
gamma-Chlordane	0.017U	mg/Kg	0.0084	0.017	0.033	5	08/05/2024 09:00	08/06/2024 16:14	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.25U	mg/Kg	0.13	0.25	0.50	5	08/05/2024 09:00	08/06/2024 23:05	J
Aroclor 1221 (PCB-1221)	0.25U	mg/Kg	0.13	0.25	0.50	5	08/05/2024 09:00	08/06/2024 23:05	J
Aroclor 1232 (PCB-1232)	0.25U	mg/Kg	0.13	0.25	0.50	5	08/05/2024 09:00	08/06/2024 23:05	J
Aroclor 1242 (PCB-1242)	0.25U	mg/Kg	0.13	0.25	0.50	5	08/05/2024 09:00	08/06/2024 23:05	J
Aroclor 1248 (PCB-1248)	0.25U	mg/Kg	0.13	0.25	0.50	5	08/05/2024 09:00	08/06/2024 23:05	J
Aroclor 1254 (PCB-1254)	0.25U	mg/Kg	0.13	0.25	0.50	5	08/05/2024 09:00	08/06/2024 23:05	J
Aroclor 1260 (PCB-1260)	0.25U	mg/Kg	0.13	0.25	0.50	5	08/05/2024 09:00	08/06/2024 23:05	J
Aroclor 1262 (PCB-1262)	0.25U	mg/Kg	0.13	0.25	0.50	5	08/05/2024 09:00	08/06/2024 23:05	J
Aroclor 1268 (PCB-1268)	0.25U	mg/Kg	0.13	0.25	0.50	5	08/05/2024 09:00	08/06/2024 23:05	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J
Azinphos-methyl	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J
Chlorpyrifos	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J
Chlorpyrifos-methyl	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211002 **Date Collected:** 07/25/2024 15:00 **Matrix:** Soil
Sample ID: SB-19-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J
Demeton-O	84U	ug/Kg	42	84	170	5	08/05/2024 09:00	08/09/2024 05:28	J
Demeton-S	84U	ug/Kg	42	84	170	5	08/05/2024 09:00	08/09/2024 05:28	J
Diazinon	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J
Dimethoate	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J
Disulfoton	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J
Ethion	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J
Ethoprop	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J
Famphur	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J
Fensulfothion	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J
Fonophos	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J
Malathion	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J
Merphos	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J
Methyl Parathion	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J
Mevinphos	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J
Parathion (Ethyl)	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J
Phorate	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J
Phosmet	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J
Ronnel	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J
Simazine	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J
Sulfotep	170U	ug/Kg	84	170	330	5	08/05/2024 09:00	08/09/2024 05:28	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
2,4,6-Trichlorophenol	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
2,4-Dichlorophenol	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
2,4-Dimethylphenol	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
2,4-Dinitrophenol	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211002 **Date Collected:** 07/25/2024 15:00 **Matrix:** Soil
Sample ID: SB-19-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
2,6-Dinitrotoluene (2,6-DNT)	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
2-Chloronaphthalene	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 08:08	J
2-Chlorophenol	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
2-Methyl-4,6-dinitrophenol	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
2-Methylnaphthalene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 08:08	J
2-Methylphenol (o-Cresol)	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 08:08	J
2-Nitroaniline	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
2-Nitrophenol	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
3+4-Methylphenol(mp-Cresol)	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 08:08	J
3,3`-Dichlorobenzidine	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
3-Nitroaniline	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 08:08	J
4-Bromophenyl Phenyl Ether	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
4-Chloro-3-methylphenol	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
4-Chloroaniline	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
4-Chlorophenyl Phenyl Ether	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
4-Nitroaniline	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 08:08	J
4-Nitrophenol	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 08:08	J
Acenaphthene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 08:08	J
Acenaphthylene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 08:08	J
Acetophenone	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
Anthracene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 08:08	J
Atrazine	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 08:08	J
Benzaldehyde	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
Benzo[a]anthracene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 08:08	J
Benzo[a]pyrene	0.36U	mg/Kg	0.18	0.36	0.71	20	08/04/2024 08:00	08/07/2024 08:08	J
Benzo[b]fluoranthene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 08:08	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211002 **Date Collected:** 07/25/2024 15:00 **Matrix:** Soil
Sample ID: SB-19-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 08:08	J
Benzo[k]fluoranthene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 08:08	J
Biphenyl	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 08:08	J
Butyl benzyl phthalate	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 08:08	J
Caprolactam	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
Carbazole	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 08:08	J
Chrysene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 08:08	J
Di-n-Butyl Phthalate	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 08:08	J
Di-n-octyl Phthalate	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 08:08	J
Dibenzo[a,h]anthracene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 08:08	J
Dibenzofuran	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 08:08	J
Diethyl phthalate	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 08:08	J
Dimethyl phthalate	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
Fluoranthene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 08:08	J
Fluorene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 08:08	J
Hexachlorobenzene	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
Hexachlorobutadiene	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
Hexachlorocyclopentadiene	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
Hexachloroethane	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
Indeno(1,2,3-cd)pyrene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 08:08	J
Isophorone	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
N-Nitrosodi-n-propylamine	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
N-Nitrosodiphenylamine	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
Naphthalene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 08:08	J
Nitrobenzene	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 08:08	J
Pentachlorophenol	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
Phenanthrene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 08:08	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211002 **Date Collected:** 07/25/2024 15:00 **Matrix:** Soil
Sample ID: SB-19-0-2 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 08:08	J
Pyrene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 08:08	J
bis(2-Chloroethyl)Ether	3.7U	mg/Kg	1.9	3.7	7.4	20	08/04/2024 08:00	08/07/2024 08:08	J
bis(2-Ethylhexyl) phthalate	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 08:08	J
(SM 2540G)									
Percent Moisture	**11**	%		0.0010	0.0010	1	08/07/2024 15:45	08/07/2024 15:45	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
1,1,2,2-Tetrachloroethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
1,1,2-Trichloroethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
1,1,2-Trichlorotrifluoroethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
1,1-Dichloroethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
1,1-Dichloroethylene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
1,2,4-Trichlorobenzene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
1,2-Dibromo-3-Chloropropane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
1,2-Dichlorobenzene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
1,2-Dichloroethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
1,2-Dichloropropane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
1,3-Dichlorobenzene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
1,4-Dichlorobenzene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
1,4-Dioxane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
2-Butanone (MEK)	**0.0047**	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211002 **Date Collected:** 07/25/2024 15:00 **Matrix:** Soil
Sample ID: SB-19-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2-Hexanone	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
4-Methyl-2-pentanone (MIBK)	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Acetone	**0.20**	mg/Kg	0.0019	0.0039	0.0077	1	08/07/2024 11:51	08/07/2024 19:07	J
Benzene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Bromodichloromethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Bromoform	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Bromomethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Carbon Disulfide	0.0029J	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Carbon Tetrachloride	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Chlorobenzene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Chloroethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Chloroform	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Chloromethane	0.0039U	mg/Kg	0.0019	0.0039	0.0077	1	08/07/2024 11:51	08/07/2024 19:07	J
Cyclohexane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Dibromochloromethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Dichlorodifluoromethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Ethylbenzene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Ethylene Dibromide (EDB)	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Isopropylbenzene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Methyl Acetate	**0.035**	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Methyl Cyclohexane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Methyl tert-butyl Ether (MTBE)	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211002 **Date Collected:** 07/25/2024 15:00 **Matrix:** Soil
Sample ID: SB-19-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Methylene Chloride	0.0020J	mg/Kg	0.0019	0.0039	0.0077	1	08/07/2024 11:51	08/07/2024 19:07	J
Styrene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Tetrachloroethylene (PCE)	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Toluene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Trichloroethene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Trichlorofluoromethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Vinyl Chloride	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
Xylene (Total)	0.0058U	mg/Kg	0.0029	0.0058	0.012	1	08/07/2024 11:51	08/07/2024 19:07	J
cis-1,2-Dichloroethylene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
cis-1,3-Dichloropropene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
trans-1,2-Dichloroethylene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J
trans-1,3-Dichloropropylene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 19:07	J

Analysis Results Comments

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Atrazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Azinphos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Chlorpyrifos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Chlorpyrifos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Analysis Results Comments

Demeton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Demeton-O

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Demeton-S

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Diazinon

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Dimethoate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Disulfoton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Ethion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Ethoprop

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Famphur

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Fensulfothion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Fonophos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Malathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Merphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Methyl Parathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Mevinphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Analysis Results Comments

Parathion (Ethyl)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Phorate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Phosmet

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Ronnel

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Simazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Sulfotep

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Tributylphosphate

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	57.60	77.10	134	71 - 136	J
Toluene-d8 (S)	ug/Kg	57.60	53.10	92	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	57.60	62.10	108	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0746	0.0525	70	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1490	0.1390	93	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1650	887	54	39 - 132	J
Phenol-d6 (S)	ug/Kg	1650	1210	73	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1650	1400	85	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1650	1270	77	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1650	1360	82	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1650	1410	85	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1650	1320	80	54 - 127	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Fluoranthene-d10 (S)	ug/Kg	1650	1430	86	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0746	0.0525	70	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1490	0.1390	93	42 - 129	J
Tributylphosphate (S)	ug/Kg	149	176	**118**	63 - 111	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211003 **Date Collected:** 07/25/2024 13:55 **Matrix:** Soil
Sample ID: SB-1-7-8 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.1U	mg/Kg	0.57	1.1	2.3	1	08/07/2024 11:06	08/07/2024 21:39	J
Barium	**160**	mg/Kg	2.8	5.7	11	5	08/07/2024 11:06	08/09/2024 03:00	J
Cadmium	0.16J	mg/Kg	0.057	0.11	0.23	1	08/07/2024 11:06	08/07/2024 21:39	J
Copper	**36**	mg/Kg	0.57	1.1	2.3	1	08/07/2024 11:06	08/07/2024 21:39	J
Nickel	**7.7**	mg/Kg	0.57	1.1	2.3	1	08/07/2024 11:06	08/07/2024 21:39	J
Silver	0.35J	mg/Kg	0.23	0.45	0.91	1	08/07/2024 11:06	08/07/2024 21:39	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.062J	mg/Kg	0.059	0.12	0.24	10	08/06/2024 07:15	08/07/2024 11:41	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.020**	mg/Kg	0.0014	0.0028	0.0057	1	08/12/2024 10:19	08/12/2024 15:22	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.0095U	mg/Kg	0.0047	0.0095	0.019	5	08/05/2024 09:00	08/06/2024 16:34	J
4,4`-DDE	0.0095U	mg/Kg	0.0047	0.0095	0.019	5	08/05/2024 09:00	08/06/2024 16:34	J
4,4`-DDT	0.095U	mg/Kg	0.047	0.095	0.19	25	08/05/2024 09:00	08/07/2024 19:16	J
Aldrin	0.0095U	mg/Kg	0.0047	0.0095	0.019	5	08/05/2024 09:00	08/06/2024 16:34	J
Chlordane (technical)	0.17U	mg/Kg	0.085	0.17	0.34	5	08/05/2024 09:00	08/06/2024 16:34	J
Dieldrin	0.0095U	mg/Kg	0.0047	0.0095	0.019	5	08/05/2024 09:00	08/06/2024 16:34	J
Endosulfan I	0.0095U	mg/Kg	0.0047	0.0095	0.019	5	08/05/2024 09:00	08/06/2024 16:34	J
Endosulfan II	0.0095U	mg/Kg	0.0047	0.0095	0.019	5	08/05/2024 09:00	08/06/2024 16:34	J
Endosulfan Sulfate	0.0095U	mg/Kg	0.0047	0.0095	0.019	5	08/05/2024 09:00	08/06/2024 16:34	J
Endrin	0.019U	mg/Kg	0.0095	0.019	0.038	5	08/05/2024 09:00	08/06/2024 16:34	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211003 **Date Collected:** 07/25/2024 13:55 **Matrix:** Soil
Sample ID: SB-1-7-8 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.0095U	mg/Kg	0.0047	0.0095	0.019	5	08/05/2024 09:00	08/06/2024 16:34	J
Endrin ketone	0.0095U	mg/Kg	0.0047	0.0095	0.019	5	08/05/2024 09:00	08/06/2024 16:34	J
Heptachlor	0.0095U	mg/Kg	0.0047	0.0095	0.019	5	08/05/2024 09:00	08/06/2024 16:34	J
Heptachlor Epoxide	0.0095U	mg/Kg	0.0047	0.0095	0.019	5	08/05/2024 09:00	08/06/2024 16:34	J
Methoxychlor	0.0095U	mg/Kg	0.0047	0.0095	0.019	5	08/05/2024 09:00	08/06/2024 16:34	J
Toxaphene	1.4U	mg/Kg	0.71	1.4	2.8	25	08/05/2024 09:00	08/07/2024 19:16	J
alpha-BHC	0.0095U	mg/Kg	0.0047	0.0095	0.019	5	08/05/2024 09:00	08/06/2024 16:34	J
alpha-Chlordane	0.019U	mg/Kg	0.014	0.019	0.038	5	08/05/2024 09:00	08/06/2024 16:34	J
beta-BHC	0.0095U	mg/Kg	0.0047	0.0095	0.019	5	08/05/2024 09:00	08/06/2024 16:34	J
delta-BHC	0.0095U	mg/Kg	0.0047	0.0095	0.019	5	08/05/2024 09:00	08/06/2024 16:34	J
gamma-BHC (Lindane)	0.0095U	mg/Kg	0.0047	0.0095	0.019	5	08/05/2024 09:00	08/06/2024 16:34	J
gamma-Chlordane	0.019U	mg/Kg	0.0095	0.019	0.038	5	08/05/2024 09:00	08/06/2024 16:34	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.28U	mg/Kg	0.14	0.28	0.57	5	08/05/2024 09:00	08/06/2024 23:26	J
Aroclor 1221 (PCB-1221)	0.28U	mg/Kg	0.14	0.28	0.57	5	08/05/2024 09:00	08/06/2024 23:26	J
Aroclor 1232 (PCB-1232)	0.28U	mg/Kg	0.14	0.28	0.57	5	08/05/2024 09:00	08/06/2024 23:26	J
Aroclor 1242 (PCB-1242)	0.28U	mg/Kg	0.14	0.28	0.57	5	08/05/2024 09:00	08/06/2024 23:26	J
Aroclor 1248 (PCB-1248)	0.28U	mg/Kg	0.14	0.28	0.57	5	08/05/2024 09:00	08/06/2024 23:26	J
Aroclor 1254 (PCB-1254)	0.28U	mg/Kg	0.14	0.28	0.57	5	08/05/2024 09:00	08/06/2024 23:26	J
Aroclor 1260 (PCB-1260)	0.28U	mg/Kg	0.14	0.28	0.57	5	08/05/2024 09:00	08/06/2024 23:26	J
Aroclor 1262 (PCB-1262)	0.28U	mg/Kg	0.14	0.28	0.57	5	08/05/2024 09:00	08/06/2024 23:26	J
Aroclor 1268 (PCB-1268)	0.28U	mg/Kg	0.14	0.28	0.57	5	08/05/2024 09:00	08/06/2024 23:26	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J
Azinphos-methyl	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J
Chlorpyrifos	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J
Chlorpyrifos-methyl	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211003 **Date Collected:** 07/25/2024 13:55 **Matrix:** Soil
Sample ID: SB-1-7-8 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J
Demeton-O	19U	ug/Kg	9.5	19	38	1	08/05/2024 09:00	08/09/2024 04:57	J
Demeton-S	19U	ug/Kg	9.5	19	38	1	08/05/2024 09:00	08/09/2024 04:57	J
Diazinon	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J
Dimethoate	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J
Disulfoton	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J
Ethion	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J
Ethoprop	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J
Famphur	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J
Fensulfothion	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J
Fonophos	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J
Malathion	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J
Merphos	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J
Methyl Parathion	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J
Mevinphos	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J
Parathion (Ethyl)	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J
Phorate	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J
Phosmet	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J
Ronnel	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J
Simazine	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J
Sulfotep	38U	ug/Kg	19	38	76	1	08/05/2024 09:00	08/09/2024 04:57	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
2,4,6-Trichlorophenol	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
2,4-Dichlorophenol	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
2,4-Dimethylphenol	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
2,4-Dinitrophenol	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211003 **Date Collected:** 07/25/2024 13:55 **Matrix:** Soil
Sample ID: SB-1-7-8 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
2,6-Dinitrotoluene (2,6-DNT)	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
2-Chloronaphthalene	0.39U	mg/Kg	0.19	0.39	0.77	1	08/04/2024 08:00	08/07/2024 04:27	J
2-Chlorophenol	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
2-Methyl-4,6-dinitrophenol	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
2-Methylnaphthalene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 04:27	J
2-Methylphenol (o-Cresol)	0.39U	mg/Kg	0.19	0.39	0.77	1	08/04/2024 08:00	08/07/2024 04:27	J
2-Nitroaniline	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
2-Nitrophenol	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
3+4-Methylphenol(mp-Cresol)	0.39U	mg/Kg	0.19	0.39	0.77	1	08/04/2024 08:00	08/07/2024 04:27	J
3,3`-Dichlorobenzidine	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
3-Nitroaniline	0.39U	mg/Kg	0.19	0.39	0.77	1	08/04/2024 08:00	08/07/2024 04:27	J
4-Bromophenyl Phenyl Ether	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
4-Chloro-3-methylphenol	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
4-Chloroaniline	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
4-Chlorophenyl Phenyl Ether	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
4-Nitroaniline	0.39U	mg/Kg	0.19	0.39	0.77	1	08/04/2024 08:00	08/07/2024 04:27	J
4-Nitrophenol	0.39U	mg/Kg	0.19	0.39	0.77	1	08/04/2024 08:00	08/07/2024 04:27	J
Acenaphthene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 04:27	J
Acenaphthylene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 04:27	J
Acetophenone	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
Anthracene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 04:27	J
Atrazine	0.39U	mg/Kg	0.19	0.39	0.77	1	08/04/2024 08:00	08/07/2024 04:27	J
Benzaldehyde	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
Benzo[a]anthracene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 04:27	J
Benzo[a]pyrene	0.019U	mg/Kg	0.0093	0.019	0.037	1	08/04/2024 08:00	08/07/2024 04:27	J
Benzo[b]fluoranthene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 04:27	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211003 **Date Collected:** 07/25/2024 13:55 **Matrix:** Soil
Sample ID: SB-1-7-8 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 04:27	J
Benzo[k]fluoranthene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 04:27	J
Biphenyl	0.39U	mg/Kg	0.19	0.39	0.77	1	08/04/2024 08:00	08/07/2024 04:27	J
Butyl benzyl phthalate	0.39U	mg/Kg	0.19	0.39	0.77	1	08/04/2024 08:00	08/07/2024 04:27	J
Caprolactam	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
Carbazole	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 04:27	J
Chrysene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 04:27	J
Di-n-Butyl Phthalate	0.38J	mg/Kg	0.19	0.39	0.77	1	08/04/2024 08:00	08/07/2024 04:27	J
Di-n-octyl Phthalate	0.39U	mg/Kg	0.19	0.39	0.77	1	08/04/2024 08:00	08/07/2024 04:27	J
Dibenzo[a,h]anthracene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 04:27	J
Dibenzofuran	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 04:27	J
Diethyl phthalate	0.39U	mg/Kg	0.19	0.39	0.77	1	08/04/2024 08:00	08/07/2024 04:27	J
Dimethyl phthalate	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
Fluoranthene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 04:27	J
Fluorene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 04:27	J
Hexachlorobenzene	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
Hexachlorobutadiene	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
Hexachlorocyclopentadiene	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
Hexachloroethane	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
Indeno(1,2,3-cd)pyrene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 04:27	J
Isophorone	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
N-Nitrosodi-n-propylamine	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
N-Nitrosodiphenylamine	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
Naphthalene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 04:27	J
Nitrobenzene	0.39U	mg/Kg	0.19	0.39	0.77	1	08/04/2024 08:00	08/07/2024 04:27	J
Pentachlorophenol	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
Phenanthrene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 04:27	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211003 **Date Collected:** 07/25/2024 13:55 **Matrix:** Soil
Sample ID: SB-1-7-8 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	0.39U	mg/Kg	0.19	0.39	0.77	1	08/04/2024 08:00	08/07/2024 04:27	J
Pyrene	0.012U	mg/Kg	0.0058	0.012	0.023	1	08/04/2024 08:00	08/07/2024 04:27	J
bis(2-Chloroethyl)Ether	0.19U	mg/Kg	0.097	0.19	0.39	1	08/04/2024 08:00	08/07/2024 04:27	J
bis(2-Ethylhexyl) phthalate	0.39U	mg/Kg	0.19	0.39	0.77	1	08/04/2024 08:00	08/07/2024 04:27	J
(SM 2540G)									
Percent Moisture	**15**	%		0.0010	0.0010	1	08/07/2024 15:45	08/07/2024 15:45	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
1,1,2,2-Tetrachloroethane	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
1,1,2-Trichloroethane	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
1,1,2-Trichlorotrifluoroethane	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
1,1-Dichloroethane	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
1,1-Dichloroethylene	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
1,2,4-Trichlorobenzene	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
1,2-Dibromo-3-Chloropropane	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
1,2-Dichlorobenzene	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
1,2-Dichloroethane	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
1,2-Dichloropropane	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
1,3-Dichlorobenzene	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
1,4-Dichlorobenzene	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
1,4-Dioxane	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
2-Butanone (MEK)	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211003 **Date Collected:** 07/25/2024 13:55 **Matrix:** Soil
Sample ID: SB-1-7-8 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2-Hexanone	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
4-Methyl-2-pentanone (MIBK)	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Acetone	**0.050**	mg/Kg	0.0016	0.0032	0.0065	1	08/07/2024 11:51	08/07/2024 19:33	J
Benzene	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Bromodichloromethane	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Bromoform	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Bromomethane	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Carbon Disulfide	**0.0033**	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Carbon Tetrachloride	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Chlorobenzene	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Chloroethane	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Chloroform	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Chloromethane	0.0032U	mg/Kg	0.0016	0.0032	0.0065	1	08/07/2024 11:51	08/07/2024 19:33	J
Cyclohexane	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Dibromochloromethane	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Dichlorodifluoromethane	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Ethylbenzene	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Ethylene Dibromide (EDB)	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Isopropylbenzene	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Methyl Acetate	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Methyl Cyclohexane	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Methyl tert-butyl Ether (MTBE)	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211003 **Date Collected:** 07/25/2024 13:55 **Matrix:** Soil
Sample ID: SB-1-7-8 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Methylene Chloride	0.0032U	mg/Kg	0.0016	0.0032	0.0065	1	08/07/2024 11:51	08/07/2024 19:33	J
Styrene	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Tetrachloroethylene (PCE)	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Toluene	0.0030J	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Trichloroethene	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Trichlorofluoromethane	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Vinyl Chloride	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
Xylene (Total)	0.0048U	mg/Kg	0.0024	0.0048	0.0097	1	08/07/2024 11:51	08/07/2024 19:33	J
cis-1,2-Dichloroethylene	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
cis-1,3-Dichloropropene	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
trans-1,2-Dichloroethylene	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J
trans-1,3-Dichloropropylene	0.0016U	mg/Kg	0.00081	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:33	J

Analysis Results Comments

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Atrazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Azinphos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Chlorpyrifos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Chlorpyrifos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Demeton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Demeton-O

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Demeton-S

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Diazinon

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Dimethoate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Disulfoton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Ethion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Ethoprop

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Famphur

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Fensulfothion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Fonophos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Malathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Merphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Methyl Parathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Analysis Results Comments

Mevinphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Parathion (Ethyl)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Phorate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Phosmet

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Ronnel

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Simazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Sulfotep

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tributylphosphate

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

bis(2-Chloroethyl)Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	45.80	52.40	114	71 - 136	J
Toluene-d8 (S)	ug/Kg	45.80	44.50	97	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	45.80	49.60	108	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0806	0.1040	129	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1610	0.2160	**134**	44 - 130	J
Fluoranthene-d10 (S)	ug/Kg	1640	1340	81	50 - 150	J
2,4,6-Tribromophenol (S)	ug/Kg	1640	1200	73	39 - 132	J
Phenol-d6 (S)	ug/Kg	1640	1220	74	33 - 122	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	ug/Kg	1640	1260	77	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1640	1190	72	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1640	1270	77	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1640	1290	78	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1640	1270	77	54 - 127	J
Decachlorobiphenyl (S)	mg/Kg	0.0806	0.13	**161**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1610	0.2120	**131**	42 - 129	J
Tributylphosphate (S)	ug/Kg	161	215	**133**	63 - 111	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211004 **Date Collected:** 07/25/2024 09:50 **Matrix:** Soil
Sample ID: SB-17-6-7 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.2U	mg/Kg	0.60	1.2	2.4	1	08/07/2024 11:06	08/07/2024 21:42	J
Barium	**170**	mg/Kg	3.0	6.0	12	5	08/07/2024 11:06	08/09/2024 03:04	J
Cadmium	0.14J	mg/Kg	0.060	0.12	0.24	1	08/07/2024 11:06	08/07/2024 21:42	J
Copper	**30**	mg/Kg	0.60	1.2	2.4	1	08/07/2024 11:06	08/07/2024 21:42	J
Nickel	**9.1**	mg/Kg	0.60	1.2	2.4	1	08/07/2024 11:06	08/07/2024 21:42	J
Silver	0.34J	mg/Kg	0.24	0.48	0.96	1	08/07/2024 11:06	08/07/2024 21:42	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.12U	mg/Kg	0.059	0.12	0.23	10	08/06/2024 07:15	08/07/2024 11:44	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.011**	mg/Kg	0.0015	0.0031	0.0062	1	08/12/2024 10:19	08/12/2024 15:25	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.010U	mg/Kg	0.0050	0.010	0.020	5	08/05/2024 09:00	08/06/2024 16:55	J
4,4`-DDE	0.010U	mg/Kg	0.0050	0.010	0.020	5	08/05/2024 09:00	08/06/2024 16:55	J
4,4`-DDT	0.10U	mg/Kg	0.050	0.10	0.20	25	08/05/2024 09:00	08/07/2024 19:37	J
Aldrin	0.010U	mg/Kg	0.0050	0.010	0.020	5	08/05/2024 09:00	08/06/2024 16:55	J
Chlordane (technical)	0.18U	mg/Kg	0.090	0.18	0.36	5	08/05/2024 09:00	08/06/2024 16:55	J
Dieldrin	0.010U	mg/Kg	0.0050	0.010	0.020	5	08/05/2024 09:00	08/06/2024 16:55	J
Endosulfan I	0.010U	mg/Kg	0.0050	0.010	0.020	5	08/05/2024 09:00	08/06/2024 16:55	J
Endosulfan II	0.010U	mg/Kg	0.0050	0.010	0.020	5	08/05/2024 09:00	08/06/2024 16:55	J
Endosulfan Sulfate	0.010U	mg/Kg	0.0050	0.010	0.020	5	08/05/2024 09:00	08/06/2024 16:55	J
Endrin	0.020U	mg/Kg	0.010	0.020	0.040	5	08/05/2024 09:00	08/06/2024 16:55	J

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211004 **Date Collected:** 07/25/2024 09:50 **Matrix:** Soil
Sample ID: SB-17-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.010U	mg/Kg	0.0050	0.010	0.020	5	08/05/2024 09:00	08/06/2024 16:55	J
Endrin ketone	0.010U	mg/Kg	0.0050	0.010	0.020	5	08/05/2024 09:00	08/06/2024 16:55	J
Heptachlor	0.010U	mg/Kg	0.0050	0.010	0.020	5	08/05/2024 09:00	08/06/2024 16:55	J
Heptachlor Epoxide	0.010U	mg/Kg	0.0050	0.010	0.020	5	08/05/2024 09:00	08/06/2024 16:55	J
Methoxychlor	0.010U	mg/Kg	0.0050	0.010	0.020	5	08/05/2024 09:00	08/06/2024 16:55	J
Toxaphene	1.5U	mg/Kg	0.75	1.5	3.0	25	08/05/2024 09:00	08/07/2024 19:37	J
alpha-BHC	0.010U	mg/Kg	0.0050	0.010	0.020	5	08/05/2024 09:00	08/06/2024 16:55	J
alpha-Chlordane	0.020U	mg/Kg	0.015	0.020	0.040	5	08/05/2024 09:00	08/06/2024 16:55	J
beta-BHC	0.010U	mg/Kg	0.0050	0.010	0.020	5	08/05/2024 09:00	08/06/2024 16:55	J
delta-BHC	0.010U	mg/Kg	0.0050	0.010	0.020	5	08/05/2024 09:00	08/06/2024 16:55	J
gamma-BHC (Lindane)	0.010U	mg/Kg	0.0050	0.010	0.020	5	08/05/2024 09:00	08/06/2024 16:55	J
gamma-Chlordane	0.020U	mg/Kg	0.010	0.020	0.040	5	08/05/2024 09:00	08/06/2024 16:55	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.30U	mg/Kg	0.15	0.30	0.60	5	08/05/2024 09:00	08/06/2024 23:46	J
Aroclor 1221 (PCB-1221)	0.30U	mg/Kg	0.15	0.30	0.60	5	08/05/2024 09:00	08/06/2024 23:46	J
Aroclor 1232 (PCB-1232)	0.30U	mg/Kg	0.15	0.30	0.60	5	08/05/2024 09:00	08/06/2024 23:46	J
Aroclor 1242 (PCB-1242)	0.30U	mg/Kg	0.15	0.30	0.60	5	08/05/2024 09:00	08/06/2024 23:46	J
Aroclor 1248 (PCB-1248)	0.30U	mg/Kg	0.15	0.30	0.60	5	08/05/2024 09:00	08/06/2024 23:46	J
Aroclor 1254 (PCB-1254)	0.30U	mg/Kg	0.15	0.30	0.60	5	08/05/2024 09:00	08/06/2024 23:46	J
Aroclor 1260 (PCB-1260)	0.30U	mg/Kg	0.15	0.30	0.60	5	08/05/2024 09:00	08/06/2024 23:46	J
Aroclor 1262 (PCB-1262)	0.30U	mg/Kg	0.15	0.30	0.60	5	08/05/2024 09:00	08/06/2024 23:46	J
Aroclor 1268 (PCB-1268)	0.30U	mg/Kg	0.15	0.30	0.60	5	08/05/2024 09:00	08/06/2024 23:46	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J
Azinphos-methyl	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J
Chlorpyrifos	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J
Chlorpyrifos-methyl	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211004 **Date Collected:** 07/25/2024 09:50 **Matrix:** Soil
Sample ID: SB-17-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J
Demeton-O	100U	ug/Kg	50	100	200	5	08/05/2024 09:00	08/09/2024 01:54	J
Demeton-S	100U	ug/Kg	50	100	200	5	08/05/2024 09:00	08/09/2024 01:54	J
Diazinon	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J
Dimethoate	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J
Disulfoton	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J
Ethion	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J
Ethoprop	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J
Famphur	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J
Fensulfothion	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J
Fonophos	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J
Malathion	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J
Merphos	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J
Methyl Parathion	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J
Mevinphos	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J
Parathion (Ethyl)	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J
Phorate	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J
Phosmet	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J
Ronnel	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J
Simazine	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J
Sulfotep	200U	ug/Kg	100	200	400	5	08/05/2024 09:00	08/09/2024 01:54	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
2,4,6-Trichlorophenol	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
2,4-Dichlorophenol	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
2,4-Dimethylphenol	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
2,4-Dinitrophenol	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211004 **Date Collected:** 07/25/2024 09:50 **Matrix:** Soil
Sample ID: SB-17-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
2,6-Dinitrotoluene (2,6-DNT)	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
2-Chloronaphthalene	1.7U	mg/Kg	0.84	1.7	3.3	4	08/04/2024 08:00	08/07/2024 05:41	J
2-Chlorophenol	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
2-Methyl-4,6-dinitrophenol	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
2-Methylnaphthalene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/04/2024 08:00	08/07/2024 05:41	J
2-Methylphenol (o-Cresol)	1.7U	mg/Kg	0.84	1.7	3.3	4	08/04/2024 08:00	08/07/2024 05:41	J
2-Nitroaniline	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
2-Nitrophenol	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
3+4-Methylphenol(mp-Cresol)	1.7U	mg/Kg	0.84	1.7	3.3	4	08/04/2024 08:00	08/07/2024 05:41	J
3,3`-Dichlorobenzidine	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
3-Nitroaniline	1.7U	mg/Kg	0.84	1.7	3.3	4	08/04/2024 08:00	08/07/2024 05:41	J
4-Bromophenyl Phenyl Ether	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
4-Chloro-3-methylphenol	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
4-Chloroaniline	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
4-Chlorophenyl Phenyl Ether	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
4-Nitroaniline	1.7U	mg/Kg	0.84	1.7	3.3	4	08/04/2024 08:00	08/07/2024 05:41	J
4-Nitrophenol	1.7U	mg/Kg	0.84	1.7	3.3	4	08/04/2024 08:00	08/07/2024 05:41	J
Acenaphthene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/04/2024 08:00	08/07/2024 05:41	J
Acenaphthylene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/04/2024 08:00	08/07/2024 05:41	J
Acetophenone	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
Anthracene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/04/2024 08:00	08/07/2024 05:41	J
Atrazine	1.7U	mg/Kg	0.84	1.7	3.3	4	08/04/2024 08:00	08/07/2024 05:41	J
Benzaldehyde	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
Benzo[a]anthracene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/04/2024 08:00	08/07/2024 05:41	J
Benzo[a]pyrene	0.080U	mg/Kg	0.040	0.080	0.16	4	08/04/2024 08:00	08/07/2024 05:41	J
Benzo[b]fluoranthene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/04/2024 08:00	08/07/2024 05:41	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211004 **Date Collected:** 07/25/2024 09:50 **Matrix:** Soil
Sample ID: SB-17-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/04/2024 08:00	08/07/2024 05:41	J
Benzo[k]fluoranthene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/04/2024 08:00	08/07/2024 05:41	J
Biphenyl	1.7U	mg/Kg	0.84	1.7	3.3	4	08/04/2024 08:00	08/07/2024 05:41	J
Butyl benzyl phthalate	1.7U	mg/Kg	0.84	1.7	3.3	4	08/04/2024 08:00	08/07/2024 05:41	J
Caprolactam	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
Carbazole	0.050U	mg/Kg	0.025	0.050	0.10	4	08/04/2024 08:00	08/07/2024 05:41	J
Chrysene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/04/2024 08:00	08/07/2024 05:41	J
Di-n-Butyl Phthalate	1.7U	mg/Kg	0.84	1.7	3.3	4	08/04/2024 08:00	08/07/2024 05:41	J
Di-n-octyl Phthalate	1.7U	mg/Kg	0.84	1.7	3.3	4	08/04/2024 08:00	08/07/2024 05:41	J
Dibenzo[a,h]anthracene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/04/2024 08:00	08/07/2024 05:41	J
Dibenzofuran	0.050U	mg/Kg	0.025	0.050	0.10	4	08/04/2024 08:00	08/07/2024 05:41	J
Diethyl phthalate	1.7U	mg/Kg	0.84	1.7	3.3	4	08/04/2024 08:00	08/07/2024 05:41	J
Dimethyl phthalate	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
Fluoranthene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/04/2024 08:00	08/07/2024 05:41	J
Fluorene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/04/2024 08:00	08/07/2024 05:41	J
Hexachlorobenzene	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
Hexachlorobutadiene	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
Hexachlorocyclopentadiene	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
Hexachloroethane	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
Indeno(1,2,3-cd)pyrene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/04/2024 08:00	08/07/2024 05:41	J
Isophorone	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
N-Nitrosodi-n-propylamine	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
N-Nitrosodiphenylamine	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
Naphthalene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/04/2024 08:00	08/07/2024 05:41	J
Nitrobenzene	1.7U	mg/Kg	0.84	1.7	3.3	4	08/04/2024 08:00	08/07/2024 05:41	J
Pentachlorophenol	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
Phenanthrene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/04/2024 08:00	08/07/2024 05:41	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211004 **Date Collected:** 07/25/2024 09:50 **Matrix:** Soil
Sample ID: SB-17-6-7 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	1.7U	mg/Kg	0.84	1.7	3.3	4	08/04/2024 08:00	08/07/2024 05:41	J
Pyrene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/04/2024 08:00	08/07/2024 05:41	J
bis(2-Chloroethyl)Ether	0.84U	mg/Kg	0.42	0.84	1.7	4	08/04/2024 08:00	08/07/2024 05:41	J
bis(2-Ethylhexyl) phthalate	1.7U	mg/Kg	0.84	1.7	3.3	4	08/04/2024 08:00	08/07/2024 05:41	J
(SM 2540G)									
Percent Moisture	**20**	%		0.0010	0.0010	1	08/07/2024 15:45	08/07/2024 15:45	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
1,1,2,2-Tetrachloroethane	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
1,1,2-Trichloroethane	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
1,1,2-Trichlorotrifluoroethane	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
1,1-Dichloroethane	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
1,1-Dichloroethylene	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
1,2,4-Trichlorobenzene	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
1,2-Dibromo-3-Chloropropane	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
1,2-Dichlorobenzene	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
1,2-Dichloroethane	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
1,2-Dichloropropane	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
1,3-Dichlorobenzene	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
1,4-Dichlorobenzene	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
1,4-Dioxane	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
2-Butanone (MEK)	0.0013J	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211004 **Date Collected:** 07/25/2024 09:50 **Matrix:** Soil
Sample ID: SB-17-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2-Hexanone	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
4-Methyl-2-pentanone (MIBK)	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Acetone	**0.067**	mg/Kg	0.0016	0.0032	0.0063	1	08/07/2024 11:51	08/07/2024 19:58	J
Benzene	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Bromodichloromethane	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Bromoform	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Bromomethane	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Carbon Disulfide	0.0013J	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Carbon Tetrachloride	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Chlorobenzene	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Chloroethane	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Chloroform	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Chloromethane	0.0032U	mg/Kg	0.0016	0.0032	0.0063	1	08/07/2024 11:51	08/07/2024 19:58	J
Cyclohexane	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Dibromochloromethane	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Dichlorodifluoromethane	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Ethylbenzene	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Ethylene Dibromide (EDB)	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Isopropylbenzene	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Methyl Acetate	0.0016J	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Methyl Cyclohexane	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Methyl tert-butyl Ether (MTBE)	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211004 **Date Collected:** 07/25/2024 09:50 **Matrix:** Soil
Sample ID: SB-17-6-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Methylene Chloride	0.0032U	mg/Kg	0.0016	0.0032	0.0063	1	08/07/2024 11:51	08/07/2024 19:58	J
Styrene	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Tetrachloroethylene (PCE)	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Toluene	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Trichloroethene	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Trichlorofluoromethane	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Vinyl Chloride	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
Xylene (Total)	0.0048U	mg/Kg	0.0024	0.0048	0.0095	1	08/07/2024 11:51	08/07/2024 19:58	J
cis-1,2-Dichloroethylene	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
cis-1,3-Dichloropropene	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
trans-1,2-Dichloroethylene	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J
trans-1,3-Dichloropropylene	0.0016U	mg/Kg	0.00079	0.0016	0.0032	1	08/07/2024 11:51	08/07/2024 19:58	J

Analysis Results Comments

1,1,1-Trichloroethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,1,2-Trichlorotrifluoroethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,1-Dichloroethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,1-Dichloroethylene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,2,4-Trichlorobenzene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Analysis Results Comments

1,2-Dichlorobenzene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,2-Dichloropropane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,3-Dichlorobenzene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

1,4-Dioxane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

2-Hexanone

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

4-Methyl-2-pentanone (MIBK)

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Acetone

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Atrazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Azinphos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Benzene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Bromomethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Carbon Disulfide

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Carbon Tetrachloride

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Chloroethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Analytical Results

Analysis Results Comments

Chloroform

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Chloromethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Chlorpyrifos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Chlorpyrifos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Cyclohexane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Demeton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Demeton-O

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Demeton-S

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Diazinon

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Dichlorodifluoromethane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Dimethoate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Disulfoton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Ethion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Ethoprop

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Analysis Results Comments

Famphur

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Fensulfothion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Fonophos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Malathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Merphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Methyl Parathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Mevinphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Naphthalene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Parathion (Ethyl)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Phorate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Phosmet

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Ronnel

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Simazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Sulfotep

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Analysis Results Comments

Tributylphosphate

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Trichloroethene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Vinyl Chloride

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

cis-1,2-Dichloroethylene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

trans-1,2-Dichloroethylene

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/Kg	42.10	44.20	105	79 - 119	J
1,2-Dichloroethane-d4 (S)	ug/Kg	42.10	46.90	111	71 - 136	J
Toluene-d8 (S)	ug/Kg	42.10	40.40	96	85 - 116	J
Decachlorobiphenyl (S)	mg/Kg	0.0794	0.1290	**163**	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1590	0.2910	**184**	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1670	1420	85	39 - 132	J
Phenol-d6 (S)	ug/Kg	1670	1380	83	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1670	1580	95	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1670	1380	83	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1670	1530	92	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1670	1570	94	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1670	1370	82	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1670	1690	102	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0794	0.1270	**160**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1590	0.2870	**181**	42 - 129	J
Tributylphosphate (S)	ug/Kg	159	374	**236**	63 - 111	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211005 **Date Collected:** 07/25/2024 09:30 **Matrix:** Soil
Sample ID: SB-17-0-4 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.1U	mg/Kg	0.57	1.1	2.3	1	08/07/2024 11:06	08/07/2024 21:46	J
Barium	**77**	mg/Kg	2.9	5.7	11	5	08/07/2024 11:06	08/09/2024 03:07	J
Cadmium	**1.1**	mg/Kg	0.057	0.11	0.23	1	08/07/2024 11:06	08/07/2024 21:46	J
Copper	**130**	mg/Kg	0.57	1.1	2.3	1	08/07/2024 11:06	08/07/2024 21:46	J
Nickel	**14**	mg/Kg	0.57	1.1	2.3	1	08/07/2024 11:06	08/07/2024 21:46	J
Silver	**0.99**	mg/Kg	0.23	0.46	0.91	1	08/07/2024 11:06	08/07/2024 21:46	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.10U	mg/Kg	0.051	0.10	0.21	10	08/06/2024 07:15	08/07/2024 11:48	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.48**	mg/Kg	0.0014	0.0028	0.0055	1	08/12/2024 10:19	08/12/2024 15:28	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:15	J
4,4`-DDE	**0.024**	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:15	J
4,4`-DDT	0.088U	mg/Kg	0.044	0.088	0.18	25	08/05/2024 09:00	08/07/2024 19:57	J
Aldrin	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:15	J
Chlordane (technical)	0.16U	mg/Kg	0.079	0.16	0.32	5	08/05/2024 09:00	08/06/2024 17:15	J
Dieldrin	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:15	J
Endosulfan I	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:15	J
Endosulfan II	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:15	J
Endosulfan Sulfate	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:15	J
Endrin	0.018U	mg/Kg	0.0088	0.018	0.035	5	08/05/2024 09:00	08/06/2024 17:15	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211005 **Date Collected:** 07/25/2024 09:30 **Matrix:** Soil
Sample ID: SB-17-0-4 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:15	J
Endrin ketone	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:15	J
Heptachlor	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:15	J
Heptachlor Epoxide	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:15	J
Methoxychlor	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:15	J
Toxaphene	1.3U	mg/Kg	0.66	1.3	2.6	25	08/05/2024 09:00	08/07/2024 19:57	J
alpha-BHC	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:15	J
alpha-Chlordane	0.018U	mg/Kg	0.013	0.018	0.035	5	08/05/2024 09:00	08/06/2024 17:15	J
beta-BHC	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:15	J
delta-BHC	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:15	J
gamma-BHC (Lindane)	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:15	J
gamma-Chlordane	0.018U	mg/Kg	0.0088	0.018	0.035	5	08/05/2024 09:00	08/06/2024 17:15	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:07	J
Aroclor 1221 (PCB-1221)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:07	J
Aroclor 1232 (PCB-1232)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:07	J
Aroclor 1242 (PCB-1242)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:07	J
Aroclor 1248 (PCB-1248)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:07	J
Aroclor 1254 (PCB-1254)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:07	J
Aroclor 1260 (PCB-1260)	0.42J	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:07	J
Aroclor 1262 (PCB-1262)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:07	J
Aroclor 1268 (PCB-1268)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:07	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J
Azinphos-methyl	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J
Chlorpyrifos	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J
Chlorpyrifos-methyl	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211005 **Date Collected:** 07/25/2024 09:30 **Matrix:** Soil
Sample ID: SB-17-0-4 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J
Demeton-O	88U	ug/Kg	44	88	180	5	08/05/2024 09:00	08/09/2024 01:23	J
Demeton-S	88U	ug/Kg	44	88	180	5	08/05/2024 09:00	08/09/2024 01:23	J
Diazinon	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J
Dimethoate	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J
Disulfoton	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J
Ethion	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J
Ethoprop	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J
Famphur	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J
Fensulfothion	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J
Fonophos	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J
Malathion	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J
Merphos	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J
Methyl Parathion	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J
Mevinphos	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J
Parathion (Ethyl)	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J
Phorate	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J
Phosmet	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J
Ronnel	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J
Simazine	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J
Sulfotep	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 01:23	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
2,4,6-Trichlorophenol	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
2,4-Dichlorophenol	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
2,4-Dimethylphenol	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
2,4-Dinitrophenol	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211005 **Date Collected:** 07/25/2024 09:30 **Matrix:** Soil
Sample ID: SB-17-0-4 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
2,6-Dinitrotoluene (2,6-DNT)	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
2-Chloronaphthalene	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 06:54	J
2-Chlorophenol	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
2-Methyl-4,6-dinitrophenol	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
2-Methylnaphthalene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 06:54	J
2-Methylphenol (o-Cresol)	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 06:54	J
2-Nitroaniline	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
2-Nitrophenol	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
3+4-Methylphenol(mp-Cresol)	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 06:54	J
3,3`-Dichlorobenzidine	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
3-Nitroaniline	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 06:54	J
4-Bromophenyl Phenyl Ether	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
4-Chloro-3-methylphenol	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
4-Chloroaniline	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
4-Chlorophenyl Phenyl Ether	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
4-Nitroaniline	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 06:54	J
4-Nitrophenol	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 06:54	J
Acenaphthene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 06:54	J
Acenaphthylene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 06:54	J
Acetophenone	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
Anthracene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 06:54	J
Atrazine	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 06:54	J
Benzaldehyde	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
Benzo[a]anthracene	**0.58**	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 06:54	J
Benzo[a]pyrene	0.44J	mg/Kg	0.18	0.35	0.71	20	08/04/2024 08:00	08/07/2024 06:54	J
Benzo[b]fluoranthene	**0.64**	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 06:54	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211005 **Date Collected:** 07/25/2024 09:30 **Matrix:** Soil
Sample ID: SB-17-0-4 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.34J	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 06:54	J
Benzo[k]fluoranthene	0.24J	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 06:54	J
Biphenyl	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 06:54	J
Butyl benzyl phthalate	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 06:54	J
Caprolactam	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
Carbazole	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 06:54	J
Chrysene	**0.56**	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 06:54	J
Di-n-Butyl Phthalate	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 06:54	J
Di-n-octyl Phthalate	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 06:54	J
Dibenzo[a,h]anthracene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 06:54	J
Dibenzofuran	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 06:54	J
Diethyl phthalate	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 06:54	J
Dimethyl phthalate	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
Fluoranthene	**0.86**	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 06:54	J
Fluorene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 06:54	J
Hexachlorobenzene	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
Hexachlorobutadiene	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
Hexachlorocyclopentadiene	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
Hexachloroethane	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
Indeno(1,2,3-cd)pyrene	0.32J	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 06:54	J
Isophorone	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
N-Nitrosodi-n-propylamine	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
N-Nitrosodiphenylamine	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
Naphthalene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 06:54	J
Nitrobenzene	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 06:54	J
Pentachlorophenol	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
Phenanthrene	0.19J	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 06:54	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211005 **Date Collected:** 07/25/2024 09:30 **Matrix:** Soil
Sample ID: SB-17-0-4 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 06:54	J
Pyrene	**0.65**	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 06:54	J
bis(2-Chloroethyl)Ether	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 06:54	J
bis(2-Ethylhexyl) phthalate	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 06:54	J
(SM 2540G)									
Percent Moisture	**9.7**	%		0.0010	0.0010	1	08/07/2024 15:45	08/07/2024 15:45	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
1,1,2,2-Tetrachloroethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
1,1,2-Trichloroethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
1,1,2-Trichlorotrifluoroethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
1,1-Dichloroethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
1,1-Dichloroethylene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
1,2,4-Trichlorobenzene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
1,2-Dibromo-3-Chloropropane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
1,2-Dichlorobenzene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
1,2-Dichloroethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
1,2-Dichloropropane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
1,3-Dichlorobenzene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
1,4-Dichlorobenzene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
1,4-Dioxane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
2-Butanone (MEK)	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211005 **Date Collected:** 07/25/2024 09:30 **Matrix:** Soil
Sample ID: SB-17-0-4 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2-Hexanone	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
4-Methyl-2-pentanone (MIBK)	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Acetone	0.0036U	mg/Kg	0.0018	0.0036	0.0072	1	08/07/2024 11:51	08/07/2024 20:24	J
Benzene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Bromodichloromethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Bromoform	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Bromomethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Carbon Disulfide	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Carbon Tetrachloride	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Chlorobenzene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Chloroethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Chloroform	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Chloromethane	0.0036U	mg/Kg	0.0018	0.0036	0.0072	1	08/07/2024 11:51	08/07/2024 20:24	J
Cyclohexane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Dibromochloromethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Dichlorodifluoromethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Ethylbenzene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Ethylene Dibromide (EDB)	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Isopropylbenzene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Methyl Acetate	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Methyl Cyclohexane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Methyl tert-butyl Ether (MTBE)	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211005 **Date Collected:** 07/25/2024 09:30 **Matrix:** Soil
Sample ID: SB-17-0-4 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Methylene Chloride	0.0036U	mg/Kg	0.0018	0.0036	0.0072	1	08/07/2024 11:51	08/07/2024 20:24	J
Styrene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Tetrachloroethylene (PCE)	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Toluene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Trichloroethene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Trichlorofluoromethane	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Vinyl Chloride	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
Xylene (Total)	0.0054U	mg/Kg	0.0027	0.0054	0.011	1	08/07/2024 11:51	08/07/2024 20:24	J
cis-1,2-Dichloroethylene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
cis-1,3-Dichloropropene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
trans-1,2-Dichloroethylene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J
trans-1,3-Dichloropropylene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/07/2024 11:51	08/07/2024 20:24	J

Analysis Results Comments

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Atrazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Azinphos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Chlorpyrifos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Chlorpyrifos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Demeton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Demeton-O

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Demeton-S

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Diazinon

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Dimethoate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Disulfoton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Ethion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Ethoprop

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Famphur

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Fensulfothion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Fonophos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Malathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Merphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Methyl Parathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Analytical Results

Analysis Results Comments

Mevinphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Parathion (Ethyl)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Phorate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Phosmet

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Ronnel

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Simazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Sulfotep

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tributylphosphate

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	54	62.50	116	71 - 136	J
Toluene-d8 (S)	ug/Kg	54	51.10	95	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	54	60.80	113	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0790	0.1240	**157**	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1580	0.2380	**151**	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1660	726	44	39 - 132	J
Phenol-d6 (S)	ug/Kg	1660	1050	63	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1660	1210	72	44 - 115	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorophenol (S)	ug/Kg	1660	952	57	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1660	1250	75	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1660	1260	76	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1660	1150	69	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1660	1360	82	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0790	0.1550	**196**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1580	0.2450	**155**	42 - 129	J
Tributylphosphate (S)	ug/Kg	158	817	**517**	63 - 111	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211006 **Date Collected:** 07/25/2024 11:15 **Matrix:** Soil
Sample ID: SB-20-0-4 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.1U	mg/Kg	0.54	1.1	2.2	1	08/07/2024 11:06	08/07/2024 21:50	J
Barium	**62**	mg/Kg	5.4	11	22	10	08/07/2024 11:06	08/09/2024 03:14	J
Cadmium	**0.93**	mg/Kg	0.054	0.11	0.22	1	08/07/2024 11:06	08/07/2024 21:50	J
Copper	**97**	mg/Kg	0.54	1.1	2.2	1	08/07/2024 11:06	08/07/2024 21:50	J
Nickel	**15**	mg/Kg	0.54	1.1	2.2	1	08/07/2024 11:06	08/07/2024 21:50	J
Silver	**0.90**	mg/Kg	0.22	0.43	0.86	1	08/07/2024 11:06	08/07/2024 21:50	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.12U	mg/Kg	0.060	0.12	0.24	10	08/06/2024 07:15	08/07/2024 11:58	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.21**	mg/Kg	0.0013	0.0026	0.0053	1	08/12/2024 10:19	08/12/2024 15:31	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:36	J
4,4`-DDE	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:36	J
4,4`-DDT	0.088U	mg/Kg	0.044	0.088	0.18	25	08/05/2024 09:00	08/07/2024 20:18	J
Aldrin	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:36	J
Chlordane (technical)	0.16U	mg/Kg	0.079	0.16	0.32	5	08/05/2024 09:00	08/06/2024 17:36	J
Dieldrin	0.0066J	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:36	J
Endosulfan I	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:36	J
Endosulfan II	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:36	J
Endosulfan Sulfate	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:36	J
Endrin	0.018U	mg/Kg	0.0088	0.018	0.035	5	08/05/2024 09:00	08/06/2024 17:36	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211006 **Date Collected:** 07/25/2024 11:15 **Matrix:** Soil
Sample ID: SB-20-0-4 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:36	J
Endrin ketone	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:36	J
Heptachlor	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:36	J
Heptachlor Epoxide	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:36	J
Methoxychlor	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:36	J
Toxaphene	1.3U	mg/Kg	0.66	1.3	2.6	25	08/05/2024 09:00	08/07/2024 20:18	J
alpha-BHC	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:36	J
alpha-Chlordane	0.018U	mg/Kg	0.013	0.018	0.035	5	08/05/2024 09:00	08/06/2024 17:36	J
beta-BHC	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:36	J
delta-BHC	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:36	J
gamma-BHC (Lindane)	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:36	J
gamma-Chlordane	0.018U	mg/Kg	0.0088	0.018	0.035	5	08/05/2024 09:00	08/06/2024 17:36	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:28	J
Aroclor 1221 (PCB-1221)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:28	J
Aroclor 1232 (PCB-1232)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:28	J
Aroclor 1242 (PCB-1242)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:28	J
Aroclor 1248 (PCB-1248)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:28	J
Aroclor 1254 (PCB-1254)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:28	J
Aroclor 1260 (PCB-1260)	0.17J	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:28	J
Aroclor 1262 (PCB-1262)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:28	J
Aroclor 1268 (PCB-1268)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:28	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J
Azinphos-methyl	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J
Chlorpyrifos	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J
Chlorpyrifos-methyl	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211006 **Date Collected:** 07/25/2024 11:15 **Matrix:** Soil
Sample ID: SB-20-0-4 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J
Demeton-O	88U	ug/Kg	44	88	180	5	08/05/2024 09:00	08/09/2024 02:24	J
Demeton-S	88U	ug/Kg	44	88	180	5	08/05/2024 09:00	08/09/2024 02:24	J
Diazinon	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J
Dimethoate	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J
Disulfoton	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J
Ethion	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J
Ethoprop	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J
Famphur	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J
Fensulfothion	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J
Fonophos	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J
Malathion	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J
Merphos	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J
Methyl Parathion	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J
Mevinphos	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J
Parathion (Ethyl)	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J
Phorate	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J
Phosmet	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J
Ronnel	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J
Simazine	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J
Sulfotep	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 02:24	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
2,4,6-Trichlorophenol	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
2,4-Dichlorophenol	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
2,4-Dimethylphenol	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
2,4-Dinitrophenol	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211006 **Date Collected:** 07/25/2024 11:15 **Matrix:** Soil
Sample ID: SB-20-0-4 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
2,6-Dinitrotoluene (2,6-DNT)	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
2-Chloronaphthalene	1.5U	mg/Kg	0.74	1.5	2.9	4	08/04/2024 08:00	08/07/2024 06:17	J
2-Chlorophenol	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
2-Methyl-4,6-dinitrophenol	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
2-Methylnaphthalene	0.044U	mg/Kg	0.022	0.044	0.088	4	08/04/2024 08:00	08/07/2024 06:17	J
2-Methylphenol (o-Cresol)	1.5U	mg/Kg	0.74	1.5	2.9	4	08/04/2024 08:00	08/07/2024 06:17	J
2-Nitroaniline	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
2-Nitrophenol	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
3+4-Methylphenol(mp-Cresol)	1.5U	mg/Kg	0.74	1.5	2.9	4	08/04/2024 08:00	08/07/2024 06:17	J
3,3`-Dichlorobenzidine	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
3-Nitroaniline	1.5U	mg/Kg	0.74	1.5	2.9	4	08/04/2024 08:00	08/07/2024 06:17	J
4-Bromophenyl Phenyl Ether	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
4-Chloro-3-methylphenol	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
4-Chloroaniline	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
4-Chlorophenyl Phenyl Ether	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
4-Nitroaniline	1.5U	mg/Kg	0.74	1.5	2.9	4	08/04/2024 08:00	08/07/2024 06:17	J
4-Nitrophenol	1.5U	mg/Kg	0.74	1.5	2.9	4	08/04/2024 08:00	08/07/2024 06:17	J
Acenaphthene	0.044U	mg/Kg	0.022	0.044	0.088	4	08/04/2024 08:00	08/07/2024 06:17	J
Acenaphthylene	0.044U	mg/Kg	0.022	0.044	0.088	4	08/04/2024 08:00	08/07/2024 06:17	J
Acetophenone	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
Anthracene	0.044U	mg/Kg	0.022	0.044	0.088	4	08/04/2024 08:00	08/07/2024 06:17	J
Atrazine	1.5U	mg/Kg	0.74	1.5	2.9	4	08/04/2024 08:00	08/07/2024 06:17	J
Benzaldehyde	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
Benzo[a]anthracene	0.037J	mg/Kg	0.022	0.044	0.088	4	08/04/2024 08:00	08/07/2024 06:17	J
Benzo[a]pyrene	0.036J	mg/Kg	0.035	0.071	0.14	4	08/04/2024 08:00	08/07/2024 06:17	J
Benzo[b]fluoranthene	0.044J	mg/Kg	0.022	0.044	0.088	4	08/04/2024 08:00	08/07/2024 06:17	J

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Phone: (904) 363-9350
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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211006 **Date Collected:** 07/25/2024 11:15 **Matrix:** Soil
Sample ID: SB-20-0-4 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.031J	mg/Kg	0.022	0.044	0.088	4	08/04/2024 08:00	08/07/2024 06:17	J
Benzo[k]fluoranthene	0.044U	mg/Kg	0.022	0.044	0.088	4	08/04/2024 08:00	08/07/2024 06:17	J
Biphenyl	1.5U	mg/Kg	0.74	1.5	2.9	4	08/04/2024 08:00	08/07/2024 06:17	J
Butyl benzyl phthalate	1.5U	mg/Kg	0.74	1.5	2.9	4	08/04/2024 08:00	08/07/2024 06:17	J
Caprolactam	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
Carbazole	0.044U	mg/Kg	0.022	0.044	0.088	4	08/04/2024 08:00	08/07/2024 06:17	J
Chrysene	0.029J	mg/Kg	0.022	0.044	0.088	4	08/04/2024 08:00	08/07/2024 06:17	J
Di-n-Butyl Phthalate	1.5U	mg/Kg	0.74	1.5	2.9	4	08/04/2024 08:00	08/07/2024 06:17	J
Di-n-octyl Phthalate	1.5U	mg/Kg	0.74	1.5	2.9	4	08/04/2024 08:00	08/07/2024 06:17	J
Dibenzo[a,h]anthracene	0.044U	mg/Kg	0.022	0.044	0.088	4	08/04/2024 08:00	08/07/2024 06:17	J
Dibenzofuran	0.044U	mg/Kg	0.022	0.044	0.088	4	08/04/2024 08:00	08/07/2024 06:17	J
Diethyl phthalate	1.5U	mg/Kg	0.74	1.5	2.9	4	08/04/2024 08:00	08/07/2024 06:17	J
Dimethyl phthalate	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
Fluoranthene	0.065J	mg/Kg	0.022	0.044	0.088	4	08/04/2024 08:00	08/07/2024 06:17	J
Fluorene	0.044U	mg/Kg	0.022	0.044	0.088	4	08/04/2024 08:00	08/07/2024 06:17	J
Hexachlorobenzene	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
Hexachlorobutadiene	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
Hexachlorocyclopentadiene	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
Hexachloroethane	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
Indeno(1,2,3-cd)pyrene	0.029J	mg/Kg	0.022	0.044	0.088	4	08/04/2024 08:00	08/07/2024 06:17	J
Isophorone	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
N-Nitrosodi-n-propylamine	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
N-Nitrosodiphenylamine	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
Naphthalene	0.044U	mg/Kg	0.022	0.044	0.088	4	08/04/2024 08:00	08/07/2024 06:17	J
Nitrobenzene	1.5U	mg/Kg	0.74	1.5	2.9	4	08/04/2024 08:00	08/07/2024 06:17	J
Pentachlorophenol	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
Phenanthrene	0.050J	mg/Kg	0.022	0.044	0.088	4	08/04/2024 08:00	08/07/2024 06:17	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211006 **Date Collected:** 07/25/2024 11:15 **Matrix:** Soil
Sample ID: SB-20-0-4 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	1.5U	mg/Kg	0.74	1.5	2.9	4	08/04/2024 08:00	08/07/2024 06:17	J
Pyrene	0.051J	mg/Kg	0.022	0.044	0.088	4	08/04/2024 08:00	08/07/2024 06:17	J
bis(2-Chloroethyl)Ether	0.74U	mg/Kg	0.37	0.74	1.5	4	08/04/2024 08:00	08/07/2024 06:17	J
bis(2-Ethylhexyl) phthalate	1.5U	mg/Kg	0.74	1.5	2.9	4	08/04/2024 08:00	08/07/2024 06:17	J
(SM 2540G)									
Percent Moisture	**9.4**	%		0.0010	0.0010	1	08/07/2024 15:45	08/07/2024 15:45	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
1,1,2,2-Tetrachloroethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
1,1,2-Trichloroethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
1,1,2-Trichlorotrifluoroethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
1,1-Dichloroethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
1,1-Dichloroethylene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
1,2,4-Trichlorobenzene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
1,2-Dibromo-3-Chloropropane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
1,2-Dichlorobenzene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
1,2-Dichloroethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
1,2-Dichloropropane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
1,3-Dichlorobenzene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
1,4-Dichlorobenzene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
1,4-Dioxane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
2-Butanone (MEK)	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211006 **Date Collected:** 07/25/2024 11:15 **Matrix:** Soil
Sample ID: SB-20-0-4 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2-Hexanone	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
4-Methyl-2-pentanone (MIBK)	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Acetone	0.0039U	mg/Kg	0.0019	0.0039	0.0078	1	08/07/2024 11:51	08/07/2024 20:50	J
Benzene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Bromodichloromethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Bromoform	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Bromomethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Carbon Disulfide	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Carbon Tetrachloride	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Chlorobenzene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Chloroethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Chloroform	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Chloromethane	0.0039U	mg/Kg	0.0019	0.0039	0.0078	1	08/07/2024 11:51	08/07/2024 20:50	J
Cyclohexane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Dibromochloromethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Dichlorodifluoromethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Ethylbenzene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Ethylene Dibromide (EDB)	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Isopropylbenzene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Methyl Acetate	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Methyl Cyclohexane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Methyl tert-butyl Ether (MTBE)	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211006 **Date Collected:** 07/25/2024 11:15 **Matrix:** Soil
Sample ID: SB-20-0-4 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Methylene Chloride	0.0039U	mg/Kg	0.0019	0.0039	0.0078	1	08/07/2024 11:51	08/07/2024 20:50	J
Styrene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Tetrachloroethylene (PCE)	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Toluene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Trichloroethene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Trichlorofluoromethane	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Vinyl Chloride	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
Xylene (Total)	0.0058U	mg/Kg	0.0029	0.0058	0.012	1	08/07/2024 11:51	08/07/2024 20:50	J
cis-1,2-Dichloroethylene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
cis-1,3-Dichloropropene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
trans-1,2-Dichloroethylene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J
trans-1,3-Dichloropropylene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/07/2024 11:51	08/07/2024 20:50	J

Analysis Results Comments

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Atrazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Azinphos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Chlorpyrifos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Chlorpyrifos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Analysis Results Comments

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Demeton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Demeton-O

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Demeton-S

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Diazinon

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Dimethoate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Disulfoton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Ethion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Ethoprop

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Famphur

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Fensulfothion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Fonophos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Malathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Merphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Methyl Parathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Analysis Results Comments

Mevinphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Parathion (Ethyl)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Phorate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Phosmet

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Ronnel

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Simazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Sulfotep

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tributylphosphate

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	58.80	68.40	116	71 - 136	J
Toluene-d8 (S)	ug/Kg	58.80	56.50	96	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	58.80	63.20	107	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0797	0.1060	133	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1590	0.2260	**141**	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1670	1010	61	39 - 132	J
Phenol-d6 (S)	ug/Kg	1670	1250	75	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1670	1430	86	44 - 115	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorophenol (S)	ug/Kg	1670	1200	72	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1670	1270	76	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1670	1390	83	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1670	1420	85	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1670	1580	95	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0797	0.1740	**219**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1590	0.2260	**141**	42 - 129	J
Tributylphosphate (S)	ug/Kg	159	237	**148**	63 - 111	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211007 **Date Collected:** 07/25/2024 13:45 **Matrix:** Soil
Sample ID: SB-1-0-2 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.1U	mg/Kg	0.54	1.1	2.1	1	08/07/2024 11:06	08/07/2024 21:54	J
Barium	**140**	mg/Kg	5.4	11	21	10	08/07/2024 11:06	08/09/2024 03:18	J
Cadmium	**0.90**	mg/Kg	0.054	0.11	0.21	1	08/07/2024 11:06	08/07/2024 21:54	J
Copper	**620**	mg/Kg	5.4	11	21	10	08/07/2024 11:06	08/09/2024 03:18	J
Nickel	**22**	mg/Kg	0.54	1.1	2.1	1	08/07/2024 11:06	08/07/2024 21:54	J
Silver	0.67J	mg/Kg	0.21	0.43	0.86	1	08/07/2024 11:06	08/07/2024 21:54	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.12U	mg/Kg	0.058	0.12	0.23	10	08/06/2024 07:15	08/07/2024 12:02	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.32**	mg/Kg	0.0014	0.0029	0.0057	1	08/12/2024 10:19	08/12/2024 15:34	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:56	J
4,4`-DDE	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:56	J
4,4`-DDT	0.088U	mg/Kg	0.044	0.088	0.18	25	08/05/2024 09:00	08/07/2024 20:38	J
Aldrin	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:56	J
Chlordane (technical)	0.16U	mg/Kg	0.079	0.16	0.32	5	08/05/2024 09:00	08/06/2024 17:56	J
Dieldrin	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:56	J
Endosulfan I	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:56	J
Endosulfan II	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:56	J
Endosulfan Sulfate	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:56	J
Endrin	0.018U	mg/Kg	0.0088	0.018	0.035	5	08/05/2024 09:00	08/06/2024 17:56	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211007 **Date Collected:** 07/25/2024 13:45 **Matrix:** Soil
Sample ID: SB-1-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Endrin Aldehyde	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:56	J
Endrin ketone	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:56	J
Heptachlor	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:56	J
Heptachlor Epoxide	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:56	J
Methoxychlor	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:56	J
Toxaphene	1.3U	mg/Kg	0.66	1.3	2.6	25	08/05/2024 09:00	08/07/2024 20:38	J
alpha-BHC	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:56	J
alpha-Chlordane	0.018U	mg/Kg	0.013	0.018	0.035	5	08/05/2024 09:00	08/06/2024 17:56	J
beta-BHC	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:56	J
delta-BHC	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:56	J
gamma-BHC (Lindane)	0.0088U	mg/Kg	0.0044	0.0088	0.018	5	08/05/2024 09:00	08/06/2024 17:56	J
gamma-Chlordane	0.018U	mg/Kg	0.0088	0.018	0.035	5	08/05/2024 09:00	08/06/2024 17:56	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:49	J
Aroclor 1221 (PCB-1221)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:49	J
Aroclor 1232 (PCB-1232)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:49	J
Aroclor 1242 (PCB-1242)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:49	J
Aroclor 1248 (PCB-1248)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:49	J
Aroclor 1254 (PCB-1254)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:49	J
Aroclor 1260 (PCB-1260)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:49	J
Aroclor 1262 (PCB-1262)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:49	J
Aroclor 1268 (PCB-1268)	0.26U	mg/Kg	0.13	0.26	0.53	5	08/05/2024 09:00	08/07/2024 00:49	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J
Azinphos-methyl	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J
Chlorpyrifos	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J
Chlorpyrifos-methyl	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211007 **Date Collected:** 07/25/2024 13:45 **Matrix:** Soil
Sample ID: SB-1-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J
Demeton-O	88U	ug/Kg	44	88	180	5	08/05/2024 09:00	08/09/2024 04:26	J
Demeton-S	88U	ug/Kg	44	88	180	5	08/05/2024 09:00	08/09/2024 04:26	J
Diazinon	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J
Dimethoate	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J
Disulfoton	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J
Ethion	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J
Ethoprop	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J
Famphur	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J
Fensulfothion	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J
Fonophos	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J
Malathion	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J
Merphos	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J
Methyl Parathion	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J
Mevinphos	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J
Parathion (Ethyl)	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J
Phorate	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J
Phosmet	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J
Ronnel	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J
Simazine	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J
Sulfotep	180U	ug/Kg	88	180	350	5	08/05/2024 09:00	08/09/2024 04:26	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
2,4,6-Trichlorophenol	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
2,4-Dichlorophenol	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
2,4-Dimethylphenol	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
2,4-Dinitrophenol	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211007 **Date Collected:** 07/25/2024 13:45 **Matrix:** Soil
Sample ID: SB-1-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
2,6-Dinitrotoluene (2,6-DNT)	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
2-Chloronaphthalene	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 07:31	J
2-Chlorophenol	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
2-Methyl-4,6-dinitrophenol	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
2-Methylnaphthalene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 07:31	J
2-Methylphenol (o-Cresol)	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 07:31	J
2-Nitroaniline	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
2-Nitrophenol	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
3+4-Methylphenol(mp-Cresol)	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 07:31	J
3,3`-Dichlorobenzidine	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
3-Nitroaniline	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 07:31	J
4-Bromophenyl Phenyl Ether	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
4-Chloro-3-methylphenol	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
4-Chloroaniline	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
4-Chlorophenyl Phenyl Ether	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
4-Nitroaniline	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 07:31	J
4-Nitrophenol	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 07:31	J
Acenaphthene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 07:31	J
Acenaphthylene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 07:31	J
Acetophenone	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
Anthracene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 07:31	J
Atrazine	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 07:31	J
Benzaldehyde	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
Benzo[a]anthracene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 07:31	J
Benzo[a]pyrene	0.35U	mg/Kg	0.18	0.35	0.71	20	08/04/2024 08:00	08/07/2024 07:31	J
Benzo[b]fluoranthene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 07:31	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211007 **Date Collected:** 07/25/2024 13:45 **Matrix:** Soil
Sample ID: SB-1-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 07:31	J
Benzo[k]fluoranthene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 07:31	J
Biphenyl	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 07:31	J
Butyl benzyl phthalate	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 07:31	J
Caprolactam	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
Carbazole	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 07:31	J
Chrysene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 07:31	J
Di-n-Butyl Phthalate	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 07:31	J
Di-n-octyl Phthalate	12J	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 07:31	J
Dibenzo[a,h]anthracene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 07:31	J
Dibenzofuran	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 07:31	J
Diethyl phthalate	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 07:31	J
Dimethyl phthalate	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
Fluoranthene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 07:31	J
Fluorene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 07:31	J
Hexachlorobenzene	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
Hexachlorobutadiene	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
Hexachlorocyclopentadiene	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
Hexachloroethane	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
Indeno(1,2,3-cd)pyrene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 07:31	J
Isophorone	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
N-Nitrosodi-n-propylamine	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
N-Nitrosodiphenylamine	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
Naphthalene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 07:31	J
Nitrobenzene	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 07:31	J
Pentachlorophenol	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
Phenanthrene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 07:31	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211007 **Date Collected:** 07/25/2024 13:45 **Matrix:** Soil
Sample ID: SB-1-0-2 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 07:31	J
Pyrene	0.22U	mg/Kg	0.11	0.22	0.44	20	08/04/2024 08:00	08/07/2024 07:31	J
bis(2-Chloroethyl)Ether	3.7U	mg/Kg	1.8	3.7	7.4	20	08/04/2024 08:00	08/07/2024 07:31	J
bis(2-Ethylhexyl) phthalate	7.4U	mg/Kg	3.7	7.4	15	20	08/04/2024 08:00	08/07/2024 07:31	J
(SM 2540G)									
Percent Moisture	**9.9**	%		0.0010	0.0010	1	08/07/2024 15:45	08/07/2024 15:45	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
1,1,2,2-Tetrachloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
1,1,2-Trichloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
1,1,2-Trichlorotrifluoroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
1,1-Dichloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
1,1-Dichloroethylene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
1,2,4-Trichlorobenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
1,2-Dibromo-3-Chloropropane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
1,2-Dichlorobenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
1,2-Dichloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
1,2-Dichloropropane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
1,3-Dichlorobenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
1,4-Dichlorobenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
1,4-Dioxane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
2-Butanone (MEK)	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
2-Hexanone	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
4-Methyl-2-pentanone (MIBK)	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Acetone	0.0045U	mg/Kg	0.0022	0.0045	0.0090	1	08/07/2024 11:51	08/07/2024 21:15	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211007 **Date Collected:** 07/25/2024 13:45 **Matrix:** Soil
Sample ID: SB-1-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Bromodichloromethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Bromoform	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Bromomethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Carbon Disulfide	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Carbon Tetrachloride	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Chlorobenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Chloroethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Chloroform	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Chloromethane	0.0045U	mg/Kg	0.0022	0.0045	0.0090	1	08/07/2024 11:51	08/07/2024 21:15	J
Cyclohexane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Dibromochloromethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Dichlorodifluoromethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Ethylbenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Ethylene Dibromide (EDB)	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Isopropylbenzene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Methyl Acetate	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Methyl Cyclohexane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Methyl tert-butyl Ether (MTBE)	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Methylene Chloride	0.0045U	mg/Kg	0.0022	0.0045	0.0090	1	08/07/2024 11:51	08/07/2024 21:15	J
Styrene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Tetrachloroethylene (PCE)	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Toluene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Trichloroethene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Trichlorofluoromethane	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Vinyl Chloride	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
Xylene (Total)	0.0067U	mg/Kg	0.0034	0.0067	0.013	1	08/07/2024 11:51	08/07/2024 21:15	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Lab ID: J2411211007 **Date Collected:** 07/25/2024 13:45 **Matrix:** Soil
Sample ID: SB-1-0-2 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
cis-1,3-Dichloropropene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
trans-1,2-Dichloroethylene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J
trans-1,3-Dichloropropylene	0.0022U	mg/Kg	0.0011	0.0022	0.0045	1	08/07/2024 11:51	08/07/2024 21:15	J

Analysis Results Comments

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Atrazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Azinphos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Chlorpyrifos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Chlorpyrifos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Demeton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Demeton-O

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Demeton-S

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Diazinon

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Analysis Results Comments

Dimethoate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Disulfoton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Ethion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Ethoprop

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Famphur

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Fensulfothion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Fonophos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Malathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Merphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Methyl Parathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Mevinphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Parathion (Ethyl)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Phorate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Phosmet

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

Analytical Results

Analysis Results Comments

Ronnel

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Simazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Sulfotep

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	67.60	78.10	116	71 - 136	J
Toluene-d8 (S)	ug/Kg	67.60	64.10	95	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	67.60	73.10	108	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0794	0.1120	141	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1590	0.2430	**153**	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1660	899	54	39 - 132	J
Phenol-d6 (S)	ug/Kg	1660	912	55	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1660	1090	66	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1660	779	47	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1660	972	58	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1660	1080	65	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1660	1030	62	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1660	1240	75	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0794	0.1130	**143**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1590	0.2480	**156**	42 - 129	J
Tributylphosphate (S)	ug/Kg	159	121	76	63 - 111	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Results

QC Batch: CVAj/2537 **Analysis Method:** DoD SW-846 7471A
Preparation Method: SW-846 7471A
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Method Blank(5429582)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Mercury	0.0025U	mg/Kg	0.0012	0.0025	0.0050	J

Lab Control Sample (5429583)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Mercury	mg/Kg	0.10	0.083	83	80 - 124	J

Matrix Spike (5429584); Matrix Spike Duplicate (5429585); Original (J2411208010); Parent Lab Sample (J2411208010)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Mercury	mg/Kg	0.0970	0.16	113	80 - 124	0.16	110	2.50	20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Results

QC Batch: GCSj/6743 **Analysis Method:** DoD SW-846 8141B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Method Blank(5420581)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Mevinphos	32U	ug/Kg	16	32	65	J
Demeton	32U	ug/Kg	16	32	65	J
Ethoprop	32U	ug/Kg	16	32	65	J
Phorate	32U	ug/Kg	16	32	65	J
Diazinon	32U	ug/Kg	16	32	65	J
Disulfoton	32U	ug/Kg	16	32	65	J
Ronnel	32U	ug/Kg	16	32	65	J
Methyl Parathion	32U	ug/Kg	16	32	65	J
Chlorpyrifos	32U	ug/Kg	16	32	65	J
Merphos	32U	ug/Kg	16	32	65	J
Fensulfothion	32U	ug/Kg	16	32	65	J
Azinphos-methyl	32U	ug/Kg	16	32	65	J
Sulfotep	32U	ug/Kg	16	32	65	J
Dimethoate	32U	ug/Kg	16	32	65	J
Fonophos	32U	ug/Kg	16	32	65	J
Chlorpyrifos-methyl	32U	ug/Kg	16	32	65	J
Malathion	32U	ug/Kg	16	32	65	J
Parathion (Ethyl)	32U	ug/Kg	16	32	65	J
Ethion	32U	ug/Kg	16	32	65	J
Famphur	32U	ug/Kg	16	32	65	J
Phosmet	32U	ug/Kg	16	32	65	J
Atrazine	32U	ug/Kg	16	32	65	J
Simazine	32U	ug/Kg	16	32	65	J
Demeton-S	16U	ug/Kg	8.1	16	32	J
Demeton-O	16U	ug/Kg	8.1	16	32	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	mg/L	0.1620	0.1420	88	63 - 111	J

Matrix Spike (5420595); Matrix Spike Duplicate (5420596); Original (J2411211001); Parent Lab Sample (J2411211001)

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Batch: GCSj/6743 **Analysis Method:** DoD SW-846 8141B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Mevinphos	ug/Kg	80	41	**51**	56 - 150	35	**48**	15	30	J
Demeton	ug/Kg	80	66	82	43 - 117	77	105	16	30	J
Ethoprop	ug/Kg	80	69	86	47 - 128	74	101	7	30	J
Phorate	ug/Kg	80	64	80	23 - 142	66	89	2.50	30	J
Diazinon	ug/Kg	80	66	82	42 - 134	74	100	12	30	J
Disulfoton	ug/Kg	80	59	74	28 - 145	72	97	19	30	J
Ronnel	ug/Kg	80	61	76	45 - 138	69	94	12	30	J
Methyl Parathion	ug/Kg	80	71	88	49 - 138	79	107	11	30	J
Chlorpyrifos	ug/Kg	80	65	81	47 - 140	73	100	13	30	J
Merphos	ug/Kg	80	59	73	33 - 180	68	93	15	30	J
Fensulfothion	ug/Kg	80	56	70	27 - 147	61	83	7.90	30	J
Azinphos-methyl	ug/Kg	80	58	72	38 - 156	68	92	16	30	J
Sulfotep	ug/Kg	80	80	99	52 - 126	77	104	3.50	30	J
Dimethoate	ug/Kg	80	14	17	16 - 139	9.1	**12**	**39**	30	J
Fonophos	ug/Kg	80	57	71	47 - 137	64	87	12	30	J
Chlorpyrifos-methyl	ug/Kg	80	60	75	55 - 130	74	100	20	30	J
Malathion	ug/Kg	80	74	92	49 - 138	86	117	16	30	J
Parathion (Ethyl)	ug/Kg	80	59	73	50 - 139	74	100	23	30	J
Ethion	ug/Kg	80	65	81	59 - 140	70	95	7.30	30	J
Famphur	ug/Kg	80	67	83	47 - 134	69	94	3.30	30	J
Phosmet	ug/Kg	80	67	83	63 - 146	70	95	4.70	30	J
Atrazine	ug/Kg	80	64	79	20 - 179	72	98	13	30	J
Simazine	ug/Kg	80	65	81	44 - 142	61	83	6.20	30	J
Demeton-S	ug/Kg	40	29	72	43 - 117	37	100	25	30	J
Demeton-O	ug/Kg	40	37	91	43 - 117	40	109	9	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Tributylphosphate (S)	mg/L	0.1610	0.1590	99	63 - 111	0.1510	102	5.10		J

Lab Control Sample (5420582)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Mevinphos	ug/Kg	81	59	73	56 - 150	J
Demeton	ug/Kg	81	64	79	43 - 117	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Batch: GCSj/6743 **Analysis Method:** DoD SW-846 8141B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Ethoprop	ug/Kg	81	78	96	47 - 128	J
Phorate	ug/Kg	81	71	88	23 - 142	J
Diazinon	ug/Kg	81	66	82	42 - 134	J
Disulfoton	ug/Kg	81	72	89	28 - 145	J
Ronnel	ug/Kg	81	78	97	45 - 138	J
Methyl Parathion	ug/Kg	81	81	101	49 - 138	J
Chlorpyrifos	ug/Kg	81	77	95	47 - 140	J
Merphos	ug/Kg	81	89	110	33 - 180	J
Fensulfothion	ug/Kg	81	78	97	27 - 147	J
Azinphos-methyl	ug/Kg	81	91	113	38 - 156	J
Sulfotep	ug/Kg	81	78	97	52 - 126	J
Dimethoate	ug/Kg	81	21	26	16 - 139	J
Fonophos	ug/Kg	81	71	88	47 - 137	J
Chlorpyrifos-methyl	ug/Kg	81	80	99	55 - 130	J
Malathion	ug/Kg	81	79	98	49 - 138	J
Parathion (Ethyl)	ug/Kg	81	77	95	50 - 139	J
Ethion	ug/Kg	81	84	104	59 - 140	J
Famphur	ug/Kg	81	83	103	47 - 134	J
Phosmet	ug/Kg	81	78	97	63 - 146	J
Atrazine	ug/Kg	81	55	68	20 - 179	J
Simazine	ug/Kg	81	77	95	44 - 142	J
Demeton-S	ug/Kg	40	38	94	43 - 117	J
Demeton-O	ug/Kg	40	26	64	43 - 117	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	mg/L	0.1610	0.0973	**60**	63 - 111	J

QC Result Comments

Lab Control Sample - 5420582 - Mevinphos

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample - 5420582 - Phosmet

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Result Comments

Matrix Spike - 5420595 - Atrazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Azinphos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Chlorpyrifos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Chlorpyrifos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Demeton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Demeton-O

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Demeton-S

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Diazinon

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Dimethoate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Disulfoton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Ethion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Ethoprop

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Famphur

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Fensulfothion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Fonophos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Malathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Result Comments

Matrix Spike - 5420595 - Merphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Methyl Parathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Mevinphos

*|MS/MSD recovery and/or RPD is out of criteria

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Parathion (Ethyl)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Phorate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Phosmet

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Ronnel

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Simazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5420595 - Sulfotep

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Atrazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Azinphos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Chlorpyrifos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Chlorpyrifos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Demeton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Demeton-O

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Result Comments

Matrix Spike Duplicate - 5420596 - Demeton-S

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Diazinon

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Dimethoate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420596 - Disulfoton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Ethion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Ethoprop

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Famphur

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Fensulfothion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Fonophos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Malathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Merphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Methyl Parathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Mevinphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420596 - Parathion (Ethyl)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Phorate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Result Comments

Matrix Spike Duplicate - 5420596 - Phosmet

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Ronnel

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Simazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5420596 - Sulfotep

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Results

QC Batch: GCSj/6745 **Analysis Method:** DOD SW-846 8081B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Method Blank(5420576)

Parameter	Results	Units	DL	LOD	LOQ	Lab
alpha-BHC	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
gamma-BHC (Lindane)	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
beta-BHC	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
delta-BHC	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
Heptachlor	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
Aldrin	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
Heptachlor Epoxide	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
gamma-Chlordane	0.0032U	mg/Kg	0.0016	0.0032	0.0065	J
alpha-Chlordane	0.0032U	mg/Kg	0.0024	0.0032	0.0065	J
Endosulfan I	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
4,4`-DDE	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
Dieldrin	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
Endrin	0.0032U	mg/Kg	0.0016	0.0032	0.0065	J
4,4`-DDD	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
Endosulfan II	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
Endrin Aldehyde	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
4,4`-DDT	0.0032U	mg/Kg	0.0016	0.0032	0.0065	J
Endosulfan Sulfate	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
Methoxychlor	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
Endrin ketone	0.0016U	mg/Kg	0.00081	0.0016	0.0032	J
Chlordane (technical)	0.029U	mg/Kg	0.015	0.029	0.058	J
Toxaphene	0.049U	mg/Kg	0.024	0.049	0.097	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0812	0.10	124	60 - 130	J
Tetrachloro-m-xylene (S)	mg/L	0.1620	0.1950	120	42 - 129	J

Lab Control Sample (5420577)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
alpha-BHC	mg/Kg	0.0160	0.015	93	45 - 137	J
gamma-BHC (Lindane)	mg/Kg	0.0160	0.017	106	49 - 135	J
beta-BHC	mg/Kg	0.0160	0.016	99	50 - 136	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Batch: GCSj/6745 **Analysis Method:** DOD SW-846 8081B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
delta-BHC	mg/Kg	0.0160	0.019	114	47 - 139	J
Heptachlor	mg/Kg	0.0160	0.015	90	47 - 136	J
Aldrin	mg/Kg	0.0160	0.019	118	45 - 136	J
Heptachlor Epoxide	mg/Kg	0.0160	0.016	97	52 - 136	J
gamma-Chlordane	mg/Kg	0.0160	0.019	116	53 - 135	J
alpha-Chlordane	mg/Kg	0.0160	0.016	96	54 - 133	J
Endosulfan I	mg/Kg	0.0160	0.015	91	53 - 132	J
4,4`-DDE	mg/Kg	0.0160	0.018	111	56 - 134	J
Dieldrin	mg/Kg	0.0160	0.017	107	56 - 136	J
Endrin	mg/Kg	0.0160	0.017	105	57 - 140	J
4,4`-DDD	mg/Kg	0.0160	0.017	105	56 - 139	J
Endosulfan II	mg/Kg	0.0160	0.016	99	53 - 134	J
Endrin Aldehyde	mg/Kg	0.0160	0.016	96	35 - 137	J
4,4`-DDT	mg/Kg	0.0160	0.018	112	50 - 141	J
Endosulfan Sulfate	mg/Kg	0.0160	0.017	104	55 - 136	J
Methoxychlor	mg/Kg	0.0160	0.021	127	52 - 143	J
Endrin ketone	mg/Kg	0.0160	0.017	103	55 - 136	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0813	0.0849	104	60 - 130	J
Tetrachloro-m-xylene (S)	mg/L	0.1630	0.1480	91	42 - 129	J

Matrix Spike (5420578); Matrix Spike Duplicate (5420579); Original (J2411211001); Parent Lab Sample (J2411211001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
alpha-BHC	mg/Kg	0.0160	0.011	65	45 - 137	0.014	89	29	30	J
gamma-BHC (Lindane)	mg/Kg	0.0160	0.013	81	49 - 135	0.018	112	29	30	J
beta-BHC	mg/Kg	0.0160	0.015	94	50 - 136	0.018	114	17	30	J
delta-BHC	mg/Kg	0.0160	0.014	88	47 - 139	0.018	116	26	30	J
Heptachlor	mg/Kg	0.0160	0.013	80	47 - 136	0.016	102	21	30	J
Aldrin	mg/Kg	0.0160	0.019	115	45 - 136	0.016	103	14	30	J
Heptachlor Epoxide	mg/Kg	0.0160	0.013	78	52 - 136	0.016	100	22	30	J
gamma-Chlordane	mg/Kg	0.0160	0.011	66	53 - 135	0.013	84	21	30	J
alpha-Chlordane	mg/Kg	0.0160	0.012	74	54 - 133	0.015	98	25	30	J
Endosulfan I	mg/Kg	0.0160	0.012	76	53 - 132	0.015	94	19	30	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Batch: GCSj/6745 **Analysis Method:** DOD SW-846 8081B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
4,4`-DDE	mg/Kg	0.0160	0.019	119	56 - 134	0.028	**175**	**35**	30	J
Dieldrin	mg/Kg	0.0160	0.011	69	56 - 136	0.014	90	23	30	J
Endrin	mg/Kg	0.0160	0.012	71	57 - 140	0.016	102	**33**	30	J
4,4`-DDD	mg/Kg	0.0160	0.011	65	56 - 139	0.015	96	**36**	30	J
Endosulfan II	mg/Kg	0.0160	0.01	64	53 - 134	0.014	88	29	30	J
Endrin Aldehyde	mg/Kg	0.0160	0.012	73	35 - 137	0.016	98	27	30	J
4,4`-DDT	mg/Kg	0.0160	0.018	110	50 - 141	0.018	115	1.50	30	J
Endosulfan Sulfate	mg/Kg	0.0160	0.013	82	55 - 136	0.017	104	21	30	J
Methoxychlor	mg/Kg	0.0160	0.015	93	52 - 143	0.018	116	20	30	J
Endrin ketone	mg/Kg	0.0160	0.011	68	55 - 136	0.014	86	20	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0817	0.0856	105	60 - 130	0.1030	129	18		J
Tetrachloro-m-xylene (S)	mg/L	0.1630	0.1550	95	42 - 129	0.2020	127	26		J

Matrix Spike (5420578); Matrix Spike Duplicate (5420579); Original (J2411211001); Parent Lab Sample (J2411211001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
alpha-BHC	mg/Kg	0.0160	0.011	65	45 - 137	0.014	89	29	30	J
gamma-BHC (Lindane)	mg/Kg	0.0160	0.013	81	49 - 135	0.018	112	29	30	J
beta-BHC	mg/Kg	0.0160	0.015	94	50 - 136	0.018	114	17	30	J
delta-BHC	mg/Kg	0.0160	0.014	88	47 - 139	0.018	116	26	30	J
Heptachlor	mg/Kg	0.0160	0.013	80	47 - 136	0.016	102	21	30	J
Aldrin	mg/Kg	0.0160	0.019	115	45 - 136	0.016	103	14	30	J
Heptachlor Epoxide	mg/Kg	0.0160	0.013	78	52 - 136	0.016	100	22	30	J
gamma-Chlordane	mg/Kg	0.0160	0.011	66	53 - 135	0.013	84	21	30	J
alpha-Chlordane	mg/Kg	0.0160	0.012	74	54 - 133	0.015	98	25	30	J
Endosulfan I	mg/Kg	0.0160	0.012	76	53 - 132	0.015	94	19	30	J
4,4`-DDE	mg/Kg	0.0160	0.019	119	56 - 134	0.028	**175**	**35**	30	J
Dieldrin	mg/Kg	0.0160	0.011	69	56 - 136	0.014	90	23	30	J
Endrin	mg/Kg	0.0160	0.012	71	57 - 140	0.016	102	**33**	30	J
4,4`-DDD	mg/Kg	0.0160	0.011	65	56 - 139	0.015	96	**36**	30	J
Endosulfan II	mg/Kg	0.0160	0.01	64	53 - 134	0.014	88	29	30	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Batch: GCSj/6745 **Analysis Method:** DOD SW-846 8081B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Endrin Aldehyde	mg/Kg	0.0160	0.012	73	35 - 137	0.016	98	27	30	J
4,4`-DDT	mg/Kg	0.0160	0.018	110	50 - 141	0.018	115	1.50	30	J
Endosulfan Sulfate	mg/Kg	0.0160	0.013	82	55 - 136	0.017	104	21	30	J
Methoxychlor	mg/Kg	0.0160	0.015	93	52 - 143	0.018	116	20	30	J
Endrin ketone	mg/Kg	0.0160	0.011	68	55 - 136	0.014	86	20	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0817	0.0856	105	60 - 130	0.1030	129	18		J
Tetrachloro-m-xylene (S)	mg/L	0.1630	0.1550	95	42 - 129	0.2020	127	26		J

QC Result Comments

Matrix Spike - 5420578 - 4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5420579 - 4,4`-DDD

*|MS/MSD recovery and/or RPD is out of criteria

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5420579 - 4,4`-DDE

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420579 - Endrin

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Results

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Batch: GCSj/6746 **Analysis Method:** DoD SW-846 8082A
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Method Blank(5420612)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Aroclor 1016 (PCB-1016)	0.049U	mg/Kg	0.024	0.049	0.097	J
Aroclor 1221 (PCB-1221)	0.049U	mg/Kg	0.024	0.049	0.097	J
Aroclor 1232 (PCB-1232)	0.049U	mg/Kg	0.024	0.049	0.097	J
Aroclor 1242 (PCB-1242)	0.049U	mg/Kg	0.024	0.049	0.097	J
Aroclor 1248 (PCB-1248)	0.049U	mg/Kg	0.024	0.049	0.097	J
Aroclor 1254 (PCB-1254)	0.049U	mg/Kg	0.024	0.049	0.097	J
Aroclor 1260 (PCB-1260)	0.049U	mg/Kg	0.024	0.049	0.097	J
Aroclor 1262 (PCB-1262)	0.049U	mg/Kg	0.024	0.049	0.097	J
Aroclor 1268 (PCB-1268)	0.049U	mg/Kg	0.024	0.049	0.097	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0812	0.0984	121	61 - 147	J
Tetrachloro-m-xylene (S)	mg/L	0.1620	0.1920	118	44 - 130	J

Lab Control Sample (5420613)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Aroclor 1016 (PCB-1016)	mg/Kg	0.16	0.13	85	47 - 134	J
Aroclor 1260 (PCB-1260)	mg/Kg	0.16	0.14	92	53 - 140	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0785	0.0772	98	61 - 147	J
Tetrachloro-m-xylene (S)	mg/L	0.1570	0.1580	101	44 - 130	J

Matrix Spike (5420614); Matrix Spike Duplicate (5420615); Original (J2411211001); Parent Lab Sample (J2411211001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Aroclor 1016 (PCB-1016)	mg/Kg	0.15	0.17	107	47 - 134	0.17	107	2.60	30	J
Aroclor 1260 (PCB-1260)	mg/Kg	0.15	0.16	102	53 - 140	0.15	96	2.40	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0773	0.0894	116	61 - 147	0.0961	120	7.20		J
Tetrachloro-m-xylene (S)	mg/L	0.1550	0.1980	128	44 - 130	0.2050	129	3.40		J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Results

QC Batch: ICMj/4563 **Analysis Method:** DoD SW-846 6020A
Preparation Method: SW-846 3050B
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Method Blank(5418289)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Thallium	0.010U	mg/Kg	0.0050	0.010	0.020	J

Lab Control Sample (5418290)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Thallium	mg/Kg	0.10	0.096	96	83 - 118	J

Matrix Spike (5418291); Matrix Spike Duplicate (5418292); Original (J2411208003); Parent Lab Sample (J2411208003)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Thallium	mg/Kg	0.10	0.18	**171**	83 - 118	0.17	**156**	5.60	20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Results

QC Batch: ICPj/3752 **Analysis Method:** DoD SW-846 6010C
Preparation Method: SW-846 3050B
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Method Blank(5422504)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Silver	0.28J	mg/Kg	0.20	0.40	0.80	J
Arsenic	1.0U	mg/Kg	0.50	1.0	2.0	J
Barium	1.0U	mg/Kg	0.50	1.0	2.0	J
Beryllium	0.20U	mg/Kg	0.10	0.20	0.40	J
Cadmium	0.10U	mg/Kg	0.050	0.10	0.20	J
Chromium	0.40U	mg/Kg	0.20	0.40	0.80	J
Copper	1.0U	mg/Kg	0.50	1.0	2.0	J
Nickel	1.0U	mg/Kg	0.50	1.0	2.0	J
Lead	1.0U	mg/Kg	0.50	1.0	2.0	J
Antimony	1.0U	mg/Kg	0.50	1.0	2.0	J
Selenium	2.0U	mg/Kg	1.0	2.0	4.0	J
Zinc	20U	mg/Kg	10	20	40	J

Lab Control Sample (5422505)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Silver	mg/Kg	4	4.2	106	82 - 112	J
Arsenic	mg/Kg	10	9.3	93	82 - 111	J
Barium	mg/Kg	10	9.3	93	83 - 113	J
Beryllium	mg/Kg	2	1.8	91	83 - 113	J
Cadmium	mg/Kg	1	0.96	96	82 - 113	J
Chromium	mg/Kg	4	3.8	95	85 - 113	J
Copper	mg/Kg	10	9.1	91	81 - 117	J
Nickel	mg/Kg	10	9.6	96	83 - 113	J
Lead	mg/Kg	10	10	100	81 - 112	J
Antimony	mg/Kg	10	9.3	93	79 - 114	J
Selenium	mg/Kg	20	19	95	78 - 111	J
Zinc	mg/Kg	200	190	93	82 - 113	J

Matrix Spike (5422506); Matrix Spike Duplicate (5422507); Original (J2411211001); Parent Lab Sample (J2411211001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Silver	mg/Kg	4	9	**120**	82 - 112	7	**69**	**24**	20	J
Arsenic	mg/Kg	10	27	**132**	82 - 111	23	92	15	20	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Batch: ICPj/3752 **Analysis Method:** DoD SW-846 6010C
Preparation Method: SW-846 3050B
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Barium	mg/Kg	10	440	**341**	83 - 113	450	**442**	2.50	20	J
Beryllium	mg/Kg	2	0.57	**28**	83 - 113	0.56	**27**	2	20	J
Cadmium	mg/Kg	1	8.7	102	82 - 113	8.4	**67**	3.90	20	J
Chromium	mg/Kg	4	57	**-9**	85 - 113	55	**-61**	3.90	20	J
Copper	mg/Kg	10	630	**1790**	81 - 117	530	**725**	18	20	J
Nickel	mg/Kg	10	94	**321**	83 - 113	72	97	**27**	20	J
Lead	mg/Kg	10	1200	**302**	81 - 112	1100	**-1580**	17	20	J
Antimony	mg/Kg	10	6.6	**41**	79 - 114	5.7	**30**	16	20	J
Selenium	mg/Kg	20	4.3	**22**	78 - 111	2.8	**14**	**43**	20	J
Zinc	mg/Kg	200	2200	**320**	82 - 113	1700	**51**	**27**	20	J

Matrix Spike (5422506); Matrix Spike Duplicate (5422507); Original (J2411211001); Parent Lab Sample (J2411211001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Silver	mg/Kg	4	9	**120**	82 - 112	7	**69**	**24**	20	J
Arsenic	mg/Kg	10	27	**132**	82 - 111	23	92	15	20	J
Barium	mg/Kg	10	440	**341**	83 - 113	450	**442**	2.50	20	J
Beryllium	mg/Kg	2	0.57	**28**	83 - 113	0.56	**27**	2	20	J
Cadmium	mg/Kg	1	8.7	102	82 - 113	8.4	**67**	3.90	20	J
Chromium	mg/Kg	4	57	**-9**	85 - 113	55	**-61**	3.90	20	J
Copper	mg/Kg	10	630	**1790**	81 - 117	530	**725**	18	20	J
Nickel	mg/Kg	10	94	**321**	83 - 113	72	97	**27**	20	J
Lead	mg/Kg	10	1200	**302**	81 - 112	1100	**-1580**	17	20	J
Antimony	mg/Kg	10	6.6	**41**	79 - 114	5.7	**30**	16	20	J
Selenium	mg/Kg	20	4.3	**22**	78 - 111	2.8	**14**	**43**	20	J
Zinc	mg/Kg	200	2200	**320**	82 - 113	1700	**51**	**27**	20	J

QC Result Comments

Matrix Spike - 5422506 - Antimony

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5422506 - Arsenic

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5422506 - Beryllium

*|MS/MSD recovery and/or RPD is out of criteria

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Result Comments
Matrix Spike - 5422506 - Nickel
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5422506 - Selenium
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5422506 - Silver
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5422507 - Antimony
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5422507 - Beryllium
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5422507 - Cadmium
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5422507 - Nickel
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5422507 - Selenium
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5422507 - Silver
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5422506 - Barium
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5422506 - Copper
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5422506 - Lead
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5422506 - Zinc
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5422507 - Barium
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5422507 - Copper
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5422507 - Zinc
*|MS/MSD recovery and/or RPD is out of criteria

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Results

QC Batch: MSSj/4172 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Method Blank(5421505)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Phenol	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Chlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2-Methylphenol (o-Cresol)	0.33U	mg/Kg	0.17	0.33	0.67	J
3+4-Methylphenol(mp-Cresol)	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Nitrophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4-Dimethylphenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4-Dichlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
4-Chloro-3-methylphenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4,6-Trichlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4,5-Trichlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4-Dinitrophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
4-Nitrophenol	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Methyl-4,6-dinitrophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
Pentachlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
bis(2-Chloroethyl)Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
bis(2-Chloroisopropyl) Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
Acetophenone	0.17U	mg/Kg	0.083	0.17	0.33	J
N-Nitrosodi-n-propylamine	0.17U	mg/Kg	0.083	0.17	0.33	J
Hexachloroethane	0.17U	mg/Kg	0.083	0.17	0.33	J
Nitrobenzene	0.33U	mg/Kg	0.17	0.33	0.67	J
Isophorone	0.17U	mg/Kg	0.083	0.17	0.33	J
bis(2-Chloroethoxy)methane	0.33U	mg/Kg	0.17	0.33	0.67	J
Naphthalene	0.010U	mg/Kg	0.0050	0.010	0.020	J
4-Chloroaniline	0.17U	mg/Kg	0.083	0.17	0.33	J
Hexachlorobutadiene	0.17U	mg/Kg	0.083	0.17	0.33	J
2-Methylnaphthalene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Hexachlorocyclopentadiene	0.17U	mg/Kg	0.083	0.17	0.33	J
2-Chloronaphthalene	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Nitroaniline	0.17U	mg/Kg	0.083	0.17	0.33	J
Dimethyl phthalate	0.17U	mg/Kg	0.083	0.17	0.33	J
2,6-Dinitrotoluene (2,6-DNT)	0.17U	mg/Kg	0.083	0.17	0.33	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Batch: MSSj/4172 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Parameter	Results	Units	DL	LOD	LOQ	Lab
Acenaphthylene	0.010U	mg/Kg	0.0050	0.010	0.020	J
3-Nitroaniline	0.33U	mg/Kg	0.17	0.33	0.67	J
Acenaphthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Dibenzofuran	0.010U	mg/Kg	0.0050	0.010	0.020	J
2,4-Dinitrotoluene (2,4-DNT)	0.17U	mg/Kg	0.083	0.17	0.33	J
Diethyl phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Fluorene	0.010U	mg/Kg	0.0050	0.010	0.020	J
4-Chlorophenyl Phenyl Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
4-Nitroaniline	0.33U	mg/Kg	0.17	0.33	0.67	J
4-Bromophenyl Phenyl Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
Hexachlorobenzene	0.17U	mg/Kg	0.083	0.17	0.33	J
Phenanthrene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Anthracene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Carbazole	0.010U	mg/Kg	0.0050	0.010	0.020	J
Di-n-Butyl Phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Fluoranthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Pyrene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Butyl benzyl phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Benzo[a]anthracene	0.010U	mg/Kg	0.0050	0.010	0.020	J
3,3`-Dichlorobenzidine	0.17U	mg/Kg	0.083	0.17	0.33	J
Chrysene	0.010U	mg/Kg	0.0050	0.010	0.020	J
bis(2-Ethylhexyl) phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Di-n-octyl Phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Benzo[b]fluoranthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Benzo[k]fluoranthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Benzo[a]pyrene	0.016U	mg/Kg	0.0080	0.016	0.032	J
Indeno(1,2,3-cd)pyrene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Dibenzo[a,h]anthracene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Benzo[g,h,i]perylene	0.010U	mg/Kg	0.0050	0.010	0.020	J
N-Nitrosodiphenylamine	0.17U	mg/Kg	0.083	0.17	0.33	J
Biphenyl	0.33U	mg/Kg	0.17	0.33	0.67	J
Atrazine	0.33U	mg/Kg	0.17	0.33	0.67	J
Benzaldehyde	0.17U	mg/Kg	0.083	0.17	0.33	J
Caprolactam	0.17U	mg/Kg	0.083	0.17	0.33	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Batch: MSSj/4172 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	1.67	1.13	68	39 - 132	J
2-Fluorobiphenyl (S)	mg/L	1.67	1.27	76	44 - 115	J
2-Fluorophenol (S)	mg/L	1.67	1.24	74	35 - 115	J
2-Methylnaphthalene-d10 (S)	mg/L	1.67	1.23	74	50 - 150	J
Fluoranthene-d10 (S)	mg/L	1.67	1.29	77	50 - 150	J
Nitrobenzene-d5 (S)	mg/L	1.67	1.27	76	37 - 122	J
Phenol-d6 (S)	mg/L	1.67	1.21	73	33 - 122	J
p-Terphenyl-d14 (S)	mg/L	1.67	1.43	86	54 - 127	J

Lab Control Sample (5421506)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Phenol	mg/Kg	1.70	1.1	69	34 - 121	J
2-Chlorophenol	mg/Kg	1.70	1.2	74	34 - 121	J
2-Methylphenol (o-Cresol)	mg/Kg	1.70	1.2	74	32 - 122	J
3+4-Methylphenol(mp-Cresol)	mg/Kg	1.70	1.1	67	34 - 119	J
2-Nitrophenol	mg/Kg	1.70	1.2	73	36 - 123	J
2,4-Dimethylphenol	mg/Kg	1.70	1.3	79	30 - 127	J
2,4-Dichlorophenol	mg/Kg	1.70	1.2	69	40 - 122	J
4-Chloro-3-methylphenol	mg/Kg	1.70	1.3	75	45 - 122	J
2,4,6-Trichlorophenol	mg/Kg	1.70	1.3	78	39 - 126	J
2,4,5-Trichlorophenol	mg/Kg	1.70	1.2	74	41 - 124	J
2,4-Dinitrophenol	mg/Kg	1.70	1.3	78	52 - 122	J
4-Nitrophenol	mg/Kg	1.70	1.5	91	30 - 132	J
2-Methyl-4,6-dinitrophenol	mg/Kg	1.70	1.3	80	29 - 132	J
Pentachlorophenol	mg/Kg	1.70	0.88	53	25 - 133	J
bis(2-Chloroethyl)Ether	mg/Kg	1.70	1.1	66	31 - 120	J
bis(2-Chloroisopropyl) Ether	mg/Kg	1.70	1.5	92	33 - 131	J
Acetophenone	mg/Kg	1.70	1.1	68	33 - 115	J
N-Nitrosodi-n-propylamine	mg/Kg	1.70	1.2	74	36 - 120	J
Hexachloroethane	mg/Kg	1.70	1.3	78	28 - 117	J
Nitrobenzene	mg/Kg	1.70	1.3	77	34 - 122	J
Isophorone	mg/Kg	1.70	1.2	70	30 - 122	J
bis(2-Chloroethoxy)methane	mg/Kg	1.70	1.1	65	36 - 121	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Batch: MSSj/4172 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Naphthalene	mg/Kg	1.70	1.1	64	38 - 111	J
4-Chloroaniline	mg/Kg	1.70	1.2	71	17 - 106	J
Hexachlorobutadiene	mg/Kg	1.70	1.2	71	32 - 123	J
2-Methylnaphthalene	mg/Kg	1.70	1.1	66	39 - 114	J
Hexachlorocyclopentadiene	mg/Kg	1.70	1.8	109	49 - 137	J
2-Chloronaphthalene	mg/Kg	1.70	1.1	68	41 - 114	J
2-Nitroaniline	mg/Kg	1.70	1.2	74	44 - 127	J
Dimethyl phthalate	mg/Kg	1.70	1.3	78	48 - 124	J
2,6-Dinitrotoluene (2,6-DNT)	mg/Kg	1.70	1.3	81	46 - 124	J
Acenaphthylene	mg/Kg	1.70	1.3	76	39 - 116	J
3-Nitroaniline	mg/Kg	1.70	1.4	86	33 - 119	J
Acenaphthene	mg/Kg	1.70	1.1	67	44 - 111	J
Dibenzofuran	mg/Kg	1.70	1.2	70	35 - 108	J
2,4-Dinitrotoluene (2,4-DNT)	mg/Kg	1.70	1.3	79	48 - 126	J
Diethyl phthalate	mg/Kg	1.70	1.3	80	50 - 124	J
Fluorene	mg/Kg	1.70	1.2	70	47 - 114	J
4-Chlorophenyl Phenyl Ether	mg/Kg	1.70	1.1	68	45 - 121	J
4-Nitroaniline	mg/Kg	1.70	1.4	84	79 - 122	J
4-Bromophenyl Phenyl Ether	mg/Kg	1.70	1.1	68	46 - 124	J
Hexachlorobenzene	mg/Kg	1.70	1.1	66	45 - 122	J
Phenanthrene	mg/Kg	1.70	1.1	65	49 - 133	J
Anthracene	mg/Kg	1.70	1.1	66	50 - 114	J
Carbazole	mg/Kg	1.70	1.1	66	36 - 123	J
Di-n-Butyl Phthalate	mg/Kg	1.70	1.3	75	51 - 128	J
Fluoranthene	mg/Kg	1.70	1.1	67	55 - 119	J
Pyrene	mg/Kg	1.70	1.2	70	55 - 117	J
Butyl benzyl phthalate	mg/Kg	1.70	1.3	81	48 - 132	J
Benzo[a]anthracene	mg/Kg	1.70	1.2	71	54 - 122	J
3,3`-Dichlorobenzidine	mg/Kg	1.70	1	62	22 - 121	J
Chrysene	mg/Kg	1.70	1.1	67	57 - 118	J
bis(2-Ethylhexyl) phthalate	mg/Kg	1.70	1.4	85	51 - 133	J
Di-n-octyl Phthalate	mg/Kg	1.70	1.3	77	45 - 140	J
Benzo[b]fluoranthene	mg/Kg	1.70	1.2	71	53 - 128	J
Benzo[k]fluoranthene	mg/Kg	1.70	1.1	66	56 - 123	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Batch: MSSj/4172 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Benzo[a]pyrene	mg/Kg	1.70	1.1	69	50 - 125	J
Indeno(1,2,3-cd)pyrene	mg/Kg	1.70	1.1	64	49 - 130	J
Dibenzo[a,h]anthracene	mg/Kg	1.70	1.1	67	50 - 129	J
Benzo[g,h,i]perylene	mg/Kg	1.70	1	62	49 - 127	J
N-Nitrosodiphenylamine	mg/Kg	1.70	1.1	64	38 - 127	J
Biphenyl	mg/Kg	1.70	1.2	70	40 - 117	J
Atrazine	mg/Kg	1.70	1.2	70	47 - 127	J
Benzaldehyde	mg/Kg	1.70	0.55	33	10 - 90	J
Caprolactam	mg/Kg	1.70	1.6	95	46 - 117	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	1.67	0.9930	60	39 - 132	J
2-Fluorobiphenyl (S)	mg/L	1.67	1.25	75	44 - 115	J
2-Fluorophenol (S)	mg/L	1.67	1.17	70	35 - 115	J
2-Methylnaphthalene-d10 (S)	mg/L	1.67	1.16	70	50 - 150	J
Fluoranthene-d10 (S)	mg/L	1.67	1.15	69	50 - 150	J
Nitrobenzene-d5 (S)	mg/L	1.67	1.17	70	37 - 122	J
Phenol-d6 (S)	mg/L	1.67	1.14	69	33 - 122	J
p-Terphenyl-d14 (S)	mg/L	1.67	1.18	71	54 - 127	J

Matrix Spike (5421507); Matrix Spike Duplicate (5421508); Original (J2411208003); Parent Lab Sample (J2411208003)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Phenol	mg/Kg	1.70	1.1	66	34 - 121	1	62	5.50	20	J
2-Chlorophenol	mg/Kg	1.70	1.2	71	34 - 121	1.1	65	7.80	20	J
2-Methylphenol (o-Cresol)	mg/Kg	1.70	1.2	72	32 - 122	1.1	67	7.50	20	J
3+4-Methylphenol(mp-Cres	mg/Kg	1.70	1.1	64	34 - 119	0.99	60	7.40	20	J
2-Nitrophenol	mg/Kg	1.70	1.2	73	36 - 123	1.1	69	5.10	20	J
2,4-Dimethylphenol	mg/Kg	1.70	1.3	79	30 - 127	1.2	72	9	20	J
2,4-Dichlorophenol	mg/Kg	1.70	1.2	73	40 - 122	1.1	69	6.20	20	J
4-Chloro-3-methylphenol	mg/Kg	1.70	1.2	74	45 - 122	1.1	66	11	20	J
2,4,6-Trichlorophenol	mg/Kg	1.70	1.2	73	39 - 126	1.2	73	0.70	20	J
2,4,5-Trichlorophenol	mg/Kg	1.70	1.2	73	41 - 124	1.2	73	0.20	20	J
2,4-Dinitrophenol	mg/Kg	1.70	1.3	77	52 - 122	1.3	76	1	20	J
4-Nitrophenol	mg/Kg	1.70	1.4	86	30 - 132	1.4	86	0.60	20	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Batch: MSSj/4172 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2-Methyl-4,6-dinitrophenol	mg/Kg	1.70	1.3	79	29 - 132	1.3	81	3	20	J
Pentachlorophenol	mg/Kg	1.70	1	63	25 - 133	0.88	53	17	20	J
bis(2-Chloroethyl)Ether	mg/Kg	1.70	1	62	31 - 120	0.99	60	4.10	20	J
bis(2-Chloroisopropyl) Ethe	mg/Kg	1.70	1.5	90	33 - 131	1.4	86	4.40	20	J
Acetophenone	mg/Kg	1.70	1.1	66	33 - 115	1	62	6.40	20	J
N-Nitrosodi-n-propylamine	mg/Kg	1.70	1.3	77	36 - 120	1.2	72	6.10	20	J
Hexachloroethane	mg/Kg	1.70	1.1	69	28 - 117	1.1	68	0.50	20	J
Nitrobenzene	mg/Kg	1.70	1.3	77	34 - 122	1.2	72	6.60	20	J
Isophorone	mg/Kg	1.70	1.2	71	30 - 122	1.1	66	7.80	20	J
bis(2-Chloroethoxy)methan	mg/Kg	1.70	1.1	64	36 - 121	1	61	5.50	20	J
Naphthalene	mg/Kg	1.70	1.1	65	38 - 111	1	60	7.50	20	J
4-Chloroaniline	mg/Kg	1.70	1.2	71	17 - 106	1.1	65	7.80	20	J
Hexachlorobutadiene	mg/Kg	1.70	1.2	70	32 - 123	1.1	64	8	20	J
2-Methylnaphthalene	mg/Kg	1.70	1.1	66	39 - 114	1	63	4.80	20	J
Hexachlorocyclopentadiene	mg/Kg	1.70	1.5	88	49 - 137	1.7	102	14	20	J
2-Chloronaphthalene	mg/Kg	1.70	1.1	65	41 - 114	1	62	4.70	20	J
2-Nitroaniline	mg/Kg	1.70	1.2	75	44 - 127	1.3	76	2.30	20	J
Dimethyl phthalate	mg/Kg	1.70	1.2	72	48 - 124	1.2	72	0	20	J
2,6-Dinitrotoluene (2,6-DNT	mg/Kg	1.70	1.3	78	46 - 124	1.3	79	0.50	20	J
Acenaphthylene	mg/Kg	1.70	1.2	72	39 - 116	1.2	72	0.40	20	J
3-Nitroaniline	mg/Kg	1.70	1.3	79	33 - 119	1.3	79	0.40	20	J
Acenaphthene	mg/Kg	1.70	1	62	44 - 111	1.1	64	2.70	20	J
Dibenzofuran	mg/Kg	1.70	1.1	66	35 - 108	1.1	67	1.60	20	J
2,4-Dinitrotoluene (2,4-DNT	mg/Kg	1.70	1.2	73	48 - 126	1.3	77	5.10	20	J
Diethyl phthalate	mg/Kg	1.70	1.2	73	50 - 124	1.2	74	1.90	20	J
Fluorene	mg/Kg	1.70	1.1	67	47 - 114	1.1	68	1.70	20	J
4-Chlorophenyl Phenyl Eth	mg/Kg	1.70	1.2	71	45 - 121	1.2	70	1.30	20	J
4-Nitroaniline	mg/Kg	1.70	1.4	82	79 - 122	1.3	81	1.60	20	J
4-Bromophenyl Phenyl Eth	mg/Kg	1.70	1	62	46 - 124	1.2	74	18	20	J
Hexachlorobenzene	mg/Kg	1.70	1.2	70	45 - 122	1.2	72	3	20	J
Phenanthrene	mg/Kg	1.70	1.1	67	49 - 133	1.1	68	2.10	20	J
Anthracene	mg/Kg	1.70	1.1	66	50 - 114	1.1	66	0.30	20	J
Carbazole	mg/Kg	1.70	1.1	67	36 - 123	1.1	69	2.50	20	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Batch: MSSj/4172 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Di-n-Butyl Phthalate	mg/Kg	1.70	1.2	72	51 - 128	1.3	78	8.70	20	J
Fluoranthene	mg/Kg	1.70	1.1	68	55 - 119	1.1	69	2.40	20	J
Pyrene	mg/Kg	1.70	1.2	70	55 - 117	1.2	71	1.80	20	J
Butyl benzyl phthalate	mg/Kg	1.70	1.3	81	48 - 132	1.4	82	1.70	20	J
Benzo[a]anthracene	mg/Kg	1.70	1.2	71	54 - 122	1.2	72	1.10	20	J
3,3`-Dichlorobenzidine	mg/Kg	1.70	1.1	65	22 - 121	1.1	66	0.90	20	J
Chrysene	mg/Kg	1.70	1.1	67	57 - 118	1.1	67	0.50	20	J
bis(2-Ethylhexyl) phthalate	mg/Kg	1.70	1.4	84	51 - 133	1.4	85	0.90	20	J
Di-n-octyl Phthalate	mg/Kg	1.70	1.3	81	45 - 140	1.3	81	0.50	20	J
Benzo[b]fluoranthene	mg/Kg	1.70	1.1	66	53 - 128	1.2	75	12	20	J
Benzo[k]fluoranthene	mg/Kg	1.70	1.1	64	56 - 123	1.2	69	8.40	20	J
Benzo[a]pyrene	mg/Kg	1.70	1.1	66	50 - 125	1.2	72	8.60	20	J
Indeno(1,2,3-cd)pyrene	mg/Kg	1.70	1.1	65	49 - 130	1.1	69	5.90	20	J
Dibenzo[a,h]anthracene	mg/Kg	1.70	1.1	65	50 - 129	1.2	72	11	20	J
Benzo[g,h,i]perylene	mg/Kg	1.70	0.97	59	49 - 127	1.1	66	12	20	J
N-Nitrosodiphenylamine	mg/Kg	1.70	1	63	38 - 127	1	62	1.70	20	J
Biphenyl	mg/Kg	1.70	1.1	67	40 - 117	1.1	67	0.80	20	J
Atrazine	mg/Kg	1.70	1	63	47 - 127	1.1	66	5.60	20	J
Benzaldehyde	mg/Kg	1.70	0.54	33	10 - 90	0.46	28	16	20	J
Caprolactam	mg/Kg	1.70	1.7	101	46 - 117	1.6	95	6.30	20	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2,4,6-Tribromophenol (S)	mg/L	1.66	1.06	64	39 - 132	0.9920	60	6.40		J
2-Fluorobiphenyl (S)	mg/L	1.66	1.13	68	44 - 115	1.10	66	3.40		J
2-Fluorophenol (S)	mg/L	1.66	1.09	66	35 - 115	0.97	58	11		J
2-Methylnaphthalene-d10 (S)	mg/L	1.66	1.19	72	50 - 150	1.06	64	11		J
Fluoranthene-d10 (S)	mg/L	1.66	1.14	69	50 - 150	1.15	69	0.20		J
Nitrobenzene-d5 (S)	mg/L	1.66	1.19	72	37 - 122	1.05	63	13		J
Phenol-d6 (S)	mg/L	1.66	1.10	66	33 - 122	0.9720	59	12		J
p-Terphenyl-d14 (S)	mg/L	1.66	1.25	75	54 - 127	1.17	70	6.80		J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Result Comments

Method Blank - 5421505 - bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample - 5421506 - bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5421507 - bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5421508 - bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Results

QC Batch: MSVj/10367 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Method Blank(5425646)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Dichlorodifluoromethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Chloromethane	0.0030U	mg/Kg	0.0015	0.0030	0.0060	J
Vinyl Chloride	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Bromomethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Chloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Trichlorofluoromethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Acetone	0.0030U	mg/Kg	0.0015	0.0030	0.0060	J
1,1-Dichloroethylene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Methylene Chloride	0.0030U	mg/Kg	0.0015	0.0030	0.0060	J
Carbon Disulfide	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
trans-1,2-Dichloroethylene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Methyl tert-butyl Ether (MTBE)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,1-Dichloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
2-Butanone (MEK)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
cis-1,2-Dichloroethylene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Chloroform	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2-Dichloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,1,1-Trichloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Carbon Tetrachloride	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Benzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2-Dichloropropane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Trichloroethene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Bromodichloromethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
cis-1,3-Dichloropropene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
4-Methyl-2-pentanone (MIBK)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
trans-1,3-Dichloropropylene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,1,2-Trichloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Toluene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
2-Hexanone	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Dibromochloromethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Ethylene Dibromide (EDB)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Batch: MSVj/10367 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Parameter	Results	Units	DL	LOD	LOQ	Lab
Tetrachloroethylene (PCE)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Chlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Ethylbenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Bromoform	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Styrene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,1,2,2-Tetrachloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Isopropylbenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,3-Dichlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,4-Dichlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2-Dichlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2-Dibromo-3-Chloropropane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2,4-Trichlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Xylene (Total)	0.0045U	mg/Kg	0.0022	0.0045	0.0090	J
1,1,2-Trichlorotrifluoroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,4-Dioxane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Methyl Cyclohexane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Methyl Acetate	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Cyclohexane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	51.60	103	71 - 136	J
Bromofluorobenzene (S)	ug/L	50	52.60	105	79 - 119	J
Toluene-d8 (S)	ug/L	50	49	98	85 - 116	J

Lab Control Sample (5425647)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	mg/Kg	0.02	0.023	114	29 - 149	J
Chloromethane	mg/Kg	0.02	0.023	115	50 - 136	J
Vinyl Chloride	mg/Kg	0.02	0.023	116	56 - 135	J
Bromomethane	mg/Kg	0.02	0.026	128	53 - 143	J
Chloroethane	mg/Kg	0.02	0.024	119	59 - 139	J
Trichlorofluoromethane	mg/Kg	0.02	0.022	110	62 - 140	J
Acetone	mg/Kg	0.02	0.022	112	36 - 164	J
1,1-Dichloroethylene	mg/Kg	0.02	0.023	114	70 - 131	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Batch: MSVj/10367 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Methylene Chloride	mg/Kg	0.02	0.023	113	70 - 128	J
Carbon Disulfide	mg/Kg	0.02	0.023	113	63 - 132	J
trans-1,2-Dichloroethylene	mg/Kg	0.02	0.023	113	74 - 125	J
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.02	0.023	113	73 - 125	J
1,1-Dichloroethane	mg/Kg	0.02	0.023	115	76 - 125	J
2-Butanone (MEK)	mg/Kg	0.02	0.023	114	51 - 148	J
cis-1,2-Dichloroethylene	mg/Kg	0.02	0.023	115	77 - 123	J
Chloroform	mg/Kg	0.02	0.023	116	78 - 123	J
1,2-Dichloroethane	mg/Kg	0.02	0.022	110	73 - 128	J
1,1,1-Trichloroethane	mg/Kg	0.02	0.023	114	73 - 130	J
Carbon Tetrachloride	mg/Kg	0.02	0.022	112	70 - 135	J
Benzene	mg/Kg	0.02	0.023	115	77 - 121	J
1,2-Dichloropropane	mg/Kg	0.02	0.023	117	76 - 123	J
Trichloroethene	mg/Kg	0.02	0.023	116	77 - 123	J
Bromodichloromethane	mg/Kg	0.02	0.022	110	75 - 127	J
cis-1,3-Dichloropropene	mg/Kg	0.02	0.023	113	74 - 126	J
4-Methyl-2-pentanone (MIBK)	mg/Kg	0.02	0.021	106	65 - 135	J
trans-1,3-Dichloropropylene	mg/Kg	0.02	0.022	111	71 - 130	J
1,1,2-Trichloroethane	mg/Kg	0.02	0.022	112	78 - 121	J
Toluene	mg/Kg	0.02	0.021	107	77 - 121	J
2-Hexanone	mg/Kg	0.02	0.02	101	53 - 145	J
Dibromochloromethane	mg/Kg	0.02	0.021	106	74 - 126	J
Ethylene Dibromide (EDB)	mg/Kg	0.02	0.022	110	78 - 122	J
Tetrachloroethylene (PCE)	mg/Kg	0.02	0.021	107	73 - 128	J
Chlorobenzene	mg/Kg	0.02	0.021	104	79 - 120	J
Ethylbenzene	mg/Kg	0.02	0.022	109	76 - 122	J
Bromoform	mg/Kg	0.02	0.021	105	67 - 132	J
Styrene	mg/Kg	0.02	0.021	107	76 - 124	J
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	0.023	116	70 - 124	J
Isopropylbenzene	mg/Kg	0.02	0.021	105	68 - 134	J
1,3-Dichlorobenzene	mg/Kg	0.02	0.02	99	77 - 121	J
1,4-Dichlorobenzene	mg/Kg	0.02	0.019	97	75 - 120	J
1,2-Dichlorobenzene	mg/Kg	0.02	0.019	94	78 - 121	J
1,2-Dibromo-3-Chloropropane	mg/Kg	0.02	0.02	98	61 - 132	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Batch: MSVj/10367 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2,4-Trichlorobenzene	mg/Kg	0.02	0.018	90	67 - 129	J
Xylene (Total)	mg/Kg	0.06	0.065	108	78 - 124	J
1,1,2-Trichlorotrifluoroethane	mg/Kg	0.02	0.023	117	66 - 136	J
1,4-Dioxane	mg/Kg	0.02	0.021	107	55 - 138	J
Methyl Cyclohexane	mg/Kg	0.02	0.022	109	66 - 133	J
Methyl Acetate	mg/Kg	0.02	0.023	117	53 - 144	J
Cyclohexane	mg/Kg	0.02	0.022	111	67 - 131	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	50.60	101	71 - 136	J
Bromofluorobenzene (S)	ug/L	50	50.80	102	79 - 119	J
Toluene-d8 (S)	ug/L	50	49.50	99	85 - 116	J

Matrix Spike (5425648); Matrix Spike Duplicate (5425649); Original (J2411211004); Parent Lab Sample (J2411211004)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	mg/Kg	0.0320	0.033	103	29 - 149	0.042	135	**23**	20	J
Chloromethane	mg/Kg	0.0320	0.033	103	50 - 136	0.043	**139**	**25**	20	J
Vinyl Chloride	mg/Kg	0.0320	0.033	104	56 - 135	0.042	**138**	**24**	20	J
Bromomethane	mg/Kg	0.0320	0.034	105	53 - 143	0.046	**150**	**31**	20	J
Chloroethane	mg/Kg	0.0320	0.033	104	59 - 139	0.043	**140**	**25**	20	J
Trichlorofluoromethane	mg/Kg	0.0320	0.036	113	62 - 140	0.039	127	8.30	20	J
Acetone	mg/Kg	0.0320	0.055	**4.8**	36 - 164	0.064	37	17	20	J
1,1-Dichloroethylene	mg/Kg	0.0320	0.033	104	70 - 131	0.041	**135**	**21**	20	J
Methylene Chloride	mg/Kg	0.0320	0.03	95	70 - 128	0.037	120	20	20	J
Carbon Disulfide	mg/Kg	0.0320	0.03	95	63 - 132	0.038	124	**23**	20	J
trans-1,2-Dichloroethylene	mg/Kg	0.0320	0.033	102	74 - 125	0.04	**131**	**21**	20	J
Methyl tert-butyl Ether (MT	mg/Kg	0.0320	0.028	88	73 - 125	0.034	111	19	20	J
1,1-Dichloroethane	mg/Kg	0.0320	0.032	100	76 - 125	0.04	**131**	**22**	20	J
2-Butanone (MEK)	mg/Kg	0.0320	0.028	88	51 - 148	0.034	112	20	20	J
cis-1,2-Dichloroethylene	mg/Kg	0.0320	0.032	99	77 - 123	0.039	**128**	**21**	20	J
Chloroform	mg/Kg	0.0320	0.031	98	78 - 123	0.039	**127**	**22**	20	J
1,2-Dichloroethane	mg/Kg	0.0320	0.03	94	73 - 128	0.037	119	19	20	J
1,1,1-Trichloroethane	mg/Kg	0.0320	0.031	96	73 - 130	0.039	128	**24**	20	J
Carbon Tetrachloride	mg/Kg	0.0320	0.03	93	70 - 135	0.039	126	**26**	20	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Batch: MSVj/10367 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzene	mg/Kg	0.0320	0.031	96	77 - 121	0.038	**124**	**21**	20	J
1,2-Dichloropropane	mg/Kg	0.0320	0.032	100	76 - 123	0.039	**126**	19	20	J
Trichloroethene	mg/Kg	0.0320	0.032	99	77 - 123	0.04	**130**	**23**	20	J
Bromodichloromethane	mg/Kg	0.0320	0.03	95	75 - 127	0.036	118	18	20	J
cis-1,3-Dichloropropene	mg/Kg	0.0320	0.028	88	74 - 126	0.034	110	18	20	J
4-Methyl-2-pentanone (MIB	mg/Kg	0.0320	0.024	74	65 - 135	0.03	96	**22**	20	J
trans-1,3-Dichloropropylene	mg/Kg	0.0320	0.027	83	71 - 130	0.032	105	19	20	J
1,1,2-Trichloroethane	mg/Kg	0.0320	0.028	87	78 - 121	0.034	109	18	20	J
Toluene	mg/Kg	0.0320	0.03	92	77 - 121	0.035	114	17	20	J
2-Hexanone	mg/Kg	0.0320	0.024	74	53 - 145	0.03	96	**22**	20	J
Dibromochloromethane	mg/Kg	0.0320	0.027	85	74 - 126	0.031	102	15	20	J
Ethylene Dibromide (EDB)	mg/Kg	0.0320	0.028	86	78 - 122	0.032	106	16	20	J
Tetrachloroethylene (PCE)	mg/Kg	0.0320	0.029	90	73 - 128	0.034	110	16	20	J
Chlorobenzene	mg/Kg	0.0320	0.028	86	79 - 120	0.032	105	16	20	J
Ethylbenzene	mg/Kg	0.0320	0.029	92	76 - 122	0.034	111	15	20	J
Bromoform	mg/Kg	0.0320	0.025	79	67 - 132	0.03	98	17	20	J
Styrene	mg/Kg	0.0320	0.026	82	76 - 124	0.031	101	16	20	J
1,1,2,2-Tetrachloroethane	mg/Kg	0.0320	0.029	90	70 - 124	0.033	108	14	20	J
Isopropylbenzene	mg/Kg	0.0320	0.027	85	68 - 134	0.033	106	18	20	J
1,3-Dichlorobenzene	mg/Kg	0.0320	0.025	**76**	77 - 121	0.03	98	20	20	J
1,4-Dichlorobenzene	mg/Kg	0.0320	0.024	76	75 - 120	0.029	94	18	20	J
1,2-Dichlorobenzene	mg/Kg	0.0320	0.025	**77**	78 - 121	0.029	94	16	20	J
1,2-Dibromo-3-Chloropropa	mg/Kg	0.0320	0.023	71	61 - 132	0.028	90	19	20	J
1,2,4-Trichlorobenzene	mg/Kg	0.0320	0.019	**58**	67 - 129	0.022	72	17	20	J
Xylene (Total)	mg/Kg	0.0960	0.087	90	78 - 124	0.1	111	16	20	J
1,1,2-Trichlorotrifluoroethan	mg/Kg	0.0320	0.031	97	66 - 136	0.039	128	**23**	20	J
1,4-Dioxane	mg/Kg	0.0320	0.027	83	55 - 138	0.033	108	**21**	20	J
Methyl Cyclohexane	mg/Kg	0.0320	0.03	94	66 - 133	0.037	120	20	20	J
Methyl Acetate	mg/Kg	0.0320	0.031	97	53 - 144	0.037	121	18	20	J
Cyclohexane	mg/Kg	0.0320	0.031	98	67 - 131	0.039	127	**22**	20	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Batch: MSVj/10367 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2411211001, J2411211002, J2411211003, J2411211004, J2411211005, J2411211006, J2411211007

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	80.10	84.40	105	71 - 136	82.40	107	2.30		J
Bromofluorobenzene (S)	ug/L	80.10	81.80	102	79 - 119	78.10	102	4.60		J
Toluene-d8 (S)	ug/L	80.10	77.90	97	85 - 116	74.50	97	4.50		J

QC Result Comments

Method Blank - 5425646 - Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample - 5425647 - Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5425648 - 1,2,4-Trichlorobenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5425648 - 1,2-Dichlorobenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5425648 - 1,3-Dichlorobenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5425648 - Acetone

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5425648 - Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5425649 - 1,1,1-Trichloroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - 1,1,2-Trichlorotrifluoroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - 1,1-Dichloroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - 1,1-Dichloroethylene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - 1,2-Dichloropropane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - 1,4-Dioxane

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Result Comments

Matrix Spike Duplicate - 5425649 - 2-Hexanone

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - 4-Methyl-2-pentanone (MIBK)

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - Benzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - Carbon Disulfide

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - Carbon Tetrachloride

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - Chloroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - Chloroform

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - Chloromethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - Cyclohexane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - Dichlorodifluoromethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - Trichloroethene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - Vinyl Chloride

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - cis-1,2-Dichloroethylene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425649 - trans-1,2-Dichloroethylene

*|MS/MSD recovery and/or RPD is out of criteria

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
CVAj/2537 - DoD SW-846 7471A			
J2411211001	SB-20-6-7	DGMj/8775	SW-846 7471A
J2411211002	SB-19-0-2	DGMj/8775	SW-846 7471A
J2411211003	SB-1-7-8	DGMj/8775	SW-846 7471A
J2411211004	SB-17-6-7	DGMj/8775	SW-846 7471A
J2411211005	SB-17-0-4	DGMj/8775	SW-846 7471A
J2411211006	SB-20-0-4	DGMj/8775	SW-846 7471A
J2411211007	SB-1-0-2	DGMj/8775	SW-846 7471A
GCSj/6743 - DoD SW-846 8141B			
J2411211001	SB-20-6-7	EXTj/9671	DOD EPA 3546
J2411211002	SB-19-0-2	EXTj/9671	DOD EPA 3546
J2411211003	SB-1-7-8	EXTj/9671	DOD EPA 3546
J2411211004	SB-17-6-7	EXTj/9671	DOD EPA 3546
J2411211005	SB-17-0-4	EXTj/9671	DOD EPA 3546
J2411211006	SB-20-0-4	EXTj/9671	DOD EPA 3546
J2411211007	SB-1-0-2	EXTj/9671	DOD EPA 3546
GCSj/6745 - DOD SW-846 8081B			
J2411211001	SB-20-6-7	EXTj/9670	DOD EPA 3546
J2411211002	SB-19-0-2	EXTj/9670	DOD EPA 3546
J2411211003	SB-1-7-8	EXTj/9670	DOD EPA 3546
J2411211004	SB-17-6-7	EXTj/9670	DOD EPA 3546
J2411211005	SB-17-0-4	EXTj/9670	DOD EPA 3546
J2411211006	SB-20-0-4	EXTj/9670	DOD EPA 3546
J2411211007	SB-1-0-2	EXTj/9670	DOD EPA 3546
GCSj/6746 - DoD SW-846 8082A			
J2411211001	SB-20-6-7	EXTj/9672	DOD EPA 3546
J2411211002	SB-19-0-2	EXTj/9672	DOD EPA 3546
J2411211003	SB-1-7-8	EXTj/9672	DOD EPA 3546
J2411211004	SB-17-6-7	EXTj/9672	DOD EPA 3546
J2411211005	SB-17-0-4	EXTj/9672	DOD EPA 3546
J2411211006	SB-20-0-4	EXTj/9672	DOD EPA 3546
J2411211007	SB-1-0-2	EXTj/9672	DOD EPA 3546

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
ICMj/4563 - DoD SW-846 6020A			
J2411211001	SB-20-6-7	DGMj/8735	SW-846 3050B
J2411211002	SB-19-0-2	DGMj/8735	SW-846 3050B
J2411211003	SB-1-7-8	DGMj/8735	SW-846 3050B
J2411211004	SB-17-6-7	DGMj/8735	SW-846 3050B
J2411211005	SB-17-0-4	DGMj/8735	SW-846 3050B
J2411211006	SB-20-0-4	DGMj/8735	SW-846 3050B
J2411211007	SB-1-0-2	DGMj/8735	SW-846 3050B
ICPj/3752 - DoD SW-846 6010C			
J2411211001	SB-20-6-7	DGMj/8757	SW-846 3050B
J2411211002	SB-19-0-2	DGMj/8757	SW-846 3050B
J2411211003	SB-1-7-8	DGMj/8757	SW-846 3050B
J2411211004	SB-17-6-7	DGMj/8757	SW-846 3050B
J2411211005	SB-17-0-4	DGMj/8757	SW-846 3050B
J2411211006	SB-20-0-4	DGMj/8757	SW-846 3050B
J2411211007	SB-1-0-2	DGMj/8757	SW-846 3050B
MSSj/4172 - DoD SW-846 8270D			
J2411211001	SB-20-6-7	EXTj/9685	SW-846 3550B
J2411211002	SB-19-0-2	EXTj/9685	SW-846 3550B
J2411211003	SB-1-7-8	EXTj/9685	SW-846 3550B
J2411211004	SB-17-6-7	EXTj/9685	SW-846 3550B
J2411211005	SB-17-0-4	EXTj/9685	SW-846 3550B
J2411211006	SB-20-0-4	EXTj/9685	SW-846 3550B
J2411211007	SB-1-0-2	EXTj/9685	SW-846 3550B
MSVj/10367 - DoD SW-846 8260C			
J2411211001	SB-20-6-7	MSVj/10366	SW-846 5035
J2411211002	SB-19-0-2	MSVj/10366	SW-846 5035
J2411211003	SB-1-7-8	MSVj/10366	SW-846 5035
J2411211004	SB-17-6-7	MSVj/10366	SW-846 5035
J2411211005	SB-17-0-4	MSVj/10366	SW-846 5035
J2411211006	SB-20-0-4	MSVj/10366	SW-846 5035
J2411211007	SB-1-0-2	MSVj/10366	SW-846 5035

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411211)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCAj/15471 - SM 2540G			
J2411211001	SB-20-6-7		
J2411211002	SB-19-0-2		
J2411211003	SB-1-7-8		
J2411211004	SB-17-6-7		
J2411211005	SB-17-0-4		
J2411211006	SB-20-0-4		
J2411211007	SB-1-0-2		

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☐ **Jacksonville:** 6681 Southpoint Pkwy., FL 32216 • 904.363.9350 • Lab ID: E82574
☐ **Tallahassee:** 2639 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: E811095
☐ **Gainesvil**
☐ **Miramar:**
☐ **Tampa:**

J24111211

Client Name: Aerostar	Project Name: Río Puerto Nuevo
Address:	Project Number:
	PO Number:
Phone:	FDEP Facility No:
FAX:	FDEP Facility Addr:
Contact:	
Sampled By:	Special Instructions:
Standard Rush	
AEL Profile #: 78092	ADaPT EQuIS Other

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	BOTTLE SIZE & TYPE	ANALYSIS REQUIRED: VOC	8270/8081/8082/8141	metals	LABORATORY I.D. NUMBER
							Preservation				
							Field-Filtered?				
	SB-20-6.7		7-25	1210	S	6		Y	X	X	001
	SB-19-0-2		7-25	1500							002
	SB-1-7-8		7-25	1355							003
	SB-17-6.7		7-25	0950							004
	SB-17-0-4		7-25	0930							005
	SB-20-0-4		7-25	1115							006
	SB-1-0-2		7-25	1345	V	V		V	V	V	007

Matrix Code: WW=wastewater, SW=surface water, GW=ground water, DW=drinking water, MW=marine water, O=oil, A=air, SO=soil, SL=sludge

Preservation Code: I=Ice, H=HCl, S=H2SO4, N=HNO3, T=Sodium Thiosulfate, AA=Ascorbic/HCl, AB=Ascorbic/NaOH

Received on Ice ☐ Yes ☐ No ☑ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temp. when received (observed) 4.5 °C Temp. when received (corrected) _____ °C

DCN: AD-D051web Form last revised 07/26/2022 Device used for measuring Temp by unique identifier (circle IR temp gun used) (J: 9A) G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A

	Relinquished by:	Date	Time	Received by:	Date	Time
1	FedEx				8-1-24	0900
2						
3						
4						

FOR DRINKING WATER USE:
(When PWS Information not otherwise supplied) PWS ID: _____
Contact Person: _____
Supplier of Water: _____
Site-Address: _____

Advanced Environmental Labs Inc

Client: AcroStar Project name: Río Puerto Nuevo

Date/Time Rcvd: 8-1-24 0900 Log-In request number: J24111211

Received by: TC Completed by: SC

Cooler/Shipping Information:

Courier: ☐ AEL ☐ Client ☐ UPS ☐ Blue Streak ☑ FedEx ☐ AES ☐ ASAP ☐ Other (describe): _____

Type: ☑ Cooler ☐ Box ☐ Other (describe) _____

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

Cooler ID	1-8				
Temp (°C)	4.5				
Temp taken from	☑ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler
Temp measured with	☐ IR gun S/N 9333779 ☑ Thermometer (enter ID): 54A	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):

Other Information:

Any discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact?	✓		
2. Were custody papers properly included with samples?	✓		
3. Were custody papers properly filled out (ink, signed, match labels)?	✓		
4. Did all bottles arrive in good condition (unbroken)?		✓	
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	✓		
6. Did the sample labels agree with the chain of custody?	✓		
7. Were correct bottles used for the tests indicated?	✓		
8. Were proper sample preservation techniques indicated on the label?	✓		
9. Were samples received within holding times?	✓		
10. Were all VOA vials free of the presence of air bubbles?			✓
11. Have all Soil VOA Vials and Encores been placed in a freezer within 48 hours of collection?		✓	
12. Were samples in direct contact with wet ice? If "No," check one: ☐ NO ICE ☐ BLUE ICE	✓		
13. Was the cooler temperature less than 6°C?	✓		
14. Where pH preservation is required, are sample pHs checked and any anomalies recorded by Sample control? Are all <2 or >10? Note: VOA samples are checked by laboratory analysts.	✓		
15. Was sufficient sample volume provided to perform all tests?	✓		
16. If for Bacteriological testing, were containers supplied by AEL? (See QA officer if answer is no)			✓
17. Were all sample containers provided by AEL? (Other than Bacteriological)	✓		
18. Were samples accepted into the laboratory?	✓		
19. When necessary to split samples into other bottles, is it noted in the comments?	✓		
20. Where Encores received and if so, how many?		✓	

Comments: (Note all sample(s) and container (s)" with a "No" checklist response in this comment section)

One DI vial broken For SB-1-7-8

DCN: AD-D048
Eff date 2/3/10, Last rev 2/3/21

Advanced Environmental Laboratories, Inc.

Work Order: J2411211
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6745

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DOD SW-846 8081B

Preparation: DOD EPA 3546

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration:

The upper control criterion was exceeded for 4,4`-DDD in Continuing Calibration Verification (CCV) standards for analytical batch GCSj: 6742, indicating increased sensitivity. The client samples reported in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.
The lower control criterion was not met for the analytes 4,4`-DDT and Toxaphene in the ending bracketing Continuing Calibration Verification (CCV) standard associated with J2411211001, associated Matrix Spike (MS) and Matrix Spike Duplicate (MSD), J2411211002, J2411211003, J2411211004, J2411211005, J2411211006 and J2411211007 due to difficult sample matrix. The sample matrices caused a low bias for the analytes in question in the original analysis of the samples. The samples were analyzed a second time at a higher dilution to reduce the effects of the sample matrix interferences on the ending bracketing CCV recoveries. The bracketing CCV standard in the re-analysis met QC criteria. The re-analysis results were reported for 4,4`-DDT and Toxaphene.

Blanks:

All acceptance criteria were met.

Surrogates:

The control criteria were exceeded for surrogates Tetrachloro-m-xylene and/or Decachlorobiphenyl in J2411211001, J2411211003, J2411211004, J2411211005, J2411211006 and J2411211007. The associated QC analysis recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outliers were flagged accordingly. No further corrective action was required.

Spikes

The matrix spike duplicate recoveries of 4,4'-DDE for J2411211001 were outside control criteria due to the presence of target analytes in the sample. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential high bias in this matrix. The affected sample is qualified to indicate matrix interference.
The relative percent difference (RPD) for the following analyte(s) in the replicate matrix spike analyses of J2411211001 was outside control criteria: Endrin, 4,4'-DDD. Failing RPD indicates inconsistency in the parent sample matrix. Spike recoveries in the MS, MSD and associated LCS were within acceptable limits, indicating the analytical batch was in control. No further corrective action was needed.

Internal Standard:

All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Samples:	The samples J2411211001, associated Matrix Spike (MS) and Matrix Spike Duplicate (MSD), J2411211002, J2411211003, J2411211004, J2411211005, J2411211006 and J2411211007 were diluted prior to instrumental analysis. The extracts were highly colored and viscous which indicated the need to perform a dilution prior to injection into the instrument.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411211
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 4563

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 6020A

Preparation: SW-846 3050B

IV. Preparation

The Limit of Detection (LOD) for all analytes for J2411211 were elevated due to difficult sample matrix. Due to matrix interferences, the sample were diluted 10X. As a result, the reported limits are elevated on the final report.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes: The matrix spike (MS) and matrix spike duplicate (MSD) recoveries of Thallium for are not calculable due to the spike concentration added being diluted below the LOQ. Recoveries in the Laboratory Control Sample (LCS) were acceptable, which indicates the analytical batch was in control. The post spike (PS) analysis was outside control criteria for Thallium. The data was flagged accordingly.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411211
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 10367

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8260C

Preparation: SW-846 5035

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: The upper control criterion was exceeded for Bromomethane in opening and closing Continuing Calibration Verification (CCV) standards for analytical batch 10367, indicating increased sensitivity. The client samples reported in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. The data were qualified accordingly.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes The matrix spike (MS) recoveries of several target analytes for J2411211004 were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. The affected sample is qualified to indicate matrix interference. The upper control criterion was exceeded for several target analytes in the matrix spike duplicate for J2411211004 in analytical batch 10367. The analytes in question were not detected in the associated client samples. The error associated with elevated recovery equates to a high bias. The quality of the data is not affected. The data were qualified accordingly. The relative percent difference (RPD) for several target analytes in the replicate matrix spike analyses of J2411211004 was outside control criteria. Failing RPD indicates inconsistency in the parent sample matrix. All spike recoveries in the associated LCS were within acceptable limits, indicating the analytical batch was in control. The data were qualified accordingly.

Internal Standard:	All acceptance criteria were met.
Samples:	All acceptance criteria were met.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411211
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 4172

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8270D

Preparation: SW-846 3550B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: The upper control criterion was exceeded for bis(2-Chloroisopropyl)ether in Continuing Calibration Verification (CCV) standards for analytical batch 4172, indicating increased sensitivity. The client samples reported in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.
The upper control criterion was exceeded for Benzo(g,h,i)perylene in the closing Continuing Calibration Verification (CCV). The samples analyzed in this batch that contained the analytes in question, will be reanalyzed under a passing CCV

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes All acceptance criteria were met.

Internal Standard: All acceptance criteria were met.

Samples: The samples J2411211002, 004, 005, 006 and 007 were diluted prior to instrumental analysis. The extracts were highly colored and viscous which indicated the need to perform a dilution prior to injection into the instrument.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411211
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6746

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8082A

Preparation: DOD EPA 3546

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: The control criteria were exceeded for surrogates Tetrachloro-m-xylene and/or Decachlorobiphenyl in J2411211001, J2411211003, J2411211004, J2411211005, J2411211006 and J2411211007. The associated QC analysis recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outliers were flagged accordingly. No further corrective action was required.

Spikes All acceptance criteria were met.

Internal Standard: All acceptance criteria were met.

Samples: The samples J2411211001, associated Matrix Spike (MS) and Matrix Spike Duplicate (MSD), J2411211002, J2411211003, J2411211004, J2411211005, J2411211006 and J2411211007 were diluted prior to instrumental analysis. The extracts were highly colored and viscous which indicated the need to perform a dilution prior to injection into the instrument.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411211
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6743

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: J2411211 was received by the lab past the recommended holding time. The analysis was performed as soon as possible after receipt by the laboratory. The data is qualified to indicate the holding time violation.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8141B

Preparation: DOD EPA 3546

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: The upper control criterion was exceeded for surrogate Tributylphosphate in sample J2411211005, J2411211004, J2411211006, J2411211001, J2411211003, J2411211002, and 5420582LCS. The error associated with an elevated recovery equates to a high bias. The quality of the sample data is not significantly affected, as internal recoveries were within acceptance criteria of the ICAL and are consistent with quality control samples. The outlier surrogates are qualified with a J4 to indicate potential matrix interference

Spikes: The matrix spike (MS) recoveries of Mevinphos and Dimethoate for J2411211004 were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. The affected sample is qualified to indicate matrix interference.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411211
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 15471

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation:	All holding times were met.
Analysis:	All holding times were met.

III. Method

Analysis:	SM 2540G
Preparation:	

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration:	All acceptance criteria were met.
Blanks:	All acceptance criteria were met.
Surrogates:	All acceptance criteria were met.
Spikes	All acceptance criteria were met.
Internal Standard:	All acceptance criteria were met.
Samples:	All acceptance criteria were met.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411211
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 3752

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 6010C

Preparation: SW-846 3050B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes: The matrix spike (MS) and matrix spike duplicate (MSD) recoveries of multiple analytes for J2411211001 were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) were acceptable, which indicates the analytical batch was in control. The post spike (PS) analysis was outside control criteria for multiple analytes. The data was flagged accordingly.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc
6681 Southpoint Pkwy Jacksonville, FL 32216
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

August 28, 2024

Rick Levin
Aerostar SES LLC (ASL)
3550 St Johns Bluff Road South
Jacksonville, FL 32224

RE: Workorder: J2411336 Bechara Lands/Rio Puerto Nuevo

Dear Rick Levin:

Enclosed are the analytical results for sample(s) received by the laboratory between Saturday August 3, 2024 and Monday August 5, 2024. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christina M. Tompkins

Chris Tompkins, Project Manager
CTompkins@aellab.com

Certificate of Analysis

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
J2411336001	SB-2-0-2	SO	DOD SW-846 8081B	08/01/2024 11:05	08/05/2024 09:00	22	Dry
J2411336001	SB-2-0-2	SO	DoD SW-846 6010C	08/01/2024 11:05	08/05/2024 09:00	11	Dry
J2411336001	SB-2-0-2	SO	DoD SW-846 6020A	08/01/2024 11:05	08/05/2024 09:00	1	Dry
J2411336001	SB-2-0-2	SO	DoD SW-846 7471A	08/01/2024 11:05	08/05/2024 09:00	1	Dry
J2411336001	SB-2-0-2	SO	DoD SW-846 8082A	08/01/2024 11:05	08/05/2024 09:00	9	Dry
J2411336001	SB-2-0-2	SO	DoD SW-846 8141B	08/01/2024 11:05	08/05/2024 09:00	25	Dry
J2411336001	SB-2-0-2	SO	DoD SW-846 8260C	08/01/2024 11:05	08/05/2024 09:00	49	Dry
J2411336001	SB-2-0-2	SO	DoD SW-846 8270D	08/01/2024 11:05	08/05/2024 09:00	65	Dry
J2411336001	SB-2-0-2	SO	SM 2540G	08/01/2024 11:05	08/05/2024 09:00	1	Dry
J2411336002	SB-2-7-8	SO	DOD SW-846 8081B	08/01/2024 11:40	08/03/2024 09:00	22	Dry
J2411336002	SB-2-7-8	SO	DoD SW-846 6010C	08/01/2024 11:40	08/03/2024 09:00	11	Dry
J2411336002	SB-2-7-8	SO	DoD SW-846 6020A	08/01/2024 11:40	08/03/2024 09:00	1	Dry
J2411336002	SB-2-7-8	SO	DoD SW-846 7471A	08/01/2024 11:40	08/03/2024 09:00	1	Dry
J2411336002	SB-2-7-8	SO	DoD SW-846 8082A	08/01/2024 11:40	08/03/2024 09:00	9	Dry
J2411336002	SB-2-7-8	SO	DoD SW-846 8141B	08/01/2024 11:40	08/03/2024 09:00	25	Dry
J2411336002	SB-2-7-8	SO	DoD SW-846 8260C	08/01/2024 11:40	08/03/2024 09:00	49	Dry
J2411336002	SB-2-7-8	SO	DoD SW-846 8270D	08/01/2024 11:40	08/03/2024 09:00	65	Dry
J2411336002	SB-2-7-8	SO	SM 2540G	08/01/2024 11:40	08/03/2024 09:00	1	Dry
J2411336003	SB-6-0-2	SO	DOD SW-846 8081B	08/01/2024 12:45	08/03/2024 09:00	22	Dry
J2411336003	SB-6-0-2	SO	DoD SW-846 6010C	08/01/2024 12:45	08/03/2024 09:00	11	Dry
J2411336003	SB-6-0-2	SO	DoD SW-846 6020A	08/01/2024 12:45	08/03/2024 09:00	1	Dry
J2411336003	SB-6-0-2	SO	DoD SW-846 7471A	08/01/2024 12:45	08/03/2024 09:00	1	Dry
J2411336003	SB-6-0-2	SO	DoD SW-846 8082A	08/01/2024 12:45	08/03/2024 09:00	9	Dry
J2411336003	SB-6-0-2	SO	DoD SW-846 8141B	08/01/2024 12:45	08/03/2024 09:00	25	Dry
J2411336003	SB-6-0-2	SO	DoD SW-846 8260C	08/01/2024 12:45	08/03/2024 09:00	49	Dry
J2411336003	SB-6-0-2	SO	DoD SW-846 8270D	08/01/2024 12:45	08/03/2024 09:00	65	Dry
J2411336003	SB-6-0-2	SO	SM 2540G	08/01/2024 12:45	08/03/2024 09:00	1	Dry
J2411336004	SB-6-5-6	SO	DOD SW-846 8081B	08/01/2024 13:15	08/03/2024 09:00	22	Dry
J2411336004	SB-6-5-6	SO	DoD SW-846 6010C	08/01/2024 13:15	08/03/2024 09:00	11	Dry
J2411336004	SB-6-5-6	SO	DoD SW-846 6020A	08/01/2024 13:15	08/03/2024 09:00	1	Dry
J2411336004	SB-6-5-6	SO	DoD SW-846 7471A	08/01/2024 13:15	08/03/2024 09:00	1	Dry
J2411336004	SB-6-5-6	SO	DoD SW-846 8082A	08/01/2024 13:15	08/03/2024 09:00	9	Dry
J2411336004	SB-6-5-6	SO	DoD SW-846 8141B	08/01/2024 13:15	08/03/2024 09:00	25	Dry
J2411336004	SB-6-5-6	SO	DoD SW-846 8260C	08/01/2024 13:15	08/03/2024 09:00	49	Dry
J2411336004	SB-6-5-6	SO	DoD SW-846 8270D	08/01/2024 13:15	08/03/2024 09:00	65	Dry

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
J2411336004	SB-6-5-6	SO	SM 2540G	08/01/2024 13:15	08/03/2024 09:00	1	Dry

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Workorder Summary

Analysis Results Comments

J2411336002 (SB-2-7-8) - Mercury

J2411336002 was analyzed at dilution due to high mercury levels. The lowest possible dilution was performed to allow the analyte value to be within the calibration curve's highest level and to prevent possible carry over in the following sample analyses.

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results Qualifiers

Parameter Qualifiers

U	The compound was analyzed for but not detected.
J	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
Q	One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
J	The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Lab Qualifiers

J	DOH Certification #E82574 (FL NELAC) AEL-Jacksonville DOD-ELAP Certification #L23-514 (ISO/IEC 17025:2017) AEL-Jacksonville

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336001 **Date Collected:** 08/01/2024 11:05 **Matrix:** Soil
Sample ID: SB-2-0-2 **Date Received:** 08/05/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.4U	mg/Kg	0.71	1.4	2.8	1	08/07/2024 11:06	08/07/2024 21:58	J
Beryllium	0.41J	mg/Kg	0.14	0.28	0.57	1	08/07/2024 11:06	08/07/2024 21:58	J
Chromium	**46**	mg/Kg	0.28	0.57	1.1	1	08/07/2024 11:06	08/07/2024 21:58	J
Lead	1.4U	mg/Kg	0.71	1.4	2.8	1	08/07/2024 11:06	08/07/2024 21:58	J
Selenium	2.8U	mg/Kg	1.4	2.8	5.7	1	08/07/2024 11:06	08/07/2024 21:58	J
Zinc	**66**	mg/Kg	14	28	57	1	08/07/2024 11:06	08/07/2024 21:58	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.12J	mg/Kg	0.062	0.12	0.25	10	08/19/2024 07:05	08/19/2024 12:07	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.041**	mg/Kg	0.0018	0.0036	0.0072	1	08/12/2024 10:19	08/12/2024 15:37	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	08/07/2024 10:00	08/14/2024 23:31	J
4,4`-DDE	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	08/07/2024 10:00	08/14/2024 23:31	J
4,4`-DDT	0.0040U	mg/Kg	0.0020	0.0040	0.0080	1	08/07/2024 10:00	08/14/2024 23:31	J
Aldrin	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	08/07/2024 10:00	08/14/2024 23:31	J
Chlordane (technical)	0.036U	mg/Kg	0.018	0.036	0.072	1	08/07/2024 10:00	08/14/2024 23:31	J
Dieldrin	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	08/07/2024 10:00	08/14/2024 23:31	J
Endosulfan I	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	08/07/2024 10:00	08/14/2024 23:31	J
Endosulfan II	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	08/07/2024 10:00	08/14/2024 23:31	J
Endosulfan Sulfate	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	08/07/2024 10:00	08/14/2024 23:31	J
Endrin	0.0040U	mg/Kg	0.0020	0.0040	0.0080	1	08/07/2024 10:00	08/14/2024 23:31	J
Endrin Aldehyde	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	08/07/2024 10:00	08/14/2024 23:31	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336001 **Date Collected:** 08/01/2024 11:05 **Matrix:** Soil
Sample ID: SB-2-0-2 **Date Received:** 08/05/2024 09:00

Parameter									
Endrin ketone	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	08/07/2024 10:00	08/14/2024 23:31	J
Heptachlor Epoxide	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	08/07/2024 10:00	08/14/2024 23:31	J
Toxaphene	0.060U	mg/Kg	0.030	0.060	0.12	1	08/07/2024 10:00	08/14/2024 23:31	J
alpha-Chlordane	0.0040U	mg/Kg	0.0030	0.0040	0.0080	1	08/07/2024 10:00	08/14/2024 23:31	J
delta-BHC	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	08/07/2024 10:00	08/14/2024 23:31	J
gamma-Chlordane	0.0040U	mg/Kg	0.0020	0.0040	0.0080	1	08/07/2024 10:00	08/14/2024 23:31	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.060U	mg/Kg	0.030	0.060					
Aroclor 1221 (PCB-1221)	0.060U	mg/Kg	0.030	0.060	0.12	1	08/07/2024 10:00	08/15/2024 06:44	J
Aroclor 1232 (PCB-1232)	0.060U	mg/Kg	0.030	0.060	0.12	1	08/07/2024 10:00	08/15/2024 06:44	J
Aroclor 1242 (PCB-1242)	0.060U	mg/Kg	0.030	0.060	0.12	1	08/07/2024 10:00	08/15/2024 06:44	J
Aroclor 1248 (PCB-1248)	0.060U	mg/Kg	0.030	0.060	0.12	1	08/07/2024 10:00	08/15/2024 06:44	J
Aroclor 1254 (PCB-1254)	0.060U	mg/Kg	0.030	0.060	0.12	1	08/07/2024 10:00	08/15/2024 06:44	J
Aroclor 1260 (PCB-1260)	0.060U	mg/Kg	0.030	0.060	0.12	1	08/07/2024 10:00	08/15/2024 06:44	J
Aroclor 1262 (PCB-1262)	0.060U	mg/Kg	0.030	0.060	0.12	1	08/07/2024 10:00	08/15/2024 06:44	J
Aroclor 1268 (PCB-1268)	0.060U	mg/Kg	0.030	0.060	0.12	1	08/07/2024 10:00	08/15/2024 06:44	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	40U	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J
Azinphos-methyl	40U	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J
Chlorpyrifos	40U	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J
Chlorpyrifos-methyl	40U	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J
Demeton	56J	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336001 **Date Collected:** 08/01/2024 11:05 **Matrix:** Soil
Sample ID: SB-2-0-2 **Date Received:** 08/05/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton-O	**56**	ug/Kg	10	20	40	1	08/07/2024 10:00	08/13/2024 06:00	J
Demeton-S	20U	ug/Kg	10	20	40	1	08/07/2024 10:00	08/13/2024 06:00	J
Diazinon	40U	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J
Dimethoate	40U	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J
Disulfoton	40U	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J
Ethion	40U	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J
Ethoprop	40U	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J
Famphur	40U	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J
Fensulfothion	40U	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J
Fonophos	40U	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J
Malathion	40U	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J
Merphos	40U	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J
Methyl Parathion	40U	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J
Mevinphos	40U	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J
Parathion (Ethyl)	40U	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J
Phorate	40U	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J
Phosmet	40U	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J
Ronnel	40U	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J
Simazine	40U	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J
Sulfotep	40U	ug/Kg	20	40	80	1	08/07/2024 10:00	08/13/2024 06:00	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
2,4,6-Trichlorophenol	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
2,4-Dichlorophenol	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
2,4-Dimethylphenol	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
2,4-Dinitrophenol	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
2,4-Dinitrotoluene (2,4-DNT)	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336001 **Date Collected:** 08/01/2024 11:05 **Matrix:** Soil
Sample ID: SB-2-0-2 **Date Received:** 08/05/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,6-Dinitrotoluene (2,6-DNT)	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
2-Chloronaphthalene	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 18:36	J
2-Chlorophenol	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
2-Methyl-4,6-dinitrophenol	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
2-Methylnaphthalene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 18:36	J
2-Methylphenol (o-Cresol)	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 18:36	J
2-Nitroaniline	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
2-Nitrophenol	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
3+4-Methylphenol(mp-Cresol)	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 18:36	J
3,3`-Dichlorobenzidine	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
3-Nitroaniline	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 18:36	J
4-Bromophenyl Phenyl Ether	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
4-Chloro-3-methylphenol	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
4-Chloroaniline	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
4-Chlorophenyl Phenyl Ether	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
4-Nitroaniline	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 18:36	J
4-Nitrophenol	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 18:36	J
Acenaphthene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 18:36	J
Acenaphthylene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 18:36	J
Acetophenone	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
Anthracene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 18:36	J
Atrazine	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/14/2024 16:05	J
Benzaldehyde	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
Benzo[a]anthracene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 18:36	J
Benzo[a]pyrene	0.022U	mg/Kg	0.011	0.022	0.044	1	08/12/2024 06:00	08/12/2024 18:36	J
Benzo[b]fluoranthene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 18:36	J
Benzo[g,h,i]perylene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 18:36	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336001 **Date Collected:** 08/01/2024 11:05 **Matrix:** Soil
Sample ID: SB-2-0-2 **Date Received:** 08/05/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[k]fluoranthene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 18:36	J
Biphenyl	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 18:36	J
Butyl benzyl phthalate	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 18:36	J
Caprolactam	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
Carbazole	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 18:36	J
Chrysene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 18:36	J
Di-n-Butyl Phthalate	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 18:36	J
Di-n-octyl Phthalate	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 18:36	J
Dibenzo[a,h]anthracene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 18:36	J
Dibenzofuran	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 18:36	J
Diethyl phthalate	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 18:36	J
Dimethyl phthalate	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
Fluoranthene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 18:36	J
Fluorene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 18:36	J
Hexachlorobenzene	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
Hexachlorobutadiene	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
Hexachlorocyclopentadiene	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
Hexachloroethane	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
Indeno(1,2,3-cd)pyrene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 18:36	J
Isophorone	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
N-Nitrosodi-n-propylamine	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
N-Nitrosodiphenylamine	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
Naphthalene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 18:36	J
Nitrobenzene	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 18:36	J
Pentachlorophenol	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
Phenanthrene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 18:36	J
Phenol	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 18:36	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336001 **Date Collected:** 08/01/2024 11:05 **Matrix:** Soil
Sample ID: SB-2-0-2 **Date Received:** 08/05/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Pyrene	0.014U	mg/Kg	0.0069	0.014	0.028	1	08/12/2024 06:00	08/12/2024 18:36	J
bis(2-Chloroethoxy)methane	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 18:36	J
bis(2-Chloroethyl)Ether	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
bis(2-Chloroisopropyl) Ether	0.23U	mg/Kg	0.12	0.23	0.46	1	08/12/2024 06:00	08/12/2024 18:36	J
bis(2-Ethylhexyl) phthalate	0.46U	mg/Kg	0.23	0.46	0.92	1	08/12/2024 06:00	08/12/2024 18:36	J
(SM 2540G)									
Percent Moisture	**26**	%		0.0010	0.0010	1	08/08/2024 16:08	08/08/2024 16:08	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
1,1,2,2-Tetrachloroethane	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
1,1,2-Trichloroethane	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
1,1,2-Trichlorotrifluoroethane	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
1,1-Dichloroethane	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
1,1-Dichloroethylene	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
1,2,4-Trichlorobenzene	0.0018U	mg/Kg	0.00090	0.0018	0.0036	1	08/12/2024 07:41	08/12/2024 10:41	J
1,2-Dibromo-3-Chloropropane	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
1,2-Dichlorobenzene	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
1,2-Dichloroethane	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
1,2-Dichloropropane	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
1,3-Dichlorobenzene	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
1,4-Dichlorobenzene	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
1,4-Dioxane	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
2-Butanone (MEK)	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
2-Hexanone	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336001 **Date Collected:** 08/01/2024 11:05 **Matrix:** Soil
Sample ID: SB-2-0-2 **Date Received:** 08/05/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
4-Methyl-2-pentanone (MIBK)	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Acetone	0.0036U	mg/Kg	0.0018	0.0036	0.0071	1	08/08/2024 01:33	08/08/2024 04:07	J
Benzene	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Bromodichloromethane	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Bromoform	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Bromomethane	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Carbon Disulfide	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Carbon Tetrachloride	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Chlorobenzene	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Chloroethane	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Chloroform	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Chloromethane	0.0036U	mg/Kg	0.0018	0.0036	0.0071	1	08/08/2024 01:33	08/08/2024 04:07	J
Cyclohexane	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Dibromochloromethane	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Dichlorodifluoromethane	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Ethylbenzene	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Ethylene Dibromide (EDB)	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Isopropylbenzene	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Methyl Acetate	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Methyl Cyclohexane	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Methyl tert-butyl Ether (MTBE)	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Methylene Chloride	0.0036U	mg/Kg	0.0018	0.0036	0.0071	1	08/08/2024 01:33	08/08/2024 04:07	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336001 **Date Collected:** 08/01/2024 11:05 **Matrix:** Soil
Sample ID: SB-2-0-2 **Date Received:** 08/05/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Styrene	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Tetrachloroethylene (PCE)	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Toluene	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Trichloroethene	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Trichlorofluoromethane	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Vinyl Chloride	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
Xylene (Total)	0.0054U	mg/Kg	0.0027	0.0054	0.011	1	08/08/2024 01:33	08/08/2024 04:07	J
cis-1,2-Dichloroethylene	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
cis-1,3-Dichloropropene	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
trans-1,2-Dichloroethylene	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J
trans-1,3-Dichloropropylene	0.0018U	mg/Kg	0.00089	0.0018	0.0036	1	08/08/2024 01:33	08/08/2024 04:07	J

Analysis Results Comments

1,1-Dichloroethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

1,1-Dichloroethylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

1,2,4-Trichlorobenzene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

1,2-Dichloropropane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

2,4-Dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Analysis Results Comments

Antimony

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Arsenic

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Beryllium

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Cadmium

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Chloroethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Chloromethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Chromium

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Copper

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Cyclohexane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Dichlorodifluoromethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Hexachlorocyclopentadiene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lead

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Nickel

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Selenium

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Silver

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Analysis Results Comments

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Thallium

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Trichlorofluoromethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Vinyl Chloride

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Zinc

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

cis-1,2-Dichloroethylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

trans-1,2-Dichloroethylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	43.70	54.40	124	71 - 136	J
Toluene-d8 (S)	ug/Kg	43.70	42.40	97	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	43.70	47.60	109	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0732	0.0998	136	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1460	0.2060	**141**	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1690	1350	80	39 - 132	J
Phenol-d6 (S)	ug/Kg	1690	1250	74	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1690	1310	77	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1690	1270	75	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1690	1310	77	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1690	1340	79	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1690	1440	85	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1690	1490	88	50 - 150	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/Kg	0.0732	0.0835	114	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1460	0.1760	120	42 - 129	J
Tributylphosphate (S)	ug/Kg	146	152	104	63 - 111	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336002 **Date Collected:** 08/01/2024 11:40 **Matrix:** Soil
Sample ID: SB-2-7-8 **Date Received:** 08/03/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.2U	mg/Kg	0.61	1.2	2.4	1	08/07/2024 11:06	08/07/2024 22:08	J
Beryllium	0.24U	mg/Kg	0.12	0.24	0.49	1	08/07/2024 11:06	08/07/2024 22:08	J
Chromium	**26**	mg/Kg	0.24	0.49	0.97	1	08/07/2024 11:06	08/07/2024 22:08	J
Lead	**290**	mg/Kg	1.2	2.4	4.9	2	08/07/2024 11:06	08/09/2024 03:21	J
Selenium	2.4U	mg/Kg	1.2	2.4	4.9	1	08/07/2024 11:06	08/07/2024 22:08	J
Zinc	**560**	mg/Kg	12	24	49	1	08/07/2024 11:06	08/07/2024 22:08	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.12U	mg/Kg	0.060	0.12	0.24	10	08/19/2024 07:05	08/19/2024 12:25	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**1.4**	mg/Kg	0.0080	0.016	0.032	5	08/12/2024 10:19	08/12/2024 15:54	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.020U	mg/Kg	0.0098	0.020	0.039	10	08/07/2024 10:00	08/15/2024 02:16	J
4,4`-DDE	0.028J	mg/Kg	0.0098	0.020	0.039	10	08/07/2024 10:00	08/15/2024 02:16	J
4,4`-DDT	0.20U	mg/Kg	0.098	0.20	0.39	50	08/07/2024 10:00	08/18/2024 02:25	J
Aldrin	0.020U	mg/Kg	0.0098	0.020	0.039	10	08/07/2024 10:00	08/15/2024 02:16	J
Chlordane (technical)	0.35U	mg/Kg	0.18	0.35	0.70	10	08/07/2024 10:00	08/15/2024 02:16	J
Dieldrin	0.020U	mg/Kg	0.0098	0.020	0.039	10	08/07/2024 10:00	08/15/2024 02:16	J
Endosulfan I	0.020U	mg/Kg	0.0098	0.020	0.039	10	08/07/2024 10:00	08/15/2024 02:16	J
Endosulfan II	0.020U	mg/Kg	0.0098	0.020	0.039	10	08/07/2024 10:00	08/15/2024 02:16	J
Endosulfan Sulfate	0.020U	mg/Kg	0.0098	0.020	0.039	10	08/07/2024 10:00	08/15/2024 02:16	J
Endrin	0.039U	mg/Kg	0.020	0.039	0.078	10	08/07/2024 10:00	08/15/2024 02:16	J
Endrin Aldehyde	0.020U	mg/Kg	0.0098	0.020	0.039	10	08/07/2024 10:00	08/15/2024 02:16	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336002 **Date Collected:** 08/01/2024 11:40 **Matrix:** Soil
Sample ID: SB-2-7-8 **Date Received:** 08/03/2024 09:00

Parameter									
Endrin ketone	0.020U	mg/Kg	0.0098	0.020	0.039	10	08/07/2024 10:00	08/15/2024 02:16	J
Heptachlor Epoxide	0.020U	mg/Kg	0.0098	0.020	0.039	10	08/07/2024 10:00	08/15/2024 02:16	J
Toxaphene	0.59U	mg/Kg	0.29	0.59	1.2	10	08/07/2024 10:00	08/15/2024 02:16	J
alpha-Chlordane	0.039U	mg/Kg	0.029	0.039	0.078	10	08/07/2024 10:00	08/15/2024 02:16	J
delta-BHC	0.020U	mg/Kg	0.0098	0.020	0.039	10	08/07/2024 10:00	08/15/2024 02:16	J
gamma-Chlordane	0.039U	mg/Kg	0.020	0.039	0.078	10	08/07/2024 10:00	08/15/2024 02:16	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.59U	mg/Kg	0.29	0.59					
Aroclor 1221 (PCB-1221)	0.59U	mg/Kg	0.29	0.59	1.2	10	08/07/2024 10:00	08/15/2024 05:00	J
Aroclor 1232 (PCB-1232)	0.59U	mg/Kg	0.29	0.59	1.2	10	08/07/2024 10:00	08/15/2024 05:00	J
Aroclor 1242 (PCB-1242)	0.59U	mg/Kg	0.29	0.59	1.2	10	08/07/2024 10:00	08/15/2024 05:00	J
Aroclor 1248 (PCB-1248)	0.59U	mg/Kg	0.29	0.59	1.2	10	08/07/2024 10:00	08/15/2024 05:00	J
Aroclor 1254 (PCB-1254)	0.59U	mg/Kg	0.29	0.59	1.2	10	08/07/2024 10:00	08/15/2024 05:00	J
Aroclor 1260 (PCB-1260)	**1.5**	mg/Kg	0.29	0.59	1.2	10	08/07/2024 10:00	08/15/2024 05:00	J
Aroclor 1262 (PCB-1262)	0.59U	mg/Kg	0.29	0.59	1.2	10	08/07/2024 10:00	08/15/2024 05:00	J
Aroclor 1268 (PCB-1268)	0.59U	mg/Kg	0.29	0.59	1.2	10	08/07/2024 10:00	08/15/2024 05:00	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J
Azinphos-methyl	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J
Chlorpyrifos	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J
Chlorpyrifos-methyl	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J
Demeton	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336002 **Date Collected:** 08/01/2024 11:40 **Matrix:** Soil
Sample ID: SB-2-7-8 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton-O	98U	ug/Kg	49	98	200	5	08/07/2024 10:00	08/13/2024 06:30	J
Demeton-S	98U	ug/Kg	49	98	200	5	08/07/2024 10:00	08/13/2024 06:30	J
Diazinon	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J
Dimethoate	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J
Disulfoton	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J
Ethion	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J
Ethoprop	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J
Famphur	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J
Fensulfothion	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J
Fonophos	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J
Malathion	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J
Merphos	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J
Methyl Parathion	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J
Mevinphos	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J
Parathion (Ethyl)	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J
Phorate	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J
Phosmet	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J
Ronnel	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J
Simazine	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J
Sulfotep	200U	ug/Kg	98	200	390	5	08/07/2024 10:00	08/13/2024 06:30	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
2,4,6-Trichlorophenol	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
2,4-Dichlorophenol	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
2,4-Dimethylphenol	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
2,4-Dinitrophenol	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
2,4-Dinitrotoluene (2,4-DNT)	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336002 **Date Collected:** 08/01/2024 11:40 **Matrix:** Soil
Sample ID: SB-2-7-8 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,6-Dinitrotoluene (2,6-DNT)	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
2-Chloronaphthalene	1.7U	mg/Kg	0.84	1.7	3.4	4	08/12/2024 06:00	08/12/2024 23:11	J
2-Chlorophenol	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
2-Methyl-4,6-dinitrophenol	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
2-Methylnaphthalene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/12/2024 06:00	08/12/2024 23:11	J
2-Methylphenol (o-Cresol)	1.7U	mg/Kg	0.84	1.7	3.4	4	08/12/2024 06:00	08/12/2024 23:11	J
2-Nitroaniline	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
2-Nitrophenol	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
3+4-Methylphenol(mp-Cresol)	1.7U	mg/Kg	0.84	1.7	3.4	4	08/12/2024 06:00	08/12/2024 23:11	J
3,3`-Dichlorobenzidine	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
3-Nitroaniline	1.7U	mg/Kg	0.84	1.7	3.4	4	08/12/2024 06:00	08/12/2024 23:11	J
4-Bromophenyl Phenyl Ether	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
4-Chloro-3-methylphenol	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
4-Chloroaniline	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
4-Chlorophenyl Phenyl Ether	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
4-Nitroaniline	1.7U	mg/Kg	0.84	1.7	3.4	4	08/12/2024 06:00	08/12/2024 23:11	J
4-Nitrophenol	1.7U	mg/Kg	0.84	1.7	3.4	4	08/12/2024 06:00	08/12/2024 23:11	J
Acenaphthene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/12/2024 06:00	08/12/2024 23:11	J
Acenaphthylene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/12/2024 06:00	08/12/2024 23:11	J
Acetophenone	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
Anthracene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/12/2024 06:00	08/12/2024 23:11	J
Atrazine	1.7U	mg/Kg	0.84	1.7	3.4	4	08/12/2024 06:00	08/14/2024 19:30	J
Benzaldehyde	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
Benzo[a]anthracene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/12/2024 06:00	08/12/2024 23:11	J
Benzo[a]pyrene	0.081U	mg/Kg	0.040	0.081	0.16	4	08/12/2024 06:00	08/12/2024 23:11	J
Benzo[b]fluoranthene	0.027J	mg/Kg	0.025	0.050	0.10	4	08/12/2024 06:00	08/12/2024 23:11	J
Benzo[g,h,i]perylene	0.028J	mg/Kg	0.025	0.050	0.10	4	08/12/2024 06:00	08/12/2024 23:11	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336002 **Date Collected:** 08/01/2024 11:40 **Matrix:** Soil
Sample ID: SB-2-7-8 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[k]fluoranthene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/12/2024 06:00	08/12/2024 23:11	J
Biphenyl	1.7U	mg/Kg	0.84	1.7	3.4	4	08/12/2024 06:00	08/12/2024 23:11	J
Butyl benzyl phthalate	1.7U	mg/Kg	0.84	1.7	3.4	4	08/12/2024 06:00	08/12/2024 23:11	J
Caprolactam	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
Carbazole	0.050U	mg/Kg	0.025	0.050	0.10	4	08/12/2024 06:00	08/12/2024 23:11	J
Chrysene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/12/2024 06:00	08/12/2024 23:11	J
Di-n-Butyl Phthalate	1.7U	mg/Kg	0.84	1.7	3.4	4	08/12/2024 06:00	08/12/2024 23:11	J
Di-n-octyl Phthalate	1.7U	mg/Kg	0.84	1.7	3.4	4	08/12/2024 06:00	08/12/2024 23:11	J
Dibenzo[a,h]anthracene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/12/2024 06:00	08/12/2024 23:11	J
Dibenzofuran	0.050U	mg/Kg	0.025	0.050	0.10	4	08/12/2024 06:00	08/12/2024 23:11	J
Diethyl phthalate	1.7U	mg/Kg	0.84	1.7	3.4	4	08/12/2024 06:00	08/12/2024 23:11	J
Dimethyl phthalate	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
Fluoranthene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/12/2024 06:00	08/12/2024 23:11	J
Fluorene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/12/2024 06:00	08/12/2024 23:11	J
Hexachlorobenzene	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
Hexachlorobutadiene	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
Hexachlorocyclopentadiene	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
Hexachloroethane	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
Indeno(1,2,3-cd)pyrene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/12/2024 06:00	08/12/2024 23:11	J
Isophorone	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
N-Nitrosodi-n-propylamine	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
N-Nitrosodiphenylamine	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
Naphthalene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/12/2024 06:00	08/12/2024 23:11	J
Nitrobenzene	1.7U	mg/Kg	0.84	1.7	3.4	4	08/12/2024 06:00	08/12/2024 23:11	J
Pentachlorophenol	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
Phenanthrene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/12/2024 06:00	08/12/2024 23:11	J
Phenol	1.7U	mg/Kg	0.84	1.7	3.4	4	08/12/2024 06:00	08/12/2024 23:11	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336002 **Date Collected:** 08/01/2024 11:40 **Matrix:** Soil
Sample ID: SB-2-7-8 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Pyrene	0.050U	mg/Kg	0.025	0.050	0.10	4	08/12/2024 06:00	08/12/2024 23:11	J
bis(2-Chloroethoxy)methane	1.7U	mg/Kg	0.84	1.7	3.4	4	08/12/2024 06:00	08/12/2024 23:11	J
bis(2-Chloroethyl)Ether	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
bis(2-Chloroisopropyl) Ether	0.84U	mg/Kg	0.42	0.84	1.7	4	08/12/2024 06:00	08/12/2024 23:11	J
bis(2-Ethylhexyl) phthalate	3.3J	mg/Kg	0.84	1.7	3.4	4	08/12/2024 06:00	08/12/2024 23:11	J
(SM 2540G)									
Percent Moisture	**20**	%		0.0010	0.0010	1	08/08/2024 16:08	08/08/2024 16:08	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
1,1,2,2-Tetrachloroethane	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
1,1,2-Trichloroethane	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
1,1,2-Trichlorotrifluoroethane	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
1,1-Dichloroethane	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
1,1-Dichloroethylene	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
1,2,4-Trichlorobenzene	0.0020U	mg/Kg	0.0010	0.0020	0.0040	1	08/12/2024 07:41	08/12/2024 11:06	J
1,2-Dibromo-3-Chloropropane	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
1,2-Dichlorobenzene	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
1,2-Dichloroethane	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
1,2-Dichloropropane	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
1,3-Dichlorobenzene	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
1,4-Dichlorobenzene	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
1,4-Dioxane	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
2-Butanone (MEK)	0.0016J	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
2-Hexanone	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
4-Methyl-2-pentanone (MIBK)	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Acetone	**0.061**	mg/Kg	0.0021	0.0042	0.0084	1	08/08/2024 01:33	08/08/2024 04:33	J
Benzene	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336002 **Date Collected:** 08/01/2024 11:40 **Matrix:** Soil
Sample ID: SB-2-7-8 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Bromodichloromethane	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Bromoform	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Bromomethane	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Carbon Disulfide	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Carbon Tetrachloride	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Chlorobenzene	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Chloroethane	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Chloroform	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Chloromethane	0.0042U	mg/Kg	0.0021	0.0042	0.0084	1	08/08/2024 01:33	08/08/2024 04:33	J
Cyclohexane	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Dibromochloromethane	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Dichlorodifluoromethane	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Ethylbenzene	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Ethylene Dibromide (EDB)	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Isopropylbenzene	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Methyl Acetate	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Methyl Cyclohexane	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Methyl tert-butyl Ether (MTBE)	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Methylene Chloride	0.0042U	mg/Kg	0.0021	0.0042	0.0084	1	08/08/2024 01:33	08/08/2024 04:33	J
Styrene	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Tetrachloroethylene (PCE)	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Toluene	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Trichloroethene	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Trichlorofluoromethane	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Vinyl Chloride	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
Xylene (Total)	0.0063U	mg/Kg	0.0031	0.0063	0.013	1	08/08/2024 01:33	08/08/2024 04:33	J
cis-1,2-Dichloroethylene	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336002 **Date Collected:** 08/01/2024 11:40 **Matrix:** Soil
Sample ID: SB-2-7-8 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,3-Dichloropropene	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
trans-1,2-Dichloroethylene	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J
trans-1,3-Dichloropropylene	0.0021U	mg/Kg	0.0010	0.0021	0.0042	1	08/08/2024 01:33	08/08/2024 04:33	J

Analysis Results Comments

1,1-Dichloroethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

1,1-Dichloroethylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

1,2,4-Trichlorobenzene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

1,2-Dichloropropane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

2,4-Dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Chloroethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Chloromethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Cyclohexane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Dichlorodifluoromethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Analysis Results Comments

Hexachlorocyclopentadiene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Trichlorofluoromethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Vinyl Chloride

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

cis-1,2-Dichloroethylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

trans-1,2-Dichloroethylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	55.40	64.10	116	71 - 136	J
Toluene-d8 (S)	ug/Kg	55.40	53.20	96	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	55.40	60.40	109	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0778	0.1210	**156**	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1560	0.2280	**146**	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1670	1340	80	39 - 132	J
Phenol-d6 (S)	ug/Kg	1670	1310	79	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1670	1400	84	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1670	1310	78	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1670	1320	79	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1670	1490	89	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1670	1440	86	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1670	1690	101	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0778	0.1260	**162**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1560	0.2580	**166**	42 - 129	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	ug/Kg	156	150	97	63 - 111	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336003 **Date Collected:** 08/01/2024 12:45 **Matrix:** Soil
Sample ID: SB-6-0-2 **Date Received:** 08/03/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.4U	mg/Kg	0.69	1.4	2.8	1	08/07/2024 11:06	08/07/2024 22:12	J
Beryllium	0.28U	mg/Kg	0.14	0.28	0.55	1	08/07/2024 11:06	08/07/2024 22:12	J
Chromium	**50**	mg/Kg	0.28	0.55	1.1	1	08/07/2024 11:06	08/07/2024 22:12	J
Lead	**9.4**	mg/Kg	0.69	1.4	2.8	1	08/07/2024 11:06	08/07/2024 22:12	J
Selenium	2.8U	mg/Kg	1.4	2.8	5.5	1	08/07/2024 11:06	08/07/2024 22:12	J
Zinc	**89**	mg/Kg	14	28	55	1	08/07/2024 11:06	08/07/2024 22:12	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.14J	mg/Kg	0.068	0.14	0.27	10	08/19/2024 07:05	08/19/2024 12:28	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.20**	mg/Kg	0.0018	0.0035	0.0070	1	08/12/2024 10:19	08/12/2024 15:42	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.021U	mg/Kg	0.011	0.021	0.043	10	08/07/2024 10:00	08/14/2024 23:51	J
4,4`-DDE	0.021U	mg/Kg	0.011	0.021	0.043	10	08/07/2024 10:00	08/14/2024 23:51	J
4,4`-DDT	0.043U	mg/Kg	0.021	0.043	0.086	10	08/07/2024 10:00	08/14/2024 23:51	J
Aldrin	0.021U	mg/Kg	0.011	0.021	0.043	10	08/07/2024 10:00	08/14/2024 23:51	J
Chlordane (technical)	0.39U	mg/Kg	0.19	0.39	0.77	10	08/07/2024 10:00	08/14/2024 23:51	J
Dieldrin	0.021U	mg/Kg	0.011	0.021	0.043	10	08/07/2024 10:00	08/14/2024 23:51	J
Endosulfan I	0.021U	mg/Kg	0.011	0.021	0.043	10	08/07/2024 10:00	08/14/2024 23:51	J
Endosulfan II	0.021U	mg/Kg	0.011	0.021	0.043	10	08/07/2024 10:00	08/14/2024 23:51	J
Endosulfan Sulfate	0.021U	mg/Kg	0.011	0.021	0.043	10	08/07/2024 10:00	08/14/2024 23:51	J
Endrin	0.043U	mg/Kg	0.021	0.043	0.086	10	08/07/2024 10:00	08/14/2024 23:51	J
Endrin Aldehyde	0.021U	mg/Kg	0.011	0.021	0.043	10	08/07/2024 10:00	08/14/2024 23:51	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336003 **Date Collected:** 08/01/2024 12:45 **Matrix:** Soil
Sample ID: SB-6-0-2 **Date Received:** 08/03/2024 09:00

Parameter									
Endrin ketone	0.021U	mg/Kg	0.011	0.021	0.043	10	08/07/2024 10:00	08/14/2024 23:51	J
Heptachlor Epoxide	0.021U	mg/Kg	0.011	0.021	0.043	10	08/07/2024 10:00	08/14/2024 23:51	J
Toxaphene	0.64U	mg/Kg	0.32	0.64	1.3	10	08/07/2024 10:00	08/14/2024 23:51	J
alpha-Chlordane	0.043U	mg/Kg	0.032	0.043	0.086	10	08/07/2024 10:00	08/14/2024 23:51	J
delta-BHC	0.021U	mg/Kg	0.011	0.021	0.043	10	08/07/2024 10:00	08/14/2024 23:51	J
gamma-Chlordane	0.043U	mg/Kg	0.021	0.043	0.086	10	08/07/2024 10:00	08/14/2024 23:51	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.64U	mg/Kg	0.32	0.64					
Aroclor 1221 (PCB-1221)	0.64U	mg/Kg	0.32	0.64	1.3	10	08/07/2024 10:00	08/15/2024 05:21	J
Aroclor 1232 (PCB-1232)	0.64U	mg/Kg	0.32	0.64	1.3	10	08/07/2024 10:00	08/15/2024 05:21	J
Aroclor 1242 (PCB-1242)	0.64U	mg/Kg	0.32	0.64	1.3	10	08/07/2024 10:00	08/15/2024 05:21	J
Aroclor 1248 (PCB-1248)	0.64U	mg/Kg	0.32	0.64	1.3	10	08/07/2024 10:00	08/15/2024 05:21	J
Aroclor 1254 (PCB-1254)	0.64U	mg/Kg	0.32	0.64	1.3	10	08/07/2024 10:00	08/15/2024 05:21	J
Aroclor 1260 (PCB-1260)	0.64U	mg/Kg	0.32	0.64	1.3	10	08/07/2024 10:00	08/15/2024 05:21	J
Aroclor 1262 (PCB-1262)	0.64U	mg/Kg	0.32	0.64	1.3	10	08/07/2024 10:00	08/15/2024 05:21	J
Aroclor 1268 (PCB-1268)	0.64U	mg/Kg	0.32	0.64	1.3	10	08/07/2024 10:00	08/15/2024 05:21	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J
Azinphos-methyl	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J
Chlorpyrifos	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J
Chlorpyrifos-methyl	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J
Demeton	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336003 **Date Collected:** 08/01/2024 12:45 **Matrix:** Soil
Sample ID: SB-6-0-2 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton-O	21U	ug/Kg	11	21	43	1	08/07/2024 10:00	08/13/2024 07:01	J
Demeton-S	21U	ug/Kg	11	21	43	1	08/07/2024 10:00	08/13/2024 07:01	J
Diazinon	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J
Dimethoate	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J
Disulfoton	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J
Ethion	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J
Ethoprop	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J
Famphur	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J
Fensulfothion	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J
Fonophos	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J
Malathion	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J
Merphos	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J
Methyl Parathion	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J
Mevinphos	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J
Parathion (Ethyl)	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J
Phorate	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J
Phosmet	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J
Ronnel	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J
Simazine	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J
Sulfotep	43U	ug/Kg	21	43	86	1	08/07/2024 10:00	08/13/2024 07:01	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
2,4,6-Trichlorophenol	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
2,4-Dichlorophenol	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
2,4-Dimethylphenol	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
2,4-Dinitrophenol	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
2,4-Dinitrotoluene (2,4-DNT)	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336003 **Date Collected:** 08/01/2024 12:45 **Matrix:** Soil
Sample ID: SB-6-0-2 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,6-Dinitrotoluene (2,6-DNT)	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
2-Chloronaphthalene	0.47U	mg/Kg	0.23	0.47	0.93	1	08/12/2024 06:00	08/12/2024 20:34	J
2-Chlorophenol	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
2-Methyl-4,6-dinitrophenol	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
2-Methylnaphthalene	0.014U	mg/Kg	0.0070	0.014	0.028	1	08/12/2024 06:00	08/12/2024 20:34	J
2-Methylphenol (o-Cresol)	0.47U	mg/Kg	0.23	0.47	0.93	1	08/12/2024 06:00	08/12/2024 20:34	J
2-Nitroaniline	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
2-Nitrophenol	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
3+4-Methylphenol(mp-Cresol)	0.47U	mg/Kg	0.23	0.47	0.93	1	08/12/2024 06:00	08/12/2024 20:34	J
3,3`-Dichlorobenzidine	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
3-Nitroaniline	0.47U	mg/Kg	0.23	0.47	0.93	1	08/12/2024 06:00	08/12/2024 20:34	J
4-Bromophenyl Phenyl Ether	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
4-Chloro-3-methylphenol	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
4-Chloroaniline	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
4-Chlorophenyl Phenyl Ether	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
4-Nitroaniline	0.47U	mg/Kg	0.23	0.47	0.93	1	08/12/2024 06:00	08/12/2024 20:34	J
4-Nitrophenol	0.47U	mg/Kg	0.23	0.47	0.93	1	08/12/2024 06:00	08/12/2024 20:34	J
Acenaphthene	0.014U	mg/Kg	0.0070	0.014	0.028	1	08/12/2024 06:00	08/12/2024 20:34	J
Acenaphthylene	0.014U	mg/Kg	0.0070	0.014	0.028	1	08/12/2024 06:00	08/12/2024 20:34	J
Acetophenone	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
Anthracene	0.014U	mg/Kg	0.0070	0.014	0.028	1	08/12/2024 06:00	08/12/2024 20:34	J
Atrazine	0.47U	mg/Kg	0.23	0.47	0.93	1	08/12/2024 06:00	08/14/2024 16:48	J
Benzaldehyde	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
Benzo[a]anthracene	0.0087J	mg/Kg	0.0070	0.014	0.028	1	08/12/2024 06:00	08/12/2024 20:34	J
Benzo[a]pyrene	0.022U	mg/Kg	0.011	0.022	0.045	1	08/12/2024 06:00	08/12/2024 20:34	J
Benzo[b]fluoranthene	0.011J	mg/Kg	0.0070	0.014	0.028	1	08/12/2024 06:00	08/12/2024 20:34	J
Benzo[g,h,i]perylene	0.0077J	mg/Kg	0.0070	0.014	0.028	1	08/12/2024 06:00	08/12/2024 20:34	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336003 **Date Collected:** 08/01/2024 12:45 **Matrix:** Soil
Sample ID: SB-6-0-2 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[k]fluoranthene	0.014U	mg/Kg	0.0070	0.014	0.028	1	08/12/2024 06:00	08/12/2024 20:34	J
Biphenyl	0.47U	mg/Kg	0.23	0.47	0.93	1	08/12/2024 06:00	08/12/2024 20:34	J
Butyl benzyl phthalate	0.47U	mg/Kg	0.23	0.47	0.93	1	08/12/2024 06:00	08/12/2024 20:34	J
Caprolactam	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
Carbazole	0.014U	mg/Kg	0.0070	0.014	0.028	1	08/12/2024 06:00	08/12/2024 20:34	J
Chrysene	0.011J	mg/Kg	0.0070	0.014	0.028	1	08/12/2024 06:00	08/12/2024 20:34	J
Di-n-Butyl Phthalate	0.47U	mg/Kg	0.23	0.47	0.93	1	08/12/2024 06:00	08/12/2024 20:34	J
Di-n-octyl Phthalate	0.47U	mg/Kg	0.23	0.47	0.93	1	08/12/2024 06:00	08/12/2024 20:34	J
Dibenzo[a,h]anthracene	0.014U	mg/Kg	0.0070	0.014	0.028	1	08/12/2024 06:00	08/12/2024 20:34	J
Dibenzofuran	0.014U	mg/Kg	0.0070	0.014	0.028	1	08/12/2024 06:00	08/12/2024 20:34	J
Diethyl phthalate	0.47U	mg/Kg	0.23	0.47	0.93	1	08/12/2024 06:00	08/12/2024 20:34	J
Dimethyl phthalate	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
Fluoranthene	0.011J	mg/Kg	0.0070	0.014	0.028	1	08/12/2024 06:00	08/12/2024 20:34	J
Fluorene	0.014U	mg/Kg	0.0070	0.014	0.028	1	08/12/2024 06:00	08/12/2024 20:34	J
Hexachlorobenzene	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
Hexachlorobutadiene	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
Hexachlorocyclopentadiene	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
Hexachloroethane	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
Indeno(1,2,3-cd)pyrene	0.014U	mg/Kg	0.0070	0.014	0.028	1	08/12/2024 06:00	08/12/2024 20:34	J
Isophorone	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
N-Nitrosodi-n-propylamine	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
N-Nitrosodiphenylamine	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
Naphthalene	0.014U	mg/Kg	0.0070	0.014	0.028	1	08/12/2024 06:00	08/12/2024 20:34	J
Nitrobenzene	0.47U	mg/Kg	0.23	0.47	0.93	1	08/12/2024 06:00	08/12/2024 20:34	J
Pentachlorophenol	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
Phenanthrene	0.014U	mg/Kg	0.0070	0.014	0.028	1	08/12/2024 06:00	08/12/2024 20:34	J
Phenol	0.47U	mg/Kg	0.23	0.47	0.93	1	08/12/2024 06:00	08/12/2024 20:34	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336003 **Date Collected:** 08/01/2024 12:45 **Matrix:** Soil
Sample ID: SB-6-0-2 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Pyrene	0.012J	mg/Kg	0.0070	0.014	0.028	1	08/12/2024 06:00	08/12/2024 20:34	J
bis(2-Chloroethoxy)methane	0.47U	mg/Kg	0.23	0.47	0.93	1	08/12/2024 06:00	08/12/2024 20:34	J
bis(2-Chloroethyl)Ether	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
bis(2-Chloroisopropyl) Ether	0.23U	mg/Kg	0.12	0.23	0.47	1	08/12/2024 06:00	08/12/2024 20:34	J
bis(2-Ethylhexyl) phthalate	0.47U	mg/Kg	0.23	0.47	0.93	1	08/12/2024 06:00	08/12/2024 20:34	J
(SM 2540G)									
Percent Moisture	**28**	%		0.0010	0.0010	1	08/08/2024 16:08	08/08/2024 16:08	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
1,1,2,2-Tetrachloroethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
1,1,2-Trichloroethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
1,1,2-Trichlorotrifluoroethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
1,1-Dichloroethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
1,1-Dichloroethylene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
1,2,4-Trichlorobenzene	0.0019U	mg/Kg	0.00097	0.0019	0.0039	1	08/12/2024 07:41	08/12/2024 11:32	J
1,2-Dibromo-3-Chloropropane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
1,2-Dichlorobenzene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
1,2-Dichloroethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
1,2-Dichloropropane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
1,3-Dichlorobenzene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
1,4-Dichlorobenzene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
1,4-Dioxane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
2-Butanone (MEK)	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
2-Hexanone	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336003 **Date Collected:** 08/01/2024 12:45 **Matrix:** Soil
Sample ID: SB-6-0-2 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
4-Methyl-2-pentanone (MIBK)	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Acetone	0.0038J	mg/Kg	0.0020	0.0040	0.0079	1	08/08/2024 01:33	08/08/2024 04:59	J
Benzene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Bromodichloromethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Bromoform	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Bromomethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Carbon Disulfide	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Carbon Tetrachloride	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Chlorobenzene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Chloroethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Chloroform	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Chloromethane	0.0040U	mg/Kg	0.0020	0.0040	0.0079	1	08/08/2024 01:33	08/08/2024 04:59	J
Cyclohexane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Dibromochloromethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Dichlorodifluoromethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Ethylbenzene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Ethylene Dibromide (EDB)	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Isopropylbenzene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Methyl Acetate	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Methyl Cyclohexane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Methyl tert-butyl Ether (MTBE)	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Methylene Chloride	0.0040U	mg/Kg	0.0020	0.0040	0.0079	1	08/08/2024 01:33	08/08/2024 04:59	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336003 **Date Collected:** 08/01/2024 12:45 **Matrix:** Soil
Sample ID: SB-6-0-2 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Styrene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Tetrachloroethylene (PCE)	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Toluene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Trichloroethene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Trichlorofluoromethane	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Vinyl Chloride	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
Xylene (Total)	0.0060U	mg/Kg	0.0030	0.0060	0.012	1	08/08/2024 01:33	08/08/2024 04:59	J
cis-1,2-Dichloroethylene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
cis-1,3-Dichloropropene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
trans-1,2-Dichloroethylene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J
trans-1,3-Dichloropropylene	0.0020U	mg/Kg	0.00099	0.0020	0.0040	1	08/08/2024 01:33	08/08/2024 04:59	J

Analysis Results Comments

1,1-Dichloroethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

1,1-Dichloroethylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

1,2,4-Trichlorobenzene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

1,2-Dichloropropane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

2,4-Dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Analysis Results Comments

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Chloroethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Chloromethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Cyclohexane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Dichlorodifluoromethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Hexachlorocyclopentadiene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Trichlorofluoromethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Vinyl Chloride

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

cis-1,2-Dichloroethylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

trans-1,2-Dichloroethylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	47.90	57.70	120	71 - 136	J
Toluene-d8 (S)	ug/Kg	47.90	45.30	95	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	47.90	52	109	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0775	0.1160	**149**	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1550	0.2050	**132**	44 - 130	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	ug/Kg	1690	1530	91	39 - 132	J
Phenol-d6 (S)	ug/Kg	1690	1360	81	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1690	1400	83	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1690	1350	80	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1690	1360	80	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1690	1410	83	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1690	1470	87	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1690	1690	100	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0775	0.1240	**160**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1550	0.2040	**132**	42 - 129	J
Tributylphosphate (S)	ug/Kg	155	134	87	63 - 111	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336004 **Date Collected:** 08/01/2024 13:15 **Matrix:** Soil
Sample ID: SB-6-5-6 **Date Received:** 08/03/2024 09:00

Parameter									
METALS (SW-846 3050B/DoD SW-846 6010C)									
Antimony	1.6U	mg/Kg	0.78	1.6	3.1	1	08/07/2024 11:06	08/07/2024 22:16	J
Beryllium	0.31U	mg/Kg	0.16	0.31	0.63	1	08/07/2024 11:06	08/07/2024 22:16	J
Chromium	**30**	mg/Kg	0.31	0.63	1.3	1	08/07/2024 11:06	08/07/2024 22:16	J
Lead	1.6U	mg/Kg	0.78	1.6	3.1	1	08/07/2024 11:06	08/07/2024 22:16	J
Selenium	3.1U	mg/Kg	1.6	3.1	6.3	1	08/07/2024 11:06	08/07/2024 22:16	J
Zinc	61J	mg/Kg	16	31	63	1	08/07/2024 11:06	08/07/2024 22:16	J
METALS (SW-846 3050B/DoD SW-846 6020A)									
Thallium	0.12J	mg/Kg	0.078	0.16	0.31	10	08/19/2024 07:05	08/19/2024 12:32	J
METALS (SW-846 7471A/DoD SW-846 7471A)									
Mercury	**0.13**	mg/Kg	0.0019	0.0037	0.0075	1	08/12/2024 10:19	08/12/2024 15:51	J
SEMIVOLATILES (DOD EPA 3546/DOD SW-846 8081B)									
4,4`-DDD	0.026U	mg/Kg	0.013	0.026	0.051	10	08/07/2024 10:00	08/15/2024 00:54	J
4,4`-DDE	0.026U	mg/Kg	0.013	0.026	0.051	10	08/07/2024 10:00	08/15/2024 00:54	J
4,4`-DDT	0.051U	mg/Kg	0.026	0.051	0.10	10	08/07/2024 10:00	08/15/2024 00:54	J
Aldrin	0.026U	mg/Kg	0.013	0.026	0.051	10	08/07/2024 10:00	08/15/2024 00:54	J
Chlordane (technical)	0.46U	mg/Kg	0.23	0.46	0.92	10	08/07/2024 10:00	08/15/2024 00:54	J
Dieldrin	0.026U	mg/Kg	0.013	0.026	0.051	10	08/07/2024 10:00	08/15/2024 00:54	J
Endosulfan I	0.026U	mg/Kg	0.013	0.026	0.051	10	08/07/2024 10:00	08/15/2024 00:54	J
Endosulfan II	0.026U	mg/Kg	0.013	0.026	0.051	10	08/07/2024 10:00	08/15/2024 00:54	J
Endosulfan Sulfate	0.026U	mg/Kg	0.013	0.026	0.051	10	08/07/2024 10:00	08/15/2024 00:54	J
Endrin	0.051U	mg/Kg	0.026	0.051	0.10	10	08/07/2024 10:00	08/15/2024 00:54	J
Endrin Aldehyde	0.026U	mg/Kg	0.013	0.026	0.051	10	08/07/2024 10:00	08/15/2024 00:54	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336004 **Date Collected:** 08/01/2024 13:15 **Matrix:** Soil
Sample ID: SB-6-5-6 **Date Received:** 08/03/2024 09:00

Parameter									
Endrin ketone	0.026U	mg/Kg	0.013	0.026	0.051	10	08/07/2024 10:00	08/15/2024 00:54	J
Heptachlor Epoxide	0.026U	mg/Kg	0.013	0.026	0.051	10	08/07/2024 10:00	08/15/2024 00:54	J
Toxaphene	0.77U	mg/Kg	0.38	0.77	1.5	10	08/07/2024 10:00	08/15/2024 00:54	J
alpha-Chlordane	0.051U	mg/Kg	0.038	0.051	0.10	10	08/07/2024 10:00	08/15/2024 00:54	J
delta-BHC	0.026U	mg/Kg	0.013	0.026	0.051	10	08/07/2024 10:00	08/15/2024 00:54	J
gamma-Chlordane	0.051U	mg/Kg	0.026	0.051	0.10	10	08/07/2024 10:00	08/15/2024 00:54	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.77U	mg/Kg	0.38	0.77					
Aroclor 1221 (PCB-1221)	0.77U	mg/Kg	0.38	0.77	1.5	10	08/07/2024 10:00	08/15/2024 06:23	J
Aroclor 1232 (PCB-1232)	0.77U	mg/Kg	0.38	0.77	1.5	10	08/07/2024 10:00	08/15/2024 06:23	J
Aroclor 1242 (PCB-1242)	0.77U	mg/Kg	0.38	0.77	1.5	10	08/07/2024 10:00	08/15/2024 06:23	J
Aroclor 1248 (PCB-1248)	0.77U	mg/Kg	0.38	0.77	1.5	10	08/07/2024 10:00	08/15/2024 06:23	J
Aroclor 1254 (PCB-1254)	0.77U	mg/Kg	0.38	0.77	1.5	10	08/07/2024 10:00	08/15/2024 06:23	J
Aroclor 1260 (PCB-1260)	0.77U	mg/Kg	0.38	0.77	1.5	10	08/07/2024 10:00	08/15/2024 06:23	J
Aroclor 1262 (PCB-1262)	0.77U	mg/Kg	0.38	0.77	1.5	10	08/07/2024 10:00	08/15/2024 06:23	J
Aroclor 1268 (PCB-1268)	0.77U	mg/Kg	0.38	0.77	1.5	10	08/07/2024 10:00	08/15/2024 06:23	J
SEMIVOLATILES (DOD EPA 3546/DoD SW-846 8141B)									
Atrazine	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J
Azinphos-methyl	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J
Chlorpyrifos	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J
Chlorpyrifos-methyl	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J
Demeton	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336004 **Date Collected:** 08/01/2024 13:15 **Matrix:** Soil
Sample ID: SB-6-5-6 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton-O	26U	ug/Kg	13	26	51	1	08/07/2024 10:00	08/13/2024 07:32	J
Demeton-S	26U	ug/Kg	13	26	51	1	08/07/2024 10:00	08/13/2024 07:32	J
Diazinon	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J
Dimethoate	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J
Disulfoton	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J
Ethion	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J
Ethoprop	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J
Famphur	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J
Fensulfothion	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J
Fonophos	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J
Malathion	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J
Merphos	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J
Methyl Parathion	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J
Mevinphos	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J
Parathion (Ethyl)	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J
Phorate	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J
Phosmet	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J
Ronnel	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J
Simazine	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J
Sulfotep	51U	ug/Kg	26	51	100	1	08/07/2024 10:00	08/13/2024 07:32	J
SEMIVOLATILES (SW-846 3550B/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
2,4,6-Trichlorophenol	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
2,4-Dichlorophenol	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
2,4-Dimethylphenol	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
2,4-Dinitrophenol	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
2,4-Dinitrotoluene (2,4-DNT)	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336004 **Date Collected:** 08/01/2024 13:15 **Matrix:** Soil
Sample ID: SB-6-5-6 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,6-Dinitrotoluene (2,6-DNT)	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
2-Chloronaphthalene	0.54U	mg/Kg	0.27	0.54	1.1	1	08/12/2024 06:00	08/12/2024 21:13	J
2-Chlorophenol	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
2-Methyl-4,6-dinitrophenol	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
2-Methylnaphthalene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/12/2024 06:00	08/12/2024 21:13	J
2-Methylphenol (o-Cresol)	0.54U	mg/Kg	0.27	0.54	1.1	1	08/12/2024 06:00	08/12/2024 21:13	J
2-Nitroaniline	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
2-Nitrophenol	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
3+4-Methylphenol(mp-Cresol)	0.54U	mg/Kg	0.27	0.54	1.1	1	08/12/2024 06:00	08/12/2024 21:13	J
3,3`-Dichlorobenzidine	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
3-Nitroaniline	0.54U	mg/Kg	0.27	0.54	1.1	1	08/12/2024 06:00	08/12/2024 21:13	J
4-Bromophenyl Phenyl Ether	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
4-Chloro-3-methylphenol	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
4-Chloroaniline	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
4-Chlorophenyl Phenyl Ether	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
4-Nitroaniline	0.54U	mg/Kg	0.27	0.54	1.1	1	08/12/2024 06:00	08/12/2024 21:13	J
4-Nitrophenol	0.54U	mg/Kg	0.27	0.54	1.1	1	08/12/2024 06:00	08/12/2024 21:13	J
Acenaphthene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/12/2024 06:00	08/12/2024 21:13	J
Acenaphthylene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/12/2024 06:00	08/12/2024 21:13	J
Acetophenone	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
Anthracene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/12/2024 06:00	08/12/2024 21:13	J
Atrazine	0.54U	mg/Kg	0.27	0.54	1.1	1	08/12/2024 06:00	08/14/2024 17:29	J
Benzaldehyde	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
Benzo[a]anthracene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/12/2024 06:00	08/12/2024 21:13	J
Benzo[a]pyrene	0.026U	mg/Kg	0.013	0.026	0.052	1	08/12/2024 06:00	08/12/2024 21:13	J
Benzo[b]fluoranthene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/12/2024 06:00	08/12/2024 21:13	J
Benzo[g,h,i]perylene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/12/2024 06:00	08/12/2024 21:13	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336004 **Date Collected:** 08/01/2024 13:15 **Matrix:** Soil
Sample ID: SB-6-5-6 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[k]fluoranthene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/12/2024 06:00	08/12/2024 21:13	J
Biphenyl	0.54U	mg/Kg	0.27	0.54	1.1	1	08/12/2024 06:00	08/12/2024 21:13	J
Butyl benzyl phthalate	0.54U	mg/Kg	0.27	0.54	1.1	1	08/12/2024 06:00	08/12/2024 21:13	J
Caprolactam	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
Carbazole	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/12/2024 06:00	08/12/2024 21:13	J
Chrysene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/12/2024 06:00	08/12/2024 21:13	J
Di-n-Butyl Phthalate	0.54U	mg/Kg	0.27	0.54	1.1	1	08/12/2024 06:00	08/12/2024 21:13	J
Di-n-octyl Phthalate	0.54U	mg/Kg	0.27	0.54	1.1	1	08/12/2024 06:00	08/12/2024 21:13	J
Dibenzo[a,h]anthracene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/12/2024 06:00	08/12/2024 21:13	J
Dibenzofuran	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/12/2024 06:00	08/12/2024 21:13	J
Diethyl phthalate	0.54U	mg/Kg	0.27	0.54	1.1	1	08/12/2024 06:00	08/12/2024 21:13	J
Dimethyl phthalate	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
Fluoranthene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/12/2024 06:00	08/12/2024 21:13	J
Fluorene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/12/2024 06:00	08/12/2024 21:13	J
Hexachlorobenzene	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
Hexachlorobutadiene	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
Hexachlorocyclopentadiene	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
Hexachloroethane	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
Indeno(1,2,3-cd)pyrene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/12/2024 06:00	08/12/2024 21:13	J
Isophorone	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
N-Nitrosodi-n-propylamine	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
N-Nitrosodiphenylamine	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
Naphthalene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/12/2024 06:00	08/12/2024 21:13	J
Nitrobenzene	0.54U	mg/Kg	0.27	0.54	1.1	1	08/12/2024 06:00	08/12/2024 21:13	J
Pentachlorophenol	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
Phenanthrene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/12/2024 06:00	08/12/2024 21:13	J
Phenol	0.54U	mg/Kg	0.27	0.54	1.1	1	08/12/2024 06:00	08/12/2024 21:13	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336004 **Date Collected:** 08/01/2024 13:15 **Matrix:** Soil
Sample ID: SB-6-5-6 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Pyrene	0.016U	mg/Kg	0.0081	0.016	0.032	1	08/12/2024 06:00	08/12/2024 21:13	J
bis(2-Chloroethoxy)methane	0.54U	mg/Kg	0.27	0.54	1.1	1	08/12/2024 06:00	08/12/2024 21:13	J
bis(2-Chloroethyl)Ether	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
bis(2-Chloroisopropyl) Ether	0.27U	mg/Kg	0.14	0.27	0.54	1	08/12/2024 06:00	08/12/2024 21:13	J
bis(2-Ethylhexyl) phthalate	0.54U	mg/Kg	0.27	0.54	1.1	1	08/12/2024 06:00	08/12/2024 21:13	J
(SM 2540G)									
Percent Moisture	**38**	%		0.0010	0.0010	1	08/08/2024 16:08	08/08/2024 16:08	J
VOLATILES (SW-846 5035/DoD SW-846 8260C)									
1,1,1-Trichloroethane	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
1,1,2,2-Tetrachloroethane	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
1,1,2-Trichloroethane	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
1,1,2-Trichlorotrifluoroethane	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
1,1-Dichloroethane	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
1,1-Dichloroethylene	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
1,2,4-Trichlorobenzene	0.0025U	mg/Kg	0.0013	0.0025	0.0050	1	08/12/2024 07:41	08/12/2024 11:58	J
1,2-Dibromo-3-Chloropropane	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
1,2-Dichlorobenzene	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
1,2-Dichloroethane	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
1,2-Dichloropropane	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
1,3-Dichlorobenzene	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
1,4-Dichlorobenzene	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
1,4-Dioxane	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
2-Butanone (MEK)	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
2-Hexanone	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
4-Methyl-2-pentanone (MIBK)	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Acetone	**0.086**	mg/Kg	0.0025	0.0050	0.0099	1	08/08/2024 01:33	08/08/2024 05:24	J
Benzene	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336004 **Date Collected:** 08/01/2024 13:15 **Matrix:** Soil
Sample ID: SB-6-5-6 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Bromodichloromethane	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Bromoform	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Bromomethane	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Carbon Disulfide	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Carbon Tetrachloride	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Chlorobenzene	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Chloroethane	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Chloroform	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Chloromethane	0.0050U	mg/Kg	0.0025	0.0050	0.0099	1	08/08/2024 01:33	08/08/2024 05:24	J
Cyclohexane	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Dibromochloromethane	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Dichlorodifluoromethane	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Ethylbenzene	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Ethylene Dibromide (EDB)	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Isopropylbenzene	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Methyl Acetate	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Methyl Cyclohexane	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Methyl tert-butyl Ether (MTBE)	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Methylene Chloride	0.0050U	mg/Kg	0.0025	0.0050	0.0099	1	08/08/2024 01:33	08/08/2024 05:24	J
Styrene	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Tetrachloroethylene (PCE)	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Toluene	0.0043J	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Trichloroethene	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Trichlorofluoromethane	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Vinyl Chloride	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
Xylene (Total)	0.0075U	mg/Kg	0.0037	0.0075	0.015	1	08/08/2024 01:33	08/08/2024 05:24	J
cis-1,2-Dichloroethylene	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Lab ID: J2411336004 **Date Collected:** 08/01/2024 13:15 **Matrix:** Soil
Sample ID: SB-6-5-6 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,3-Dichloropropene	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
trans-1,2-Dichloroethylene	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J
trans-1,3-Dichloropropylene	0.0025U	mg/Kg	0.0012	0.0025	0.0050	1	08/08/2024 01:33	08/08/2024 05:24	J

Analysis Results Comments

1,1-Dichloroethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

1,1-Dichloroethylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

1,2,4-Trichlorobenzene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

1,2-Dichloropropane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

2,4-Dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Chloroethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Chloromethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Cyclohexane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Dichlorodifluoromethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Analysis Results Comments

Hexachlorocyclopentadiene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Trichlorofluoromethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Vinyl Chloride

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

cis-1,2-Dichloroethylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

trans-1,2-Dichloroethylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	51.30	62.90	122	71 - 136	J
Toluene-d8 (S)	ug/Kg	51.30	49.30	96	85 - 116	J
Bromofluorobenzene (S)	ug/Kg	51.30	55.30	108	79 - 119	J
Decachlorobiphenyl (S)	mg/Kg	0.0790	0.1350	**171**	61 - 147	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1580	0.2690	**170**	44 - 130	J
2,4,6-Tribromophenol (S)	ug/Kg	1670	1500	89	39 - 132	J
Phenol-d6 (S)	ug/Kg	1670	1310	78	33 - 122	J
2-Fluorobiphenyl (S)	ug/Kg	1670	1350	81	44 - 115	J
2-Fluorophenol (S)	ug/Kg	1670	1310	78	35 - 115	J
Nitrobenzene-d5 (S)	ug/Kg	1670	1310	78	37 - 122	J
2-Methylnaphthalene-d10 (S)	ug/Kg	1670	1340	80	50 - 150	J
p-Terphenyl-d14 (S)	ug/Kg	1670	1390	83	54 - 127	J
Fluoranthene-d10 (S)	ug/Kg	1670	1610	96	50 - 150	J
Decachlorobiphenyl (S)	mg/Kg	0.0790	0.1240	**157**	60 - 130	J
Tetrachloro-m-xylene (S)	mg/Kg	0.1580	0.32	**203**	42 - 129	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	ug/Kg	158	157	99	63 - 111	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Results

QC Batch: CVAj/2537 **Analysis Method:** DoD SW-846 7471A
Preparation Method: SW-846 7471A
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Method Blank(5429582)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Mercury	0.0025U	mg/Kg	0.0012	0.0025	0.0050	J

Lab Control Sample (5429583)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Mercury	mg/Kg	0.10	0.083	83	80 - 124	J

Matrix Spike (5429584); Matrix Spike Duplicate (5429585); Original (J2411208010); Parent Lab Sample (J2411208010)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Mercury	mg/Kg	0.0970	0.16	113	80 - 124	0.16	110	2.50	20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Results

QC Batch: GCSj/6777 **Analysis Method:** DoD SW-846 8141B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Method Blank(5426247)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Mevinphos	31U	ug/Kg	15	31	61	J
Demeton	31U	ug/Kg	15	31	61	J
Ethoprop	31U	ug/Kg	15	31	61	J
Phorate	31U	ug/Kg	15	31	61	J
Diazinon	31U	ug/Kg	15	31	61	J
Disulfoton	31U	ug/Kg	15	31	61	J
Ronnel	31U	ug/Kg	15	31	61	J
Methyl Parathion	31U	ug/Kg	15	31	61	J
Chlorpyrifos	31U	ug/Kg	15	31	61	J
Merphos	31U	ug/Kg	15	31	61	J
Fensulfothion	31U	ug/Kg	15	31	61	J
Azinphos-methyl	31U	ug/Kg	15	31	61	J
Sulfotep	31U	ug/Kg	15	31	61	J
Dimethoate	31U	ug/Kg	15	31	61	J
Fonophos	31U	ug/Kg	15	31	61	J
Chlorpyrifos-methyl	31U	ug/Kg	15	31	61	J
Malathion	31U	ug/Kg	15	31	61	J
Parathion (Ethyl)	31U	ug/Kg	15	31	61	J
Ethion	31U	ug/Kg	15	31	61	J
Famphur	31U	ug/Kg	15	31	61	J
Phosmet	31U	ug/Kg	15	31	61	J
Atrazine	31U	ug/Kg	15	31	61	J
Simazine	31U	ug/Kg	15	31	61	J
Demeton-S	15U	ug/Kg	7.7	15	31	J
Demeton-O	15U	ug/Kg	7.7	15	31	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	mg/L	0.1530	0.1540	100	63 - 111	J

Lab Control Sample (5426248)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Mevinphos	ug/Kg	81	100	127	56 - 150	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Batch: GCSj/6777 **Analysis Method:** DoD SW-846 8141B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Demeton	ug/Kg	81	85	105	43 - 117	J
Ethoprop	ug/Kg	81	89	110	47 - 128	J
Phorate	ug/Kg	81	84	104	23 - 142	J
Diazinon	ug/Kg	81	69	85	42 - 134	J
Disulfoton	ug/Kg	81	96	118	28 - 145	J
Ronnel	ug/Kg	81	84	103	45 - 138	J
Methyl Parathion	ug/Kg	81	86	106	49 - 138	J
Chlorpyrifos	ug/Kg	81	87	108	47 - 140	J
Merphos	ug/Kg	81	85	105	33 - 180	J
Fensulfothion	ug/Kg	81	78	96	27 - 147	J
Azinphos-methyl	ug/Kg	81	88	108	38 - 156	J
Sulfotep	ug/Kg	81	88	109	52 - 126	J
Dimethoate	ug/Kg	81	37	45	16 - 139	J
Fonophos	ug/Kg	81	95	117	47 - 137	J
Chlorpyrifos-methyl	ug/Kg	81	86	106	55 - 130	J
Malathion	ug/Kg	81	86	107	49 - 138	J
Parathion (Ethyl)	ug/Kg	81	87	107	50 - 139	J
Ethion	ug/Kg	81	87	108	59 - 140	J
Famphur	ug/Kg	81	87	108	47 - 134	J
Phosmet	ug/Kg	81	87	108	63 - 146	J
Atrazine	ug/Kg	81	81	100	20 - 179	J
Simazine	ug/Kg	81	73	90	44 - 142	J
Demeton-S	ug/Kg	40	43	107	43 - 117	J
Demeton-O	ug/Kg	40	42	103	43 - 117	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	mg/L	0.1620	0.1580	97	63 - 111	J

Matrix Spike (5426254); Matrix Spike Duplicate (5426255); Original (J2411336003); Parent Lab Sample (J2411336003)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Mevinphos	ug/Kg	80	86	108	56 - 150	88	111	1.40	30	J
Demeton	ug/Kg	80	75	93	43 - 117	70	89	6.60	30	J
Ethoprop	ug/Kg	80	77	96	47 - 128	76	97	1.30	30	J
Phorate	ug/Kg	80	69	86	23 - 142	66	84	4.30	30	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Batch: GCSj/6777 **Analysis Method:** DoD SW-846 8141B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Diazinon	ug/Kg	80	70	87	42 - 134	70	89	0.40	30	J
Disulfoton	ug/Kg	80	79	98	28 - 145	77	98	1.30	30	J
Ronnel	ug/Kg	80	78	97	45 - 138	78	99	0.10	30	J
Methyl Parathion	ug/Kg	80	75	94	49 - 138	77	98	2.60	30	J
Chlorpyrifos	ug/Kg	80	78	97	47 - 140	81	103	4.70	30	J
Merphos	ug/Kg	80	71	89	33 - 180	75	95	5	30	J
Fensulfothion	ug/Kg	80	50	63	27 - 147	56	71	11	30	J
Azinphos-methyl	ug/Kg	80	74	93	38 - 156	83	106	11	30	J
Sulfotep	ug/Kg	80	76	95	52 - 126	74	94	2.80	30	J
Dimethoate	ug/Kg	80	78	97	16 - 139	77	98	0.90	30	J
Fonophos	ug/Kg	80	78	98	47 - 137	80	101	1.90	30	J
Chlorpyrifos-methyl	ug/Kg	80	79	98	55 - 130	78	99	0.30	30	J
Malathion	ug/Kg	80	88	109	49 - 138	91	116	4.10	30	J
Parathion (Ethyl)	ug/Kg	80	75	93	50 - 139	78	99	4.90	30	J
Ethion	ug/Kg	80	79	99	59 - 140	82	104	3.40	30	J
Famphur	ug/Kg	80	77	96	47 - 134	82	104	6.30	30	J
Phosmet	ug/Kg	80	78	97	63 - 146	83	106	6.70	30	J
Atrazine	ug/Kg	80	77	96	20 - 179	85	108	10	30	J
Simazine	ug/Kg	80	80	100	44 - 142	90	114	12	30	J
Demeton-S	ug/Kg	40	36	89	43 - 117	36	91	0.50	30	J
Demeton-O	ug/Kg	40	39	98	43 - 117	34	87	13	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Tributylphosphate (S)	mg/L	0.16	0.16	100	63 - 111	0.1610	102	0.30		J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Results

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Batch: GCSj/6784 **Analysis Method:** DoD SW-846 8082A
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Method Blank(5426243)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Aroclor 1016 (PCB-1016)	0.046U	mg/Kg	0.023	0.046	0.092	J
Aroclor 1221 (PCB-1221)	0.046U	mg/Kg	0.023	0.046	0.092	J
Aroclor 1232 (PCB-1232)	0.046U	mg/Kg	0.023	0.046	0.092	J
Aroclor 1242 (PCB-1242)	0.046U	mg/Kg	0.023	0.046	0.092	J
Aroclor 1248 (PCB-1248)	0.046U	mg/Kg	0.023	0.046	0.092	J
Aroclor 1254 (PCB-1254)	0.046U	mg/Kg	0.023	0.046	0.092	J
Aroclor 1260 (PCB-1260)	0.046U	mg/Kg	0.023	0.046	0.092	J
Aroclor 1262 (PCB-1262)	0.046U	mg/Kg	0.023	0.046	0.092	J
Aroclor 1268 (PCB-1268)	0.046U	mg/Kg	0.023	0.046	0.092	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0767	0.0955	125	61 - 147	J
Tetrachloro-m-xylene (S)	mg/L	0.1530	0.1660	108	44 - 130	J

Lab Control Sample (5426244)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Aroclor 1016 (PCB-1016)	mg/Kg	0.16	0.16	101	47 - 134	J
Aroclor 1260 (PCB-1260)	mg/Kg	0.16	0.17	107	53 - 140	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0801	0.0914	114	61 - 147	J
Tetrachloro-m-xylene (S)	mg/L	0.16	0.1650	103	44 - 130	J

Matrix Spike (5426245); Matrix Spike Duplicate (5426246); Original (J2411336003); Parent Lab Sample (J2411336003)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Aroclor 1016 (PCB-1016)	mg/Kg	0.16	0.19	120	47 - 134	0.2	128	5	30	J
Aroclor 1260 (PCB-1260)	mg/Kg	0.16	0.21	130	53 - 140	0.19	122	8.20	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0806	0.1210	**150**	61 - 147	0.1150	145	4.90		J
Tetrachloro-m-xylene (S)	mg/L	0.1610	0.2060	128	44 - 130	0.2040	129	1		J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Results

QC Batch: GCSj/6785 **Analysis Method:** DOD SW-846 8081B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Method Blank(5426239)

Parameter	Results	Units	DL	LOD	LOQ	Lab
alpha-BHC	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
gamma-BHC (Lindane)	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
beta-BHC	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
delta-BHC	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
Heptachlor	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
Aldrin	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
Heptachlor Epoxide	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
gamma-Chlordane	0.0031U	mg/Kg	0.0015	0.0031	0.0061	J
alpha-Chlordane	0.0031U	mg/Kg	0.0023	0.0031	0.0061	J
Endosulfan I	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
4,4`-DDE	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
Dieldrin	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
Endrin	0.0031U	mg/Kg	0.0015	0.0031	0.0061	J
4,4`-DDD	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
Endosulfan II	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
Endrin Aldehyde	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
4,4`-DDT	0.0031U	mg/Kg	0.0015	0.0031	0.0061	J
Endosulfan Sulfate	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
Methoxychlor	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
Endrin ketone	0.0015U	mg/Kg	0.00077	0.0015	0.0031	J
Chlordane (technical)	0.028U	mg/Kg	0.014	0.028	0.055	J
Toxaphene	0.046U	mg/Kg	0.023	0.046	0.092	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0767	0.0955	125	60 - 130	J
Tetrachloro-m-xylene (S)	mg/L	0.1530	0.1660	108	42 - 129	J

Lab Control Sample (5426240)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
alpha-BHC	mg/Kg	0.0160	0.02	122	45 - 137	J
gamma-BHC (Lindane)	mg/Kg	0.0160	0.019	118	49 - 135	J
beta-BHC	mg/Kg	0.0160	0.02	126	50 - 136	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Batch: GCSj/6785 **Analysis Method:** DOD SW-846 8081B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
delta-BHC	mg/Kg	0.0160	0.02	122	47 - 139	J
Heptachlor	mg/Kg	0.0160	0.02	121	47 - 136	J
Aldrin	mg/Kg	0.0160	0.018	113	45 - 136	J
Heptachlor Epoxide	mg/Kg	0.0160	0.021	128	52 - 136	J
gamma-Chlordane	mg/Kg	0.0160	0.018	111	53 - 135	J
alpha-Chlordane	mg/Kg	0.0160	0.02	124	54 - 133	J
Endosulfan I	mg/Kg	0.0160	0.018	112	53 - 132	J
4,4`-DDE	mg/Kg	0.0160	0.022	133	56 - 134	J
Dieldrin	mg/Kg	0.0160	0.022	135	56 - 136	J
Endrin	mg/Kg	0.0160	0.022	133	57 - 140	J
4,4`-DDD	mg/Kg	0.0160	0.021	128	56 - 139	J
Endosulfan II	mg/Kg	0.0160	0.019	117	53 - 134	J
Endrin Aldehyde	mg/Kg	0.0160	0.016	98	35 - 137	J
4,4`-DDT	mg/Kg	0.0160	0.022	135	50 - 141	J
Endosulfan Sulfate	mg/Kg	0.0160	0.021	129	55 - 136	J
Methoxychlor	mg/Kg	0.0160	0.02	125	52 - 143	J
Endrin ketone	mg/Kg	0.0160	0.021	128	55 - 136	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0809	0.1050	130	60 - 130	J
Tetrachloro-m-xylene (S)	mg/L	0.1620	0.1890	117	42 - 129	J

Matrix Spike (5426241); Matrix Spike Duplicate (5426242); Original (J2411336003); Parent Lab Sample (J2411336003)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
alpha-BHC	mg/Kg	0.0160	0.013	84	45 - 137	0.015	93	9.70	30	J
gamma-BHC (Lindane)	mg/Kg	0.0160	0.021	130	49 - 135	0.016	103	24	30	J
beta-BHC	mg/Kg	0.0160	0.018	115	50 - 136	0.019	120	3.80	30	J
delta-BHC	mg/Kg	0.0160	0.018	113	47 - 139	0.02	130	14	30	J
Heptachlor	mg/Kg	0.0160	0.02	127	47 - 136	0.021	134	4.90	30	J
Aldrin	mg/Kg	0.0160	0.021	132	45 - 136	0.021	131	1.20	30	J
Heptachlor Epoxide	mg/Kg	0.0160	0.018	113	52 - 136	0.018	116	2.10	30	J
gamma-Chlordane	mg/Kg	0.0160	0.012	76	53 - 135	0.016	99	26	30	J
alpha-Chlordane	mg/Kg	0.0160	0.017	106	54 - 133	0.016	104	2.40	30	J
Endosulfan I	mg/Kg	0.0160	0.019	121	53 - 132	0.017	108	12	30	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Batch: GCSj/6785 **Analysis Method:** DOD SW-846 8081B
Preparation Method: DOD EPA 3546
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
4,4`-DDE	mg/Kg	0.0160	0.017	108	56 - 134	0.018	117	7.50	30	J
Dieldrin	mg/Kg	0.0160	0.012	79	56 - 136	0.015	95	18	30	J
Endrin	mg/Kg	0.0160	0.017	109	57 - 140	0.021	133	19	30	J
4,4`-DDD	mg/Kg	0.0160	0.015	92	56 - 139	0.02	124	29	30	J
Endosulfan II	mg/Kg	0.0160	0.011	72	53 - 134	0.012	76	4.90	30	J
Endrin Aldehyde	mg/Kg	0.0160	0.012	78	35 - 137	0.014	91	15	30	J
4,4`-DDT	mg/Kg	0.0160	0.018	112	50 - 141	0.021	134	17	30	J
Endosulfan Sulfate	mg/Kg	0.0160	0.017	110	55 - 136	0.019	123	11	30	J
Methoxychlor	mg/Kg	0.0160	0.02	129	52 - 143	0.021	133	2.60	30	J
Endrin ketone	mg/Kg	0.0160	0.02	127	55 - 136	0.015	95	29	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0791	0.1180	**150**	60 - 130	0.13	165	9.60		J
Tetrachloro-m-xylene (S)	mg/L	0.1580	0.2330	**147**	42 - 129	0.2540	161	8.60		J

QC Result Comments

Matrix Spike - 5426241 - 4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5426241 - delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5426242 - 4,4`-DDD

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5426242 - delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Results

QC Batch: ICMj/4586 **Analysis Method:** DoD SW-846 6020A
Preparation Method: SW-846 3050B
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Method Blank(5439700)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Thallium	0.010U	mg/Kg	0.0050	0.010	0.020	J

Lab Control Sample (5439701)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Thallium	mg/Kg	0.10	0.097	97	83 - 118	J

Matrix Spike (5439702); Matrix Spike Duplicate (5439703); Original (J2411336001); Parent Lab Sample (J2411336001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Thallium	mg/Kg	0.0980	0.17	**177**	83 - 118	0.16	**176**	5.40	20	J

QC Result Comments

Matrix Spike - 5439702 - Thallium

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5439703 - Thallium

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Results

QC Batch: ICPj/3752 **Analysis Method:** DoD SW-846 6010C
Preparation Method: SW-846 3050B
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Method Blank(5422504)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Silver	0.28J	mg/Kg	0.20	0.40	0.80	J
Arsenic	1.0U	mg/Kg	0.50	1.0	2.0	J
Beryllium	0.20U	mg/Kg	0.10	0.20	0.40	J
Cadmium	0.10U	mg/Kg	0.050	0.10	0.20	J
Chromium	0.40U	mg/Kg	0.20	0.40	0.80	J
Copper	1.0U	mg/Kg	0.50	1.0	2.0	J
Nickel	1.0U	mg/Kg	0.50	1.0	2.0	J
Lead	1.0U	mg/Kg	0.50	1.0	2.0	J
Antimony	1.0U	mg/Kg	0.50	1.0	2.0	J
Selenium	2.0U	mg/Kg	1.0	2.0	4.0	J
Zinc	20U	mg/Kg	10	20	40	J

Lab Control Sample (5422505)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Silver	mg/Kg	4	4.2	106	82 - 112	J
Arsenic	mg/Kg	10	9.3	93	82 - 111	J
Beryllium	mg/Kg	2	1.8	91	83 - 113	J
Cadmium	mg/Kg	1	0.96	96	82 - 113	J
Chromium	mg/Kg	4	3.8	95	85 - 113	J
Copper	mg/Kg	10	9.1	91	81 - 117	J
Nickel	mg/Kg	10	9.6	96	83 - 113	J
Lead	mg/Kg	10	10	100	81 - 112	J
Antimony	mg/Kg	10	9.3	93	79 - 114	J
Selenium	mg/Kg	20	19	95	78 - 111	J
Zinc	mg/Kg	200	190	93	82 - 113	J

Matrix Spike (5422506); Matrix Spike Duplicate (5422507); Original (J2411211001); Parent Lab Sample (J2411211001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Silver	mg/Kg	4	9	**120**	82 - 112	7	**69**	**24**	20	J
Arsenic	mg/Kg	10	27	**132**	82 - 111	23	92	15	20	J
Beryllium	mg/Kg	2	0.57	**28**	83 - 113	0.56	**27**	2	20	J
Cadmium	mg/Kg	1	8.7	102	82 - 113	8.4	**67**	3.90	20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Batch: ICPj/3752 **Analysis Method:** DoD SW-846 6010C
Preparation Method: SW-846 3050B
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Chromium	mg/Kg	4	57	**-9**	85 - 113	55	**-61**	3.90	20	J
Copper	mg/Kg	10	630	**1790**	81 - 117	530	**725**	18	20	J
Nickel	mg/Kg	10	94	**321**	83 - 113	72	97	**27**	20	J
Lead	mg/Kg	10	1200	**302**	81 - 112	1100	**-1580**	17	20	J
Antimony	mg/Kg	10	6.6	**41**	79 - 114	5.7	**30**	16	20	J
Selenium	mg/Kg	20	4.3	**22**	78 - 111	2.8	**14**	**43**	20	J
Zinc	mg/Kg	200	2200	**320**	82 - 113	1700	**51**	**27**	20	J

Matrix Spike (5422506); Matrix Spike Duplicate (5422507); Original (J2411211001); Parent Lab Sample (J2411211001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Silver	mg/Kg	4	9	**120**	82 - 112	7	**69**	**24**	20	J
Arsenic	mg/Kg	10	27	**132**	82 - 111	23	92	15	20	J
Beryllium	mg/Kg	2	0.57	**28**	83 - 113	0.56	**27**	2	20	J
Cadmium	mg/Kg	1	8.7	102	82 - 113	8.4	**67**	3.90	20	J
Chromium	mg/Kg	4	57	**-9**	85 - 113	55	**-61**	3.90	20	J
Copper	mg/Kg	10	630	**1790**	81 - 117	530	**725**	18	20	J
Nickel	mg/Kg	10	94	**321**	83 - 113	72	97	**27**	20	J
Lead	mg/Kg	10	1200	**302**	81 - 112	1100	**-1580**	17	20	J
Antimony	mg/Kg	10	6.6	**41**	79 - 114	5.7	**30**	16	20	J
Selenium	mg/Kg	20	4.3	**22**	78 - 111	2.8	**14**	**43**	20	J
Zinc	mg/Kg	200	2200	**320**	82 - 113	1700	**51**	**27**	20	J

QC Result Comments

Matrix Spike - 5422506 - Antimony

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5422506 - Arsenic

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5422506 - Beryllium

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5422506 - Nickel

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5422506 - Selenium

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Result Comments

Matrix Spike - 5422506 - Silver

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5422507 - Antimony

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5422507 - Beryllium

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5422507 - Cadmium

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5422507 - Nickel

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5422507 - Selenium

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5422507 - Silver

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5422506 - Copper

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5422506 - Lead

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5422506 - Zinc

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5422507 - Copper

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5422507 - Zinc

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Results

QC Batch: MSSj/4191 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Method Blank(5430592)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Phenol	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Chlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2-Methylphenol (o-Cresol)	0.33U	mg/Kg	0.17	0.33	0.67	J
3+4-Methylphenol(mp-Cresol)	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Nitrophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4-Dimethylphenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4-Dichlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
4-Chloro-3-methylphenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4,6-Trichlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4,5-Trichlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4-Dinitrophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
4-Nitrophenol	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Methyl-4,6-dinitrophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
Pentachlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
bis(2-Chloroethyl)Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
bis(2-Chloroisopropyl) Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
Acetophenone	0.17U	mg/Kg	0.083	0.17	0.33	J
N-Nitrosodi-n-propylamine	0.17U	mg/Kg	0.083	0.17	0.33	J
Hexachloroethane	0.17U	mg/Kg	0.083	0.17	0.33	J
Nitrobenzene	0.33U	mg/Kg	0.17	0.33	0.67	J
Isophorone	0.17U	mg/Kg	0.083	0.17	0.33	J
bis(2-Chloroethoxy)methane	0.33U	mg/Kg	0.17	0.33	0.67	J
Naphthalene	0.010U	mg/Kg	0.0050	0.010	0.020	J
4-Chloroaniline	0.17U	mg/Kg	0.083	0.17	0.33	J
Hexachlorobutadiene	0.17U	mg/Kg	0.083	0.17	0.33	J
2-Methylnaphthalene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Hexachlorocyclopentadiene	0.17U	mg/Kg	0.083	0.17	0.33	J
2-Chloronaphthalene	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Nitroaniline	0.17U	mg/Kg	0.083	0.17	0.33	J
Dimethyl phthalate	0.17U	mg/Kg	0.083	0.17	0.33	J
2,6-Dinitrotoluene (2,6-DNT)	0.17U	mg/Kg	0.083	0.17	0.33	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Batch: MSSj/4191 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Parameter	Results	Units	DL	LOD	LOQ	Lab
Acenaphthylene	0.010U	mg/Kg	0.0050	0.010	0.020	J
3-Nitroaniline	0.33U	mg/Kg	0.17	0.33	0.67	J
Acenaphthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Dibenzofuran	0.010U	mg/Kg	0.0050	0.010	0.020	J
2,4-Dinitrotoluene (2,4-DNT)	0.17U	mg/Kg	0.083	0.17	0.33	J
Diethyl phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Fluorene	0.010U	mg/Kg	0.0050	0.010	0.020	J
4-Chlorophenyl Phenyl Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
4-Nitroaniline	0.33U	mg/Kg	0.17	0.33	0.67	J
4-Bromophenyl Phenyl Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
Hexachlorobenzene	0.17U	mg/Kg	0.083	0.17	0.33	J
Phenanthrene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Anthracene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Carbazole	0.010U	mg/Kg	0.0050	0.010	0.020	J
Di-n-Butyl Phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Fluoranthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Pyrene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Butyl benzyl phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Benzo[a]anthracene	0.010U	mg/Kg	0.0050	0.010	0.020	J
3,3`-Dichlorobenzidine	0.17U	mg/Kg	0.083	0.17	0.33	J
Chrysene	0.010U	mg/Kg	0.0050	0.010	0.020	J
bis(2-Ethylhexyl) phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Di-n-octyl Phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Benzo[b]fluoranthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Benzo[k]fluoranthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Benzo[a]pyrene	0.016U	mg/Kg	0.0080	0.016	0.032	J
Indeno(1,2,3-cd)pyrene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Dibenzo[a,h]anthracene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Benzo[g,h,i]perylene	0.010U	mg/Kg	0.0050	0.010	0.020	J
N-Nitrosodiphenylamine	0.17U	mg/Kg	0.083	0.17	0.33	J
Biphenyl	0.33U	mg/Kg	0.17	0.33	0.67	J
Atrazine	0.33U	mg/Kg	0.17	0.33	0.67	J
Benzaldehyde	0.17U	mg/Kg	0.083	0.17	0.33	J
Caprolactam	0.17U	mg/Kg	0.083	0.17	0.33	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Batch: MSSj/4191 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	1.67	1.36	81	39 - 132	J
2-Fluorobiphenyl (S)	mg/L	1.67	1.46	88	44 - 115	J
2-Fluorophenol (S)	mg/L	1.67	1.52	91	35 - 115	J
2-Methylnaphthalene-d10 (S)	mg/L	1.67	1.47	88	50 - 150	J
Fluoranthene-d10 (S)	mg/L	1.67	1.48	89	50 - 150	J
Nitrobenzene-d5 (S)	mg/L	1.67	1.55	93	37 - 122	J
Phenol-d6 (S)	mg/L	1.67	1.46	88	33 - 122	J
p-Terphenyl-d14 (S)	mg/L	1.67	1.48	89	54 - 127	J

Lab Control Sample (5430593)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Phenol	mg/Kg	1.70	1.6	95	34 - 121	J
2-Chlorophenol	mg/Kg	1.70	1.6	97	34 - 121	J
2-Methylphenol (o-Cresol)	mg/Kg	1.70	1.7	102	32 - 122	J
3+4-Methylphenol(mp-Cresol)	mg/Kg	1.70	1.7	102	34 - 119	J
2-Nitrophenol	mg/Kg	1.70	1.7	104	36 - 123	J
2,4-Dimethylphenol	mg/Kg	1.70	1.9	115	30 - 127	J
2,4-Dichlorophenol	mg/Kg	1.70	1.6	97	40 - 122	J
4-Chloro-3-methylphenol	mg/Kg	1.70	1.6	99	45 - 122	J
2,4,6-Trichlorophenol	mg/Kg	1.70	1.6	95	39 - 126	J
2,4,5-Trichlorophenol	mg/Kg	1.70	1.6	96	41 - 124	J
2,4-Dinitrophenol	mg/Kg	1.70	1.7	100	52 - 122	J
4-Nitrophenol	mg/Kg	1.70	1.6	94	30 - 132	J
2-Methyl-4,6-dinitrophenol	mg/Kg	1.70	1.7	104	29 - 132	J
Pentachlorophenol	mg/Kg	1.70	1.4	86	25 - 133	J
bis(2-Chloroethyl)Ether	mg/Kg	1.70	1.6	96	31 - 120	J
bis(2-Chloroisopropyl) Ether	mg/Kg	1.70	1.6	94	33 - 131	J
Acetophenone	mg/Kg	1.70	1.6	94	33 - 115	J
N-Nitrosodi-n-propylamine	mg/Kg	1.70	1.6	98	36 - 120	J
Hexachloroethane	mg/Kg	1.70	1.5	92	28 - 117	J
Nitrobenzene	mg/Kg	1.70	1.6	96	34 - 122	J
Isophorone	mg/Kg	1.70	1.6	95	30 - 122	J
bis(2-Chloroethoxy)methane	mg/Kg	1.70	1.6	96	36 - 121	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Batch: MSSj/4191 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Naphthalene	mg/Kg	1.70	1.6	95	38 - 111	J
4-Chloroaniline	mg/Kg	1.70	1.5	93	17 - 106	J
Hexachlorobutadiene	mg/Kg	1.70	1.6	95	32 - 123	J
2-Methylnaphthalene	mg/Kg	1.70	1.5	91	39 - 114	J
Hexachlorocyclopentadiene	mg/Kg	1.70	2.4	**146**	49 - 137	J
2-Chloronaphthalene	mg/Kg	1.70	1.5	90	41 - 114	J
2-Nitroaniline	mg/Kg	1.70	1.7	100	44 - 127	J
Dimethyl phthalate	mg/Kg	1.70	1.6	94	48 - 124	J
2,6-Dinitrotoluene (2,6-DNT)	mg/Kg	1.70	1.7	99	46 - 124	J
Acenaphthylene	mg/Kg	1.70	1.7	104	39 - 116	J
3-Nitroaniline	mg/Kg	1.70	1.7	102	33 - 119	J
Acenaphthene	mg/Kg	1.70	1.5	88	44 - 111	J
Dibenzofuran	mg/Kg	1.70	1.6	93	35 - 108	J
2,4-Dinitrotoluene (2,4-DNT)	mg/Kg	1.70	1.6	99	48 - 126	J
Diethyl phthalate	mg/Kg	1.70	1.6	94	50 - 124	J
Fluorene	mg/Kg	1.70	1.5	92	47 - 114	J
4-Chlorophenyl Phenyl Ether	mg/Kg	1.70	1.6	95	45 - 121	J
4-Nitroaniline	mg/Kg	1.70	1.6	98	79 - 122	J
4-Bromophenyl Phenyl Ether	mg/Kg	1.70	1.6	96	46 - 124	J
Hexachlorobenzene	mg/Kg	1.70	1.5	93	45 - 122	J
Phenanthrene	mg/Kg	1.70	1.6	94	49 - 133	J
Anthracene	mg/Kg	1.70	1.5	91	50 - 114	J
Carbazole	mg/Kg	1.70	1.5	93	36 - 123	J
Di-n-Butyl Phthalate	mg/Kg	1.70	1.6	98	51 - 128	J
Fluoranthene	mg/Kg	1.70	1.6	94	55 - 119	J
Pyrene	mg/Kg	1.70	1.6	94	55 - 117	J
Butyl benzyl phthalate	mg/Kg	1.70	1.7	99	48 - 132	J
Benzo[a]anthracene	mg/Kg	1.70	1.5	93	54 - 122	J
3,3`-Dichlorobenzidine	mg/Kg	1.70	1.3	80	22 - 121	J
Chrysene	mg/Kg	1.70	1.5	92	57 - 118	J
bis(2-Ethylhexyl) phthalate	mg/Kg	1.70	1.6	98	51 - 133	J
Di-n-octyl Phthalate	mg/Kg	1.70	1.7	101	45 - 140	J
Benzo[b]fluoranthene	mg/Kg	1.70	1.5	91	53 - 128	J
Benzo[k]fluoranthene	mg/Kg	1.70	1.5	92	56 - 123	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Batch: MSSj/4191 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Benzo[a]pyrene	mg/Kg	1.70	1.7	99	50 - 125	J
Indeno(1,2,3-cd)pyrene	mg/Kg	1.70	1.6	95	49 - 130	J
Dibenzo[a,h]anthracene	mg/Kg	1.70	1.6	93	50 - 129	J
Benzo[g,h,i]perylene	mg/Kg	1.70	1.4	82	49 - 127	J
N-Nitrosodiphenylamine	mg/Kg	1.70	1.4	84	38 - 127	J
Biphenyl	mg/Kg	1.70	1.5	93	40 - 117	J
Atrazine	mg/Kg	1.70	1.5	92	47 - 127	J
Benzaldehyde	mg/Kg	1.70	0.72	43	10 - 90	J
Caprolactam	mg/Kg	1.70	1.9	113	46 - 117	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	1.67	1.37	82	39 - 132	J
2-Fluorobiphenyl (S)	mg/L	1.67	1.51	91	44 - 115	J
2-Fluorophenol (S)	mg/L	1.67	1.51	91	35 - 115	J
2-Methylnaphthalene-d10 (S)	mg/L	1.67	1.42	85	50 - 150	J
Fluoranthene-d10 (S)	mg/L	1.67	1.46	88	50 - 150	J
Nitrobenzene-d5 (S)	mg/L	1.67	1.49	90	37 - 122	J
Phenol-d6 (S)	mg/L	1.67	1.48	89	33 - 122	J
p-Terphenyl-d14 (S)	mg/L	1.67	1.49	89	54 - 127	J

Matrix Spike (5430594); Matrix Spike Duplicate (5430595); Original (J2411336001); Parent Lab Sample (J2411336001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Phenol	mg/Kg	1.70	1.4	82	34 - 121	1.3	76	9.20	20	J
2-Chlorophenol	mg/Kg	1.70	1.4	83	34 - 121	1.3	78	7	20	J
2-Methylphenol (o-Cresol)	mg/Kg	1.70	1.4	86	32 - 122	1.4	82	5.90	20	J
3+4-Methylphenol(mp-Cres	mg/Kg	1.70	1.4	86	34 - 119	1.4	83	5.20	20	J
2-Nitrophenol	mg/Kg	1.70	1.5	89	36 - 123	1.4	86	4.50	20	J
2,4-Dimethylphenol	mg/Kg	1.70	1.7	102	30 - 127	1.6	98	5.60	20	J
2,4-Dichlorophenol	mg/Kg	1.70	1.4	84	40 - 122	1.3	81	5.50	20	J
4-Chloro-3-methylphenol	mg/Kg	1.70	1.5	88	45 - 122	1.4	86	3.20	20	J
2,4,6-Trichlorophenol	mg/Kg	1.70	1.5	88	39 - 126	1.4	85	5.40	20	J
2,4,5-Trichlorophenol	mg/Kg	1.70	1.5	88	41 - 124	1.5	88	1.50	20	J
2,4-Dinitrophenol	mg/Kg	1.70	1.4	85	52 - 122	1.5	89	2.60	20	J
4-Nitrophenol	mg/Kg	1.70	1.5	91	30 - 132	1.5	90	2.90	20	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Batch: MSSj/4191 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2-Methyl-4,6-dinitrophenol	mg/Kg	1.70	1.7	101	29 - 132	1.7	103	0.20	20	J
Pentachlorophenol	mg/Kg	1.70	1.3	79	25 - 133	1.4	82	1.60	20	J
bis(2-Chloroethyl)Ether	mg/Kg	1.70	1.4	82	31 - 120	1.3	76	8.90	20	J
bis(2-Chloroisopropyl) Ethe	mg/Kg	1.70	1.4	80	33 - 131	1.3	76	6.70	20	J
Acetophenone	mg/Kg	1.70	1.3	80	33 - 115	1.3	77	6	20	J
N-Nitrosodi-n-propylamine	mg/Kg	1.70	1.4	85	36 - 120	1.3	81	6.40	20	J
Hexachloroethane	mg/Kg	1.70	1.3	79	28 - 117	1.2	75	6.50	20	J
Nitrobenzene	mg/Kg	1.70	1.4	83	34 - 122	1.3	79	6.70	20	J
Isophorone	mg/Kg	1.70	1.4	81	30 - 122	1.3	78	5.20	20	J
bis(2-Chloroethoxy)methan	mg/Kg	1.70	1.4	84	36 - 121	1.3	79	7.20	20	J
Naphthalene	mg/Kg	1.70	1.4	82	38 - 111	1.3	79	5	20	J
4-Chloroaniline	mg/Kg	1.70	1.3	78	17 - 106	1.3	76	4	20	J
Hexachlorobutadiene	mg/Kg	1.70	1.4	81	32 - 123	1.3	79	4.30	20	J
2-Methylnaphthalene	mg/Kg	1.70	1.3	79	39 - 114	1.3	77	3.50	20	J
Hexachlorocyclopentadiene	mg/Kg	1.70	2.2	130	49 - 137	2.1	125	5.10	20	J
2-Chloronaphthalene	mg/Kg	1.70	1.4	81	41 - 114	1.3	78	5.80	20	J
2-Nitroaniline	mg/Kg	1.70	1.5	92	44 - 127	1.5	89	4	20	J
Dimethyl phthalate	mg/Kg	1.70	1.5	88	48 - 124	1.4	85	4.50	20	J
2,6-Dinitrotoluene (2,6-DNT	mg/Kg	1.70	1.6	96	46 - 124	1.5	90	7.40	20	J
Acenaphthylene	mg/Kg	1.70	1.6	98	39 - 116	1.6	95	4.30	20	J
3-Nitroaniline	mg/Kg	1.70	1.6	96	33 - 119	1.5	93	4.20	20	J
Acenaphthene	mg/Kg	1.70	1.4	83	44 - 111	1.3	80	5.90	20	J
Dibenzofuran	mg/Kg	1.70	1.4	85	35 - 108	1.4	85	1.80	20	J
2,4-Dinitrotoluene (2,4-DNT	mg/Kg	1.70	1.6	93	48 - 126	1.5	92	2.50	20	J
Diethyl phthalate	mg/Kg	1.70	1.5	89	50 - 124	1.5	88	3.40	20	J
Fluorene	mg/Kg	1.70	1.5	87	47 - 114	1.4	86	3.30	20	J
4-Chlorophenyl Phenyl Eth	mg/Kg	1.70	1.4	85	45 - 121	1.4	84	2	20	J
4-Nitroaniline	mg/Kg	1.70	1.6	94	79 - 122	1.6	96	0.70	20	J
4-Bromophenyl Phenyl Eth	mg/Kg	1.70	1.4	85	46 - 124	1.4	86	0	20	J
Hexachlorobenzene	mg/Kg	1.70	1.5	86	45 - 122	1.4	84	4.30	20	J
Phenanthrene	mg/Kg	1.70	1.5	87	49 - 133	1.5	88	0.10	20	J
Anthracene	mg/Kg	1.70	1.4	86	50 - 114	1.4	87	0.20	20	J
Carbazole	mg/Kg	1.70	1.5	90	36 - 123	1.5	92	0.20	20	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

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QC Batch: MSSj/4191 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Di-n-Butyl Phthalate	mg/Kg	1.70	1.5	91	51 - 128	1.5	93	0.10	20	J
Fluoranthene	mg/Kg	1.70	1.5	90	55 - 119	1.5	92	1.30	20	J
Pyrene	mg/Kg	1.70	1.4	86	55 - 117	1.5	89	3	20	J
Butyl benzyl phthalate	mg/Kg	1.70	1.5	90	48 - 132	1.6	94	2.20	20	J
Benzo[a]anthracene	mg/Kg	1.70	1.5	90	54 - 122	1.5	91	0.20	20	J
3,3`-Dichlorobenzidine	mg/Kg	1.70	1.3	74	22 - 121	1.2	75	0.90	20	J
Chrysene	mg/Kg	1.70	1.5	87	57 - 118	1.5	89	0.80	20	J
bis(2-Ethylhexyl) phthalate	mg/Kg	1.70	1.5	91	51 - 133	1.5	92	0.10	20	J
Di-n-octyl Phthalate	mg/Kg	1.70	1.6	93	45 - 140	1.6	95	1.40	20	J
Benzo[b]fluoranthene	mg/Kg	1.70	1.4	86	53 - 128	1.6	98	12	20	J
Benzo[k]fluoranthene	mg/Kg	1.70	1.5	87	56 - 123	1.5	88	0.70	20	J
Benzo[a]pyrene	mg/Kg	1.70	1.5	91	50 - 125	1.6	98	5.50	20	J
Indeno(1,2,3-cd)pyrene	mg/Kg	1.70	1.7	98	49 - 130	1.6	95	4.30	20	J
Dibenzo[a,h]anthracene	mg/Kg	1.70	1.6	97	50 - 129	1.7	100	1.80	20	J
Benzo[g,h,i]perylene	mg/Kg	1.70	1.5	92	49 - 127	1.4	87	6.80	20	J
N-Nitrosodiphenylamine	mg/Kg	1.70	1.3	77	38 - 127	1.2	75	3.30	20	J
Biphenyl	mg/Kg	1.70	1.4	84	40 - 117	1.3	81	5.40	20	J
Atrazine	mg/Kg	1.70	1.5	88	47 - 127	1.5	92	2.70	20	J
Benzaldehyde	mg/Kg	1.70	0.61	36	10 - 90	0.57	35	5.80	20	J
Caprolactam	mg/Kg	1.70	1.6	97	46 - 117	1.6	95	3.30	20	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2,4,6-Tribromophenol (S)	mg/L	1.68	1.39	83	39 - 132	1.43	86	2.50		J
2-Fluorobiphenyl (S)	mg/L	1.68	1.35	80	44 - 115	1.32	80	2.10		J
2-Fluorophenol (S)	mg/L	1.68	1.27	76	35 - 115	1.21	73	4.80		J
2-Methylnaphthalene-d10 (S)	mg/L	1.68	1.33	79	50 - 150	1.36	82	2.50		J
Fluoranthene-d10 (S)	mg/L	1.68	1.43	85	50 - 150	1.52	92	5.70		J
Nitrobenzene-d5 (S)	mg/L	1.68	1.31	78	37 - 122	1.25	76	4.40		J
Phenol-d6 (S)	mg/L	1.68	1.29	76	33 - 122	1.21	73	6.40		J
p-Terphenyl-d14 (S)	mg/L	1.68	1.34	80	54 - 127	1.39	84	3.70		J

Method Blank(5430592)

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Batch: MSSj/4191 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Parameter	Results	Units	DL	LOD	LOQ	Lab
Phenol	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Chlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2-Methylphenol (o-Cresol)	0.33U	mg/Kg	0.17	0.33	0.67	J
3+4-Methylphenol(mp-Cresol)	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Nitrophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4-Dimethylphenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4-Dichlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
4-Chloro-3-methylphenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4,6-Trichlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4,5-Trichlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
2,4-Dinitrophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
4-Nitrophenol	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Methyl-4,6-dinitrophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
Pentachlorophenol	0.17U	mg/Kg	0.083	0.17	0.33	J
bis(2-Chloroethyl)Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
bis(2-Chloroisopropyl) Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
Acetophenone	0.17U	mg/Kg	0.083	0.17	0.33	J
N-Nitrosodi-n-propylamine	0.17U	mg/Kg	0.083	0.17	0.33	J
Hexachloroethane	0.17U	mg/Kg	0.083	0.17	0.33	J
Nitrobenzene	0.33U	mg/Kg	0.17	0.33	0.67	J
Isophorone	0.17U	mg/Kg	0.083	0.17	0.33	J
bis(2-Chloroethoxy)methane	0.33U	mg/Kg	0.17	0.33	0.67	J
Naphthalene	0.010U	mg/Kg	0.0050	0.010	0.020	J
4-Chloroaniline	0.17U	mg/Kg	0.083	0.17	0.33	J
Hexachlorobutadiene	0.17U	mg/Kg	0.083	0.17	0.33	J
2-Methylnaphthalene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Hexachlorocyclopentadiene	0.17U	mg/Kg	0.083	0.17	0.33	J
2-Chloronaphthalene	0.33U	mg/Kg	0.17	0.33	0.67	J
2-Nitroaniline	0.17U	mg/Kg	0.083	0.17	0.33	J
Dimethyl phthalate	0.17U	mg/Kg	0.083	0.17	0.33	J
2,6-Dinitrotoluene (2,6-DNT)	0.17U	mg/Kg	0.083	0.17	0.33	J
Acenaphthylene	0.010U	mg/Kg	0.0050	0.010	0.020	J
3-Nitroaniline	0.33U	mg/Kg	0.17	0.33	0.67	J
Acenaphthene	0.010U	mg/Kg	0.0050	0.010	0.020	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Batch: MSSj/4191 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Parameter	Results	Units	DL	LOD	LOQ	Lab
Dibenzofuran	0.010U	mg/Kg	0.0050	0.010	0.020	J
2,4-Dinitrotoluene (2,4-DNT)	0.17U	mg/Kg	0.083	0.17	0.33	J
Diethyl phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Fluorene	0.010U	mg/Kg	0.0050	0.010	0.020	J
4-Chlorophenyl Phenyl Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
4-Nitroaniline	0.33U	mg/Kg	0.17	0.33	0.67	J
4-Bromophenyl Phenyl Ether	0.17U	mg/Kg	0.083	0.17	0.33	J
Hexachlorobenzene	0.17U	mg/Kg	0.083	0.17	0.33	J
Phenanthrene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Anthracene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Carbazole	0.010U	mg/Kg	0.0050	0.010	0.020	J
Di-n-Butyl Phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Fluoranthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Pyrene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Butyl benzyl phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Benzo[a]anthracene	0.010U	mg/Kg	0.0050	0.010	0.020	J
3,3`-Dichlorobenzidine	0.17U	mg/Kg	0.083	0.17	0.33	J
Chrysene	0.010U	mg/Kg	0.0050	0.010	0.020	J
bis(2-Ethylhexyl) phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Di-n-octyl Phthalate	0.33U	mg/Kg	0.17	0.33	0.67	J
Benzo[b]fluoranthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Benzo[k]fluoranthene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Benzo[a]pyrene	0.016U	mg/Kg	0.0080	0.016	0.032	J
Indeno(1,2,3-cd)pyrene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Dibenzo[a,h]anthracene	0.010U	mg/Kg	0.0050	0.010	0.020	J
Benzo[g,h,i]perylene	0.010U	mg/Kg	0.0050	0.010	0.020	J
N-Nitrosodiphenylamine	0.17U	mg/Kg	0.083	0.17	0.33	J
Biphenyl	0.33U	mg/Kg	0.17	0.33	0.67	J
Atrazine	0.33U	mg/Kg	0.17	0.33	0.67	J
Benzaldehyde	0.17U	mg/Kg	0.083	0.17	0.33	J
Caprolactam	0.17U	mg/Kg	0.083	0.17	0.33	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Batch: MSSj/4191 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	1.67	1.36	81	39 - 132	J
2-Fluorobiphenyl (S)	mg/L	1.67	1.46	88	44 - 115	J
2-Fluorophenol (S)	mg/L	1.67	1.52	91	35 - 115	J
2-Methylnaphthalene-d10 (S)	mg/L	1.67	1.47	88	50 - 150	J
Fluoranthene-d10 (S)	mg/L	1.67	1.48	89	50 - 150	J
Nitrobenzene-d5 (S)	mg/L	1.67	1.55	93	37 - 122	J
Phenol-d6 (S)	mg/L	1.67	1.46	88	33 - 122	J
p-Terphenyl-d14 (S)	mg/L	1.67	1.48	89	54 - 127	J

Lab Control Sample (5430593)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Phenol	mg/Kg	1.70	1.6	95	34 - 121	J
2-Chlorophenol	mg/Kg	1.70	1.6	97	34 - 121	J
2-Methylphenol (o-Cresol)	mg/Kg	1.70	1.7	102	32 - 122	J
3+4-Methylphenol(mp-Cresol)	mg/Kg	1.70	1.7	102	34 - 119	J
2-Nitrophenol	mg/Kg	1.70	1.7	104	36 - 123	J
2,4-Dimethylphenol	mg/Kg	1.70	1.9	115	30 - 127	J
2,4-Dichlorophenol	mg/Kg	1.70	1.6	97	40 - 122	J
4-Chloro-3-methylphenol	mg/Kg	1.70	1.6	99	45 - 122	J
2,4,6-Trichlorophenol	mg/Kg	1.70	1.6	95	39 - 126	J
2,4,5-Trichlorophenol	mg/Kg	1.70	1.6	96	41 - 124	J
2,4-Dinitrophenol	mg/Kg	1.70	1.7	100	52 - 122	J
4-Nitrophenol	mg/Kg	1.70	1.6	94	30 - 132	J
2-Methyl-4,6-dinitrophenol	mg/Kg	1.70	1.7	104	29 - 132	J
Pentachlorophenol	mg/Kg	1.70	1.4	86	25 - 133	J
bis(2-Chloroethyl)Ether	mg/Kg	1.70	1.6	96	31 - 120	J
bis(2-Chloroisopropyl) Ether	mg/Kg	1.70	1.6	94	33 - 131	J
Acetophenone	mg/Kg	1.70	1.6	94	33 - 115	J
N-Nitrosodi-n-propylamine	mg/Kg	1.70	1.6	98	36 - 120	J
Hexachloroethane	mg/Kg	1.70	1.5	92	28 - 117	J
Nitrobenzene	mg/Kg	1.70	1.6	96	34 - 122	J
Isophorone	mg/Kg	1.70	1.6	95	30 - 122	J
bis(2-Chloroethoxy)methane	mg/Kg	1.70	1.6	96	36 - 121	J
Naphthalene	mg/Kg	1.70	1.6	95	38 - 111	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Batch: MSSj/4191 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
4-Chloroaniline	mg/Kg	1.70	1.5	93	17 - 106	J
Hexachlorobutadiene	mg/Kg	1.70	1.6	95	32 - 123	J
2-Methylnaphthalene	mg/Kg	1.70	1.5	91	39 - 114	J
Hexachlorocyclopentadiene	mg/Kg	1.70	2.4	**146**	49 - 137	J
2-Chloronaphthalene	mg/Kg	1.70	1.5	90	41 - 114	J
2-Nitroaniline	mg/Kg	1.70	1.7	100	44 - 127	J
Dimethyl phthalate	mg/Kg	1.70	1.6	94	48 - 124	J
2,6-Dinitrotoluene (2,6-DNT)	mg/Kg	1.70	1.7	99	46 - 124	J
Acenaphthylene	mg/Kg	1.70	1.7	104	39 - 116	J
3-Nitroaniline	mg/Kg	1.70	1.7	102	33 - 119	J
Acenaphthene	mg/Kg	1.70	1.5	88	44 - 111	J
Dibenzofuran	mg/Kg	1.70	1.6	93	35 - 108	J
2,4-Dinitrotoluene (2,4-DNT)	mg/Kg	1.70	1.6	99	48 - 126	J
Diethyl phthalate	mg/Kg	1.70	1.6	94	50 - 124	J
Fluorene	mg/Kg	1.70	1.5	92	47 - 114	J
4-Chlorophenyl Phenyl Ether	mg/Kg	1.70	1.6	95	45 - 121	J
4-Nitroaniline	mg/Kg	1.70	1.6	98	79 - 122	J
4-Bromophenyl Phenyl Ether	mg/Kg	1.70	1.6	96	46 - 124	J
Hexachlorobenzene	mg/Kg	1.70	1.5	93	45 - 122	J
Phenanthrene	mg/Kg	1.70	1.6	94	49 - 133	J
Anthracene	mg/Kg	1.70	1.5	91	50 - 114	J
Carbazole	mg/Kg	1.70	1.5	93	36 - 123	J
Di-n-Butyl Phthalate	mg/Kg	1.70	1.6	98	51 - 128	J
Fluoranthene	mg/Kg	1.70	1.6	94	55 - 119	J
Pyrene	mg/Kg	1.70	1.6	94	55 - 117	J
Butyl benzyl phthalate	mg/Kg	1.70	1.7	99	48 - 132	J
Benzo[a]anthracene	mg/Kg	1.70	1.5	93	54 - 122	J
3,3`-Dichlorobenzidine	mg/Kg	1.70	1.3	80	22 - 121	J
Chrysene	mg/Kg	1.70	1.5	92	57 - 118	J
bis(2-Ethylhexyl) phthalate	mg/Kg	1.70	1.6	98	51 - 133	J
Di-n-octyl Phthalate	mg/Kg	1.70	1.7	101	45 - 140	J
Benzo[b]fluoranthene	mg/Kg	1.70	1.5	91	53 - 128	J
Benzo[k]fluoranthene	mg/Kg	1.70	1.5	92	56 - 123	J
Benzo[a]pyrene	mg/Kg	1.70	1.7	99	50 - 125	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Batch: MSSj/4191 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Indeno(1,2,3-cd)pyrene	mg/Kg	1.70	1.6	95	49 - 130	J
Dibenzo[a,h]anthracene	mg/Kg	1.70	1.6	93	50 - 129	J
Benzo[g,h,i]perylene	mg/Kg	1.70	1.4	82	49 - 127	J
N-Nitrosodiphenylamine	mg/Kg	1.70	1.4	84	38 - 127	J
Biphenyl	mg/Kg	1.70	1.5	93	40 - 117	J
Atrazine	mg/Kg	1.70	1.5	92	47 - 127	J
Benzaldehyde	mg/Kg	1.70	0.72	43	10 - 90	J
Caprolactam	mg/Kg	1.70	1.9	113	46 - 117	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	1.67	1.37	82	39 - 132	J
2-Fluorobiphenyl (S)	mg/L	1.67	1.51	91	44 - 115	J
2-Fluorophenol (S)	mg/L	1.67	1.51	91	35 - 115	J
2-Methylnaphthalene-d10 (S)	mg/L	1.67	1.42	85	50 - 150	J
Fluoranthene-d10 (S)	mg/L	1.67	1.46	88	50 - 150	J
Nitrobenzene-d5 (S)	mg/L	1.67	1.49	90	37 - 122	J
Phenol-d6 (S)	mg/L	1.67	1.48	89	33 - 122	J
p-Terphenyl-d14 (S)	mg/L	1.67	1.49	89	54 - 127	J

Matrix Spike (5430594); Matrix Spike Duplicate (5430595); Original (J2411336001); Parent Lab Sample (J2411336001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Phenol	mg/Kg	1.70	1.4	82	34 - 121	1.3	76	9.20	20	J
2-Chlorophenol	mg/Kg	1.70	1.4	83	34 - 121	1.3	78	7	20	J
2-Methylphenol (o-Cresol)	mg/Kg	1.70	1.4	86	32 - 122	1.4	82	5.90	20	J
3+4-Methylphenol(mp-Cres	mg/Kg	1.70	1.4	86	34 - 119	1.4	83	5.20	20	J
2-Nitrophenol	mg/Kg	1.70	1.5	89	36 - 123	1.4	86	4.50	20	J
2,4-Dimethylphenol	mg/Kg	1.70	1.7	102	30 - 127	1.6	98	5.60	20	J
2,4-Dichlorophenol	mg/Kg	1.70	1.4	84	40 - 122	1.3	81	5.50	20	J
4-Chloro-3-methylphenol	mg/Kg	1.70	1.5	88	45 - 122	1.4	86	3.20	20	J
2,4,6-Trichlorophenol	mg/Kg	1.70	1.5	88	39 - 126	1.4	85	5.40	20	J
2,4,5-Trichlorophenol	mg/Kg	1.70	1.5	88	41 - 124	1.5	88	1.50	20	J
2,4-Dinitrophenol	mg/Kg	1.70	1.4	85	52 - 122	1.5	89	2.60	20	J
4-Nitrophenol	mg/Kg	1.70	1.5	91	30 - 132	1.5	90	2.90	20	J
2-Methyl-4,6-dinitrophenol	mg/Kg	1.70	1.7	101	29 - 132	1.7	103	0.20	20	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Batch: MSSj/4191 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Pentachlorophenol	mg/Kg	1.70	1.3	79	25 - 133	1.4	82	1.60	20	J
bis(2-Chloroethyl)Ether	mg/Kg	1.70	1.4	82	31 - 120	1.3	76	8.90	20	J
bis(2-Chloroisopropyl) Ethe	mg/Kg	1.70	1.4	80	33 - 131	1.3	76	6.70	20	J
Acetophenone	mg/Kg	1.70	1.3	80	33 - 115	1.3	77	6	20	J
N-Nitrosodi-n-propylamine	mg/Kg	1.70	1.4	85	36 - 120	1.3	81	6.40	20	J
Hexachloroethane	mg/Kg	1.70	1.3	79	28 - 117	1.2	75	6.50	20	J
Nitrobenzene	mg/Kg	1.70	1.4	83	34 - 122	1.3	79	6.70	20	J
Isophorone	mg/Kg	1.70	1.4	81	30 - 122	1.3	78	5.20	20	J
bis(2-Chloroethoxy)methan	mg/Kg	1.70	1.4	84	36 - 121	1.3	79	7.20	20	J
Naphthalene	mg/Kg	1.70	1.4	82	38 - 111	1.3	79	5	20	J
4-Chloroaniline	mg/Kg	1.70	1.3	78	17 - 106	1.3	76	4	20	J
Hexachlorobutadiene	mg/Kg	1.70	1.4	81	32 - 123	1.3	79	4.30	20	J
2-Methylnaphthalene	mg/Kg	1.70	1.3	79	39 - 114	1.3	77	3.50	20	J
Hexachlorocyclopentadiene	mg/Kg	1.70	2.2	130	49 - 137	2.1	125	5.10	20	J
2-Chloronaphthalene	mg/Kg	1.70	1.4	81	41 - 114	1.3	78	5.80	20	J
2-Nitroaniline	mg/Kg	1.70	1.5	92	44 - 127	1.5	89	4	20	J
Dimethyl phthalate	mg/Kg	1.70	1.5	88	48 - 124	1.4	85	4.50	20	J
2,6-Dinitrotoluene (2,6-DNT	mg/Kg	1.70	1.6	96	46 - 124	1.5	90	7.40	20	J
Acenaphthylene	mg/Kg	1.70	1.6	98	39 - 116	1.6	95	4.30	20	J
3-Nitroaniline	mg/Kg	1.70	1.6	96	33 - 119	1.5	93	4.20	20	J
Acenaphthene	mg/Kg	1.70	1.4	83	44 - 111	1.3	80	5.90	20	J
Dibenzofuran	mg/Kg	1.70	1.4	85	35 - 108	1.4	85	1.80	20	J
2,4-Dinitrotoluene (2,4-DNT	mg/Kg	1.70	1.6	93	48 - 126	1.5	92	2.50	20	J
Diethyl phthalate	mg/Kg	1.70	1.5	89	50 - 124	1.5	88	3.40	20	J
Fluorene	mg/Kg	1.70	1.5	87	47 - 114	1.4	86	3.30	20	J
4-Chlorophenyl Phenyl Eth	mg/Kg	1.70	1.4	85	45 - 121	1.4	84	2	20	J
4-Nitroaniline	mg/Kg	1.70	1.6	94	79 - 122	1.6	96	0.70	20	J
4-Bromophenyl Phenyl Eth	mg/Kg	1.70	1.4	85	46 - 124	1.4	86	0	20	J
Hexachlorobenzene	mg/Kg	1.70	1.5	86	45 - 122	1.4	84	4.30	20	J
Phenanthrene	mg/Kg	1.70	1.5	87	49 - 133	1.5	88	0.10	20	J
Anthracene	mg/Kg	1.70	1.4	86	50 - 114	1.4	87	0.20	20	J
Carbazole	mg/Kg	1.70	1.5	90	36 - 123	1.5	92	0.20	20	J
Di-n-Butyl Phthalate	mg/Kg	1.70	1.5	91	51 - 128	1.5	93	0.10	20	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Batch: MSSj/4191 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3550B
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Fluoranthene	mg/Kg	1.70	1.5	90	55 - 119	1.5	92	1.30	20	J
Pyrene	mg/Kg	1.70	1.4	86	55 - 117	1.5	89	3	20	J
Butyl benzyl phthalate	mg/Kg	1.70	1.5	90	48 - 132	1.6	94	2.20	20	J
Benzo[a]anthracene	mg/Kg	1.70	1.5	90	54 - 122	1.5	91	0.20	20	J
3,3`-Dichlorobenzidine	mg/Kg	1.70	1.3	74	22 - 121	1.2	75	0.90	20	J
Chrysene	mg/Kg	1.70	1.5	87	57 - 118	1.5	89	0.80	20	J
bis(2-Ethylhexyl) phthalate	mg/Kg	1.70	1.5	91	51 - 133	1.5	92	0.10	20	J
Di-n-octyl Phthalate	mg/Kg	1.70	1.6	93	45 - 140	1.6	95	1.40	20	J
Benzo[b]fluoranthene	mg/Kg	1.70	1.4	86	53 - 128	1.6	98	12	20	J
Benzo[k]fluoranthene	mg/Kg	1.70	1.5	87	56 - 123	1.5	88	0.70	20	J
Benzo[a]pyrene	mg/Kg	1.70	1.5	91	50 - 125	1.6	98	5.50	20	J
Indeno(1,2,3-cd)pyrene	mg/Kg	1.70	1.7	98	49 - 130	1.6	95	4.30	20	J
Dibenzo[a,h]anthracene	mg/Kg	1.70	1.6	97	50 - 129	1.7	100	1.80	20	J
Benzo[g,h,i]perylene	mg/Kg	1.70	1.5	92	49 - 127	1.4	87	6.80	20	J
N-Nitrosodiphenylamine	mg/Kg	1.70	1.3	77	38 - 127	1.2	75	3.30	20	J
Biphenyl	mg/Kg	1.70	1.4	84	40 - 117	1.3	81	5.40	20	J
Atrazine	mg/Kg	1.70	1.5	88	47 - 127	1.5	92	2.70	20	J
Benzaldehyde	mg/Kg	1.70	0.61	36	10 - 90	0.57	35	5.80	20	J
Caprolactam	mg/Kg	1.70	1.6	97	46 - 117	1.6	95	3.30	20	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2,4,6-Tribromophenol (S)	mg/L	1.68	1.39	83	39 - 132	1.43	86	2.50		J
2-Fluorobiphenyl (S)	mg/L	1.68	1.35	80	44 - 115	1.32	80	2.10		J
2-Fluorophenol (S)	mg/L	1.68	1.27	76	35 - 115	1.21	73	4.80		J
2-Methylnaphthalene-d10 (S)	mg/L	1.68	1.33	79	50 - 150	1.36	82	2.50		J
Fluoranthene-d10 (S)	mg/L	1.68	1.43	85	50 - 150	1.52	92	5.70		J
Nitrobenzene-d5 (S)	mg/L	1.68	1.31	78	37 - 122	1.25	76	4.40		J
Phenol-d6 (S)	mg/L	1.68	1.29	76	33 - 122	1.21	73	6.40		J
p-Terphenyl-d14 (S)	mg/L	1.68	1.34	80	54 - 127	1.39	84	3.70		J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Result Comments

Method Blank - 5430592 - 2,4-Dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Method Blank - 5430592 - 2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Method Blank - 5430592 - Hexachlorocyclopentadiene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample - 5430593 - 2,4-Dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample - 5430593 - Hexachlorocyclopentadiene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5430594 - 2,4-Dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5430594 - 2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5430595 - 2,4-Dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5430595 - 2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Results

QC Batch: MSVj/10369 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Method Blank(5425650)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Dichlorodifluoromethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Chloromethane	0.0030U	mg/Kg	0.0015	0.0030	0.0060	J
Vinyl Chloride	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Bromomethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Chloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Trichlorofluoromethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Acetone	0.0030U	mg/Kg	0.0015	0.0030	0.0060	J
1,1-Dichloroethylene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Methylene Chloride	0.0030U	mg/Kg	0.0015	0.0030	0.0060	J
Carbon Disulfide	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
trans-1,2-Dichloroethylene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Methyl tert-butyl Ether (MTBE)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,1-Dichloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
2-Butanone (MEK)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
cis-1,2-Dichloroethylene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Chloroform	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2-Dichloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,1,1-Trichloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Carbon Tetrachloride	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Benzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2-Dichloropropane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Trichloroethene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Bromodichloromethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
cis-1,3-Dichloropropene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
4-Methyl-2-pentanone (MIBK)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
trans-1,3-Dichloropropylene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,1,2-Trichloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Toluene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
2-Hexanone	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Dibromochloromethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Ethylene Dibromide (EDB)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Batch: MSVj/10369 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Parameter	Results	Units	DL	LOD	LOQ	Lab
Tetrachloroethylene (PCE)	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Chlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Ethylbenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Bromoform	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Styrene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,1,2,2-Tetrachloroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Isopropylbenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,3-Dichlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,4-Dichlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2-Dichlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,2-Dibromo-3-Chloropropane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Xylene (Total)	0.0045U	mg/Kg	0.0022	0.0045	0.0090	J
1,1,2-Trichlorotrifluoroethane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
1,4-Dioxane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Methyl Cyclohexane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Methyl Acetate	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J
Cyclohexane	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	56.40	113	71 - 136	J
Bromofluorobenzene (S)	ug/L	50	54.60	109	79 - 119	J
Toluene-d8 (S)	ug/L	50	47.60	95	85 - 116	J

Lab Control Sample (5425651)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	mg/Kg	0.02	0.025	127	29 - 149	J
Chloromethane	mg/Kg	0.02	0.026	132	50 - 136	J
Vinyl Chloride	mg/Kg	0.02	0.026	132	56 - 135	J
Bromomethane	mg/Kg	0.02	0.028	138	53 - 143	J
Chloroethane	mg/Kg	0.02	0.027	135	59 - 139	J
Trichlorofluoromethane	mg/Kg	0.02	0.025	125	62 - 140	J
Acetone	mg/Kg	0.02	0.022	109	36 - 164	J
1,1-Dichloroethylene	mg/Kg	0.02	0.025	127	70 - 131	J
Methylene Chloride	mg/Kg	0.02	0.024	118	70 - 128	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Batch: MSVj/10369 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Carbon Disulfide	mg/Kg	0.02	0.023	115	63 - 132	J
trans-1,2-Dichloroethylene	mg/Kg	0.02	0.025	124	74 - 125	J
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.02	0.022	108	73 - 125	J
1,1-Dichloroethane	mg/Kg	0.02	0.025	124	76 - 125	J
2-Butanone (MEK)	mg/Kg	0.02	0.022	110	51 - 148	J
cis-1,2-Dichloroethylene	mg/Kg	0.02	0.024	121	77 - 123	J
Chloroform	mg/Kg	0.02	0.024	120	78 - 123	J
1,2-Dichloroethane	mg/Kg	0.02	0.023	117	73 - 128	J
1,1,1-Trichloroethane	mg/Kg	0.02	0.023	117	73 - 130	J
Carbon Tetrachloride	mg/Kg	0.02	0.023	116	70 - 135	J
Benzene	mg/Kg	0.02	0.024	118	77 - 121	J
1,2-Dichloropropane	mg/Kg	0.02	0.024	122	76 - 123	J
Trichloroethene	mg/Kg	0.02	0.023	115	77 - 123	J
Bromodichloromethane	mg/Kg	0.02	0.023	114	75 - 127	J
cis-1,3-Dichloropropene	mg/Kg	0.02	0.021	105	74 - 126	J
4-Methyl-2-pentanone (MIBK)	mg/Kg	0.02	0.02	100	65 - 135	J
trans-1,3-Dichloropropylene	mg/Kg	0.02	0.02	102	71 - 130	J
1,1,2-Trichloroethane	mg/Kg	0.02	0.021	104	78 - 121	J
Toluene	mg/Kg	0.02	0.021	107	77 - 121	J
2-Hexanone	mg/Kg	0.02	0.019	95	53 - 145	J
Dibromochloromethane	mg/Kg	0.02	0.02	100	74 - 126	J
Ethylene Dibromide (EDB)	mg/Kg	0.02	0.021	103	78 - 122	J
Tetrachloroethylene (PCE)	mg/Kg	0.02	0.021	105	73 - 128	J
Chlorobenzene	mg/Kg	0.02	0.02	100	79 - 120	J
Ethylbenzene	mg/Kg	0.02	0.021	105	76 - 122	J
Bromoform	mg/Kg	0.02	0.019	95	67 - 132	J
Styrene	mg/Kg	0.02	0.02	98	76 - 124	J
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	0.023	115	70 - 124	J
Isopropylbenzene	mg/Kg	0.02	0.02	102	68 - 134	J
1,3-Dichlorobenzene	mg/Kg	0.02	0.018	90	77 - 121	J
1,4-Dichlorobenzene	mg/Kg	0.02	0.017	87	75 - 120	J
1,2-Dichlorobenzene	mg/Kg	0.02	0.018	90	78 - 121	J
1,2-Dibromo-3-Chloropropane	mg/Kg	0.02	0.018	89	61 - 132	J
Xylene (Total)	mg/Kg	0.06	0.062	104	78 - 124	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Batch: MSVj/10369 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,1,2-Trichlorotrifluoroethane	mg/Kg	0.02	0.024	118	66 - 136	J
1,4-Dioxane	mg/Kg	0.02	0.022	110	55 - 138	J
Methyl Cyclohexane	mg/Kg	0.02	0.023	116	66 - 133	J
Methyl Acetate	mg/Kg	0.02	0.024	120	53 - 144	J
Cyclohexane	mg/Kg	0.02	0.024	121	67 - 131	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	53.80	108	71 - 136	J
Bromofluorobenzene (S)	ug/L	50	50.70	101	79 - 119	J
Toluene-d8 (S)	ug/L	50	49.20	98	85 - 116	J

Matrix Spike (5425652); Matrix Spike Duplicate (5425653); Original (J2411208014); Parent Lab Sample (J2411208014)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	mg/Kg	0.0410	0.065	**158**	29 - 149	0.056	138	15	20	J
Chloromethane	mg/Kg	0.0410	0.065	**157**	50 - 136	0.057	**140**	13	20	J
Vinyl Chloride	mg/Kg	0.0410	0.068	**165**	56 - 135	0.057	**141**	17	20	J
Bromomethane	mg/Kg	0.0410	0.058	140	53 - 143	0.053	130	9.30	20	J
Chloroethane	mg/Kg	0.0410	0.07	**170**	59 - 139	0.059	**146**	17	20	J
Trichlorofluoromethane	mg/Kg	0.0410	0.067	**163**	62 - 140	0.057	140	16	20	J
Acetone	mg/Kg	0.0410	0.067	162	36 - 164	0.063	156	5.60	20	J
1,1-Dichloroethylene	mg/Kg	0.0410	0.064	**155**	70 - 131	0.056	**137**	14	20	J
Methylene Chloride	mg/Kg	0.0410	0.057	**137**	70 - 128	0.049	120	15	20	J
Carbon Disulfide	mg/Kg	0.0410	0.053	127	63 - 132	0.04	99	**27**	20	J
trans-1,2-Dichloroethylen	mg/Kg	0.0410	0.061	**148**	74 - 125	0.052	**128**	16	20	J
Methyl tert-butyl Ether (MT	mg/Kg	0.0410	0.05	120	73 - 125	0.044	107	13	20	J
1,1-Dichloroethane	mg/Kg	0.0410	0.061	**147**	76 - 125	0.052	**128**	16	20	J
2-Butanone (MEK)	mg/Kg	0.0410	0.015	**36**	51 - 148	0.013	**31**	16	20	J
cis-1,2-Dichloroethylene	mg/Kg	0.0410	0.056	**134**	77 - 123	0.047	116	16	20	J
Chloroform	mg/Kg	0.0410	0.059	**143**	78 - 123	0.051	**125**	15	20	J
1,2-Dichloroethane	mg/Kg	0.0410	0.056	**134**	73 - 128	0.049	121	12	20	J
1,1,1-Trichloroethane	mg/Kg	0.0410	0.059	**142**	73 - 130	0.049	121	18	20	J
Carbon Tetrachloride	mg/Kg	0.0410	0.059	**142**	70 - 135	0.05	123	16	20	J
Benzene	mg/Kg	0.0410	0.058	**140**	77 - 121	0.049	120	17	20	J
1,2-Dichloropropane	mg/Kg	0.0410	0.058	**139**	76 - 123	0.05	122	15	20	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Batch: MSVj/10369 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Trichloroethene	mg/Kg	0.0410	0.059	**142**	77 - 123	0.049	120	18	20	J
Bromodichloromethane	mg/Kg	0.0410	0.055	**134**	75 - 127	0.047	117	15	20	J
cis-1,3-Dichloropropene	mg/Kg	0.0410	0.043	104	74 - 126	0.036	90	16	20	J
4-Methyl-2-pentanone (MIB	mg/Kg	0.0410	0.034	82	65 - 135	0.03	75	10	20	J
trans-1,3-Dichloropropylene	mg/Kg	0.0410	0.043	104	71 - 130	0.037	91	15	20	J
1,1,2-Trichloroethane	mg/Kg	0.0410	0.049	118	78 - 121	0.042	104	14	20	J
Toluene	mg/Kg	0.0410	0.051	**124**	77 - 121	0.043	107	17	20	J
2-Hexanone	mg/Kg	0.0410	0.018	**45**	53 - 145	0.015	**37**	**21**	20	J
Dibromochloromethane	mg/Kg	0.0410	0.045	110	74 - 126	0.04	97	14	20	J
Ethylene Dibromide (EDB)	mg/Kg	0.0410	0.046	111	78 - 122	0.04	98	14	20	J
Tetrachloroethylene (PCE)	mg/Kg	0.0410	0.047	115	73 - 128	0.04	99	17	20	J
Chlorobenzene	mg/Kg	0.0410	0.044	108	79 - 120	0.038	94	15	20	J
Ethylbenzene	mg/Kg	0.0410	0.049	118	76 - 122	0.04	99	19	20	J
Bromoform	mg/Kg	0.0410	0.04	96	67 - 132	0.035	87	11	20	J
Styrene	mg/Kg	0.0410	0.039	95	76 - 124	0.032	80	19	20	J
1,1,2,2-Tetrachloroethane	mg/Kg	0.0410	0.046	111	70 - 124	0.041	100	12	20	J
Isopropylbenzene	mg/Kg	0.0410	0.047	113	68 - 134	0.038	93	**21**	20	J
1,3-Dichlorobenzene	mg/Kg	0.0410	0.036	88	77 - 121	0.029	**71**	**23**	20	J
1,4-Dichlorobenzene	mg/Kg	0.0410	0.035	86	75 - 120	0.028	**70**	**22**	20	J
1,2-Dichlorobenzene	mg/Kg	0.0410	0.034	83	78 - 121	0.028	**69**	20	20	J
1,2-Dibromo-3-Chloropropa	mg/Kg	0.0410	0.034	82	61 - 132	0.031	77	8.20	20	J
Xylene (Total)	mg/Kg	0.12	0.14	115	78 - 124	0.12	99	16	20	J
1,1,2-Trichlorotrifluoroeth	mg/Kg	0.0410	0.06	**145**	66 - 136	0.051	126	15	20	J
1,4-Dioxane	mg/Kg	0.0410	0.049	118	55 - 138	0.041	100	18	20	J
Methyl Cyclohexane	mg/Kg	0.0410	0.055	132	66 - 133	0.042	104	**25**	20	J
Methyl Acetate	mg/Kg	0.0410	0.019	**46**	53 - 144	0.019	**46**	1.20	20	J
Cyclohexane	mg/Kg	0.0410	0.06	**146**	67 - 131	0.049	120	**21**	20	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	103	114	111	71 - 136	113	111	1.50		J
Bromofluorobenzene (S)	ug/L	103	106	103	79 - 119	103	101	2.90		J
Toluene-d8 (S)	ug/L	103	101	98	85 - 116	98.90	97	1.80		J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Result Comments
Method Blank - 5425650 - 1,1-Dichloroethane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Method Blank - 5425650 - 1,1-Dichloroethylene
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Method Blank - 5425650 - 1,2-Dichloropropane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Method Blank - 5425650 - Bromomethane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Method Blank - 5425650 - Chloroethane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Method Blank - 5425650 - Chloromethane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Method Blank - 5425650 - Cyclohexane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Method Blank - 5425650 - Dichlorodifluoromethane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Method Blank - 5425650 - Trichlorofluoromethane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Method Blank - 5425650 - Vinyl Chloride
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Method Blank - 5425650 - cis-1,2-Dichloroethylene
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Method Blank - 5425650 - trans-1,2-Dichloroethylene
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Lab Control Sample - 5425651 - 1,1-Dichloroethane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Lab Control Sample - 5425651 - 1,1-Dichloroethylene
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Lab Control Sample - 5425651 - 1,2-Dichloropropane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Lab Control Sample - 5425651 - Bromomethane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Lab Control Sample - 5425651 - Chloroethane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Lab Control Sample - 5425651 - Chloromethane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Result Comments

Lab Control Sample - 5425651 - Cyclohexane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Lab Control Sample - 5425651 - Dichlorodifluoromethane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Lab Control Sample - 5425651 - Trichlorofluoromethane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Lab Control Sample - 5425651 - Vinyl Chloride
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Lab Control Sample - 5425651 - cis-1,2-Dichloroethylene
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Lab Control Sample - 5425651 - trans-1,2-Dichloroethylene
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Matrix Spike - 5425652 - 1,1,1-Trichloroethane
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5425652 - 1,1,2-Trichlorotrifluoroethane
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5425652 - 1,1-Dichloroethane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5425652 - 1,1-Dichloroethylene
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5425652 - 1,2-Dichloroethane
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5425652 - 1,2-Dichloropropane
*|MS/MSD recovery and/or RPD is out of criteria
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Matrix Spike - 5425652 - 2-Butanone (MEK)
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5425652 - 2-Hexanone
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5425652 - Benzene
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5425652 - Bromodichloromethane
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5425652 - Bromomethane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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QC Result Comments

Matrix Spike - 5425652 - Carbon Tetrachloride
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5425652 - Chloroethane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5425652 - Chloroform
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5425652 - Chloromethane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5425652 - Cyclohexane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5425652 - Dichlorodifluoromethane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5425652 - Methyl Acetate
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5425652 - Methylene Chloride
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5425652 - Toluene
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5425652 - Trichloroethene
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5425652 - Trichlorofluoromethane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5425652 - Vinyl Chloride
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5425652 - cis-1,2-Dichloroethylene
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike - 5425652 - trans-1,2-Dichloroethylene
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
*|MS/MSD recovery and/or RPD is out of criteria

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QC Result Comments

Matrix Spike Duplicate - 5425653 - 1,1-Dichloroethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425653 - 1,1-Dichloroethylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425653 - 1,2-Dichlorobenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425653 - 1,2-Dichloropropane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5425653 - 1,3-Dichlorobenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425653 - 1,4-Dichlorobenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425653 - 2-Butanone (MEK)

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425653 - 2-Hexanone

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425653 - Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5425653 - Carbon Disulfide

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425653 - Chloroethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425653 - Chloroform

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425653 - Chloromethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425653 - Cyclohexane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5425653 - Dichlorodifluoromethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5425653 - Isopropylbenzene

*|MS/MSD recovery and/or RPD is out of criteria

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QC Result Comments

Matrix Spike Duplicate - 5425653 - Methyl Acetate
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5425653 - Methyl Cyclohexane
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5425653 - Trichlorofluoromethane
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Matrix Spike Duplicate - 5425653 - Vinyl Chloride
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5425653 - cis-1,2-Dichloroethylene
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Matrix Spike Duplicate - 5425653 - trans-1,2-Dichloroethylene
Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Results

QC Batch: MSVj/10400 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5035
Associated Lab IDs: J2411336001, J2411336002, J2411336003, J2411336004

Method Blank(5431158)

Parameter	Results	Units	DL	LOD	LOQ	Lab
1,2,4-Trichlorobenzene	0.0015U	mg/Kg	0.00075	0.0015	0.0030	J

Lab Control Sample (5431159)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2,4-Trichlorobenzene	mg/Kg	0.02	0.015	76	67 - 129	J

QC Result Comments

Method Blank - 5431158 - 1,2,4-Trichlorobenzene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample - 5431159 - 1,2,4-Trichlorobenzene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
CVAj/2537 - DoD SW-846 7471A			
J2411336001	SB-2-0-2	DGMj/8775	SW-846 7471A
J2411336002	SB-2-7-8	DGMj/8775	SW-846 7471A
J2411336003	SB-6-0-2	DGMj/8775	SW-846 7471A
J2411336004	SB-6-5-6	DGMj/8775	SW-846 7471A
GCSj/6777 - DoD SW-846 8141B			
J2411336001	SB-2-0-2	EXTj/9710	DOD EPA 3546
J2411336002	SB-2-7-8	EXTj/9710	DOD EPA 3546
J2411336003	SB-6-0-2	EXTj/9710	DOD EPA 3546
J2411336004	SB-6-5-6	EXTj/9710	DOD EPA 3546
GCSj/6784 - DoD SW-846 8082A			
J2411336001	SB-2-0-2	EXTj/9709	DOD EPA 3546
J2411336002	SB-2-7-8	EXTj/9709	DOD EPA 3546
J2411336003	SB-6-0-2	EXTj/9709	DOD EPA 3546
J2411336004	SB-6-5-6	EXTj/9709	DOD EPA 3546
GCSj/6785 - DOD SW-846 8081B			
J2411336001	SB-2-0-2	EXTj/9708	DOD EPA 3546
J2411336002	SB-2-7-8	EXTj/9708	DOD EPA 3546
J2411336003	SB-6-0-2	EXTj/9708	DOD EPA 3546
J2411336004	SB-6-5-6	EXTj/9708	DOD EPA 3546
ICMj/4586 - DoD SW-846 6020A			
J2411336001	SB-2-0-2	DGMj/8816	SW-846 3050B
J2411336002	SB-2-7-8	DGMj/8816	SW-846 3050B
J2411336003	SB-6-0-2	DGMj/8816	SW-846 3050B
J2411336004	SB-6-5-6	DGMj/8816	SW-846 3050B
ICPj/3752 - DoD SW-846 6010C			
J2411336001	SB-2-0-2	DGMj/8757	SW-846 3050B
J2411336002	SB-2-7-8	DGMj/8757	SW-846 3050B
J2411336003	SB-6-0-2	DGMj/8757	SW-846 3050B
J2411336004	SB-6-5-6	DGMj/8757	SW-846 3050B

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411336)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSSj/4191 - DoD SW-846 8270D			
J2411336001	SB-2-0-2	EXTj/9723	SW-846 3550B
J2411336002	SB-2-7-8	EXTj/9723	SW-846 3550B
J2411336003	SB-6-0-2	EXTj/9723	SW-846 3550B
J2411336004	SB-6-5-6	EXTj/9723	SW-846 3550B
MSVj/10369 - DoD SW-846 8260C			
J2411336001	SB-2-0-2	MSVj/10368	SW-846 5035
J2411336002	SB-2-7-8	MSVj/10368	SW-846 5035
J2411336003	SB-6-0-2	MSVj/10368	SW-846 5035
J2411336004	SB-6-5-6	MSVj/10368	SW-846 5035
MSVj/10400 - DoD SW-846 8260C			
J2411336001	SB-2-0-2	MSVj/10399	SW-846 5035
J2411336002	SB-2-7-8	MSVj/10399	SW-846 5035
J2411336003	SB-6-0-2	MSVj/10399	SW-846 5035
J2411336004	SB-6-5-6	MSVj/10399	SW-846 5035
WCAj/15485 - SM 2540G			
J2411336001	SB-2-0-2		
J2411336002	SB-2-7-8		
J2411336003	SB-6-0-2		
J2411336004	SB-6-5-6		

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☐ **Fort Myers:** 13100 Westlinks Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: E84492
☑ **Jacksonville:** 6681 Southpoint Pkwy., FL 32216 • 904.363.9350 • Lab ID: E82574
☐ **Tallahassee:** 2639 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: E811095
☐ **Gai** ... FL 32608 • 352.377.2349 • Lab ID: E82001
☐ **Mi**
☐ **Ta**

* J 2 4 1 1 3 3 6 *

Client Name:	Aerostar SES LLC	Project Name:	Rio Puerto Nuevo DMMA
Address:	3550 St Johns Bluff Rd South	Project Number:	117.24.1078.0001
	Jacksonville, FL 32224	PO Number:	
Phone:	904-565-2820	FDEP Facility No:	
FAX:		FDEP Facility Addr:	
Contact:	Rick Levin		
Sampled By:	Rick Levin / Ryan Reynolds	Special Instructions:	
Turn Around Time:	(Standard) Rush		
AEL Profile #:	78092	ADaPT EQuIS Other	

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	BOTTLE SIZE & TYPE	40 mL Vials	8 oz Jar	4 oz Jar								LABORATORY I.D. NUMBER
	ANALYSIS REQUIRED							8260 VOCs + 1,4 Dioxane	8270 TCL/8082/8081/8141	PP Metals (6020/7470)								
	Preservation							MeOH/DI	Ice	Ice								
	Field-Filtered?																	
SB-2-0-2		C	8-1-24	1105	SO	6		X	X	X								001
SB-2-7-8		C	8-1-24	1140	SO	6		X	X	X								002
SB-6-0-2		C	8-1-24	1245	SO	6		X	X	X								003
SB-6-5-6		C	8-1-24	1315	SO	6		X	X	X								004

Matrix Code: **WW** = wastewater **SW** = surface water **GW** = ground water **DW** = drinking water **O** = oil **A** = air **SO** = soil **SL** = sludge

Preservation Code: I = ice H=(HCl) S = (H_2SO_4) N = (HNO_3) T = (Sodium Thiosulfate)

Received on Ice ☑ Yes ☐ No ☑ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temp. when received (observed) ____ °C Temp. when received (corrected) 3.7 °C

DCN: AD-D051web Form last revised 08/07/2019 Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A

	Relinquished by:	Date	Time	Received by:	Date	Time
1		8-2-24	1000	FEDEX	8-2-24	1000
2	FEDEX	8-3-24	0900	T Campbell	8-3-24	0900
3						
4						

FOR DRINKING WATER USE:

(When PWS Information not otherwise supplied) PWS ID: _____

Contact Person: _____

Supplier of Water: _____

Site-Address: _____

Advanced Environmental Labs Inc

Client: Aerostar SES

Project name: Rio Puerto Nuevo DMMA

Date/Time Rcvd: 8-3-24 0900

Log-In request number: J2411336

Received by: TC

Completed by: SL

Cooler/Shipping Information:

Courier: ☐ AEL ☐ Client ☐ UPS ☐ Blue Streak ☑ FedEx ☐ AES ☐ ASAP ☐ Other (describe): _____

Type: ☑ Cooler ☐ Box ☐ Other (describe) _____

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

Cooler ID	1-3				
Temp (°C)	3.7				
Temp taken from	☑ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler
Temp measured with	☐ IR gun S/N 9333779 ☑ Thermometer (enter ID): 39A	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):

Other Information:

Any discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact?	✓		
2. Were custody papers properly included with samples?	✓		
3. Were custody papers properly filled out (ink, signed, match labels)?	✓		
4. Did all bottles arrive in good condition (unbroken)?	✓		
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	✓		
6. Did the sample labels agree with the chain of custody?	✓		
7. Were correct bottles used for the tests indicated?	✓		
8. Were proper sample preservation techniques indicated on the label?	✓		
9. Were samples received within holding times?	✓		
10. Were all VOA vials free of the presence of air bubbles?	✓		
11. Have all Soil VOA Vials and Encores been placed in a freezer within 48 hours of collection?	✓		
12. Were samples in direct contact with wet ice? If "No," check one: ☐ NO ICE ☐ BLUE ICE	✓		
13. Was the cooler temperature less than 6°C?	✓		
14. Where pH preservation is required, are sample pHs checked and any anomalies recorded by Sample control? Are all <2 or >10? Note: VOA samples are checked by laboratory analysts.	✓		
15. Was sufficient sample volume provided to perform all tests?	✓		
16. If for Bacteriological testing, were containers supplied by AEL? (See QA officer if answer is no)			✓
17. Were all sample containers provided by AEL? (Other than Bacteriological)	✓		
18. Were samples accepted into the laboratory?	✓		
19. When necessary to split samples into other bottles, is it noted in the comments?	✓		
20. Where Encores received and if so, how many?		✓	

Comments: (Note all sample(s) and container (s)" with a "No" checklist response in this comment section)

DCN: AD-D048
Eff date 2/3/10, Last rev 2/3/21

Advanced Environmental Laboratories, Inc.

Work Order: J2411336
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6785

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DOD SW-846 8081B

Preparation: DOD EPA 3546

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: The upper control criterion was exceeded for delta-BHC and 4,4'-DDD in Continuing Calibration Verification (CCV) standards for analytical batch GCSj: 6785, indicating increased sensitivity. The client samples in this batch that did not contain the analytes in question were reported. Since the apparent problem equates to a potential high bias, the data quality is not affected. The data has been qualified accordingly.
The lower control criterion was not met for the analytes 4,4`-DDT and Methoxychlor in Continuing Calibration Verification (CCV) standard associated with sample J2411336002 due to difficult sample matrix. The sample matrices caused a low bias for the analytes in question in the original analysis of the samples. The samples were analyzed a second time at a higher dilution to reduce the effects of the sample matrix interferences on the ending bracketing CCV recoveries. The bracketing CCV standard in the re-analysis met QC criteria. The re-analysis results were reported for 4,4`-DDT and Methoxychlor.

Blanks: All acceptance criteria were met.

Surrogates: The control criteria were exceeded for surrogates Tetrachloro-m-xylene and/or Decachlorobiphenyl in J2411336003, associated Matrix Spike (MS) and Matrix Spike Duplicate (MSD), J2411336004 and J2411336002. The associated QC analysis recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outliers were flagged accordingly. The data was qualified accordingly.

Spikes All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Internal Standard:	All acceptance criteria were met.
Samples:	The samples J2411336003, associated Matrix Spike (MS) and Matrix Spike Duplicate (MSD), J2411336004 and J2411336002 were diluted prior to instrumental analysis. The extracts were highly colored and viscous which indicated the need to perform a dilution prior to injection into the instrument.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411336
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 3752

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 6010C

Preparation: SW-846 3050B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes: The matrix spike (MS) and matrix spike duplicate (MSD) recoveries of multiple analytes were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) were acceptable, which indicates the analytical batch was in control. The post spike (PS) analysis was outside control criteria for multiple analytes. The data was flagged accordingly.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411336
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 4191

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8270D

Preparation: SW-846 3550B

IV. Preparation

All acceptance criteria were met.

V. Analysis

Calibration: The Continuing Calibration Verification (CCV) standards were below the method acceptance of 80-120% for Atrazine. The samples associated with this CCV will be reanalyzed under a passing CCV and reported.
The upper control criterion was exceeded for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol in Continuing Calibration Verification (CCV) standards for analytical batch 4191, indicating increased sensitivity. The client samples reported in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes: The spike recovery of Hexachlorocyclopentadiene for the Laboratory Control Sample (LCS) was outside the upper control criterion. The analyte in question was not detected in the associated client samples. The error associated with elevated recovery equates to a high bias. The affected data was qualified accordingly. The sample data is not significantly affected. No further corrective action was required.

Internal Standard: All acceptance criteria were met.

Samples:

	The sample J2411336002 were diluted prior to instrumental analysis. The extracts were highly colored and viscous which indicated the need to perform a dilution prior to injection into the instrument.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411336
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 4586

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 6020A

Preparation: SW-846 3050B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes: The matrix spike (MS) and matrix spike duplicate (MSD) recoveries of Thallium for J2411336001 are not calculable due to the spike concentration added being diluted below the LOQ. Recoveries in the Laboratory Control Sample (LCS) were acceptable, which indicates the analytical batch was in control. The post spike (PS) analysis was outside control criteria for Thallium. The data was flagged accordingly.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411336
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 10400

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8260C

Preparation: SW-846 5035

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: The Continuing Calibration Verification (CCV) standards were below the method acceptance of 80-120% for 1,2,4-Trichlorobenzene. The samples were reanalyzed and confirmed results. As the analytes in question were not detected in the field samples, the results are deemed acceptable. The data were qualified accordingly.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes All acceptance criteria were met.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411336
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 15485

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation:	All holding times were met.
Analysis:	All holding times were met.

III. Method

Analysis:	SM 2540G
Preparation:	

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration:	All acceptance criteria were met.
Blanks:	All acceptance criteria were met.
Surrogates:	All acceptance criteria were met.
Spikes	All acceptance criteria were met.
Internal Standard:	All acceptance criteria were met.
Samples:	All acceptance criteria were met.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411336
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6784

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8082A

Preparation: DOD EPA 3546

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: The control criteria were exceeded for surrogates Tetrachloro-m-xylene and/or Decachlorobiphenyl in J2411336002, J2411336003, associated Matrix Spike (MS), J2411336004, and J2411336001. The associated QC analysis recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outliers were flagged accordingly. The data was qualified accordingly.

Spikes All acceptance criteria were met.

Internal Standard: All acceptance criteria were met.

Samples: The samples J2411336002, J2411336003, associated Matrix Spike (MS) and Matrix Spike Duplicate (MSD), and J2411336004 were diluted prior to instrumental analysis. The extracts were highly colored and viscous which indicated the need to perform a dilution prior to injection into the instrument.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411336
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6777

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation:	All holding times were met.
Analysis:	All holding times were met.

III. Method

Analysis:	DoD SW-846 8141B
Preparation:	DOD EPA 3546

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration:	All acceptance criteria were met.
Blanks:	All acceptance criteria were met.
Surrogates:	All acceptance criteria were met.
Spikes	All acceptance criteria were met.
Internal Standard:	All acceptance criteria were met.
Samples:	All acceptance criteria were met.
Other:	All acceptance criteria were met.
Serial Dilution:	Sample J2411336002 was diluted prior to analysis due to color and viscosity. The data is qualified accordingly.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411336
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 10369

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8260C

Preparation: SW-846 5035

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: The upper control criterion was exceeded for several target analytes in the opening and/or closing Continuing Calibration Verification (CCV) standards for analytical batch 10369, indicating increased sensitivity. The client samples reported in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. The data were qualified accordingly.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes The upper control criterion was exceeded for several target analytes in the matrix spike and/or matrix spike duplicate for analytical batch 10369. The analytes in question were not detected in the associated client samples. The error associated with elevated recovery equates to a high bias. The quality of the data is not affected. The data were qualified accordingly. The matrix spike (MS) and/or matrix spike duplicate (MSD) recoveries of several target analytes were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. The affected sample is qualified to indicate matrix interference. The relative percent difference (RPD) for several target analytes in the replicate matrix spike analyses was outside control criteria. Failing RPD indicates inconsistency in the parent sample matrix. All spike recoveries in the associated LCS were within acceptable limits, indicating the analytical batch was in control. The data were qualified accordingly.

Internal Standard:	All acceptance criteria were met.
Samples:	All acceptance criteria were met.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc
6681 Southpoint Pkwy Jacksonville, FL 32216
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

August 23, 2024

Rick Levin
Aerostar SES LLC (ASL)
3550 St Johns Bluff Road South
Jacksonville, FL 32224

RE: Workorder: J2410907 Bechara Lands/Rio Puerto Nuevo

Dear Rick Levin:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday July 26, 2024. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christina M. Tompkins

Chris Tompkins, Project Manager
CTompkins@aellab.com

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
J2410907001	TMW-16	WA	DOD SW-846 8081B	07/23/2024 11:45	07/26/2024 09:00	23	NA
J2410907001	TMW-16	WA	DOD SW-846 8270D SIM	07/23/2024 11:45	07/26/2024 09:00	1	NA
J2410907001	TMW-16	WA	DoD SW-846 6020A	07/23/2024 11:45	07/26/2024 09:00	13	NA
J2410907001	TMW-16	WA	DoD SW-846 7470A	07/23/2024 11:45	07/26/2024 09:00	1	NA
J2410907001	TMW-16	WA	DoD SW-846 8082A	07/23/2024 11:45	07/26/2024 09:00	9	NA
J2410907001	TMW-16	WA	DoD SW-846 8141B	07/23/2024 11:45	07/26/2024 09:00	25	NA
J2410907001	TMW-16	WA	DoD SW-846 8260C	07/23/2024 11:45	07/26/2024 09:00	49	NA
J2410907001	TMW-16	WA	DoD SW-846 8270D	07/23/2024 11:45	07/26/2024 09:00	65	NA
J2410907002	TMW-11	WA	DOD SW-846 8081B	07/23/2024 14:35	07/26/2024 09:00	23	NA
J2410907002	TMW-11	WA	DOD SW-846 8270D SIM	07/23/2024 14:35	07/26/2024 09:00	1	NA
J2410907002	TMW-11	WA	DoD SW-846 6020A	07/23/2024 14:35	07/26/2024 09:00	13	NA
J2410907002	TMW-11	WA	DoD SW-846 7470A	07/23/2024 14:35	07/26/2024 09:00	1	NA
J2410907002	TMW-11	WA	DoD SW-846 8082A	07/23/2024 14:35	07/26/2024 09:00	9	NA
J2410907002	TMW-11	WA	DoD SW-846 8141B	07/23/2024 14:35	07/26/2024 09:00	25	NA
J2410907002	TMW-11	WA	DoD SW-846 8260C	07/23/2024 14:35	07/26/2024 09:00	49	NA
J2410907002	TMW-11	WA	DoD SW-846 8270D	07/23/2024 14:35	07/26/2024 09:00	65	NA
J2410907003	TMW-12	WA	DOD SW-846 8081B	07/24/2024 09:25	07/26/2024 09:00	23	NA
J2410907003	TMW-12	WA	DOD SW-846 8270D SIM	07/24/2024 09:25	07/26/2024 09:00	1	NA
J2410907003	TMW-12	WA	DoD SW-846 6020A	07/24/2024 09:25	07/26/2024 09:00	13	NA
J2410907003	TMW-12	WA	DoD SW-846 7470A	07/24/2024 09:25	07/26/2024 09:00	1	NA
J2410907003	TMW-12	WA	DoD SW-846 8082A	07/24/2024 09:25	07/26/2024 09:00	9	NA
J2410907003	TMW-12	WA	DoD SW-846 8141B	07/24/2024 09:25	07/26/2024 09:00	25	NA
J2410907003	TMW-12	WA	DoD SW-846 8260C	07/24/2024 09:25	07/26/2024 09:00	49	NA
J2410907003	TMW-12	WA	DoD SW-846 8270D	07/24/2024 09:25	07/26/2024 09:00	65	NA
J2410907004	TMW-13	WA	DOD SW-846 8081B	07/23/2024 13:00	07/26/2024 09:00	23	NA
J2410907004	TMW-13	WA	DOD SW-846 8270D SIM	07/23/2024 13:00	07/26/2024 09:00	1	NA
J2410907004	TMW-13	WA	DoD SW-846 6020A	07/23/2024 13:00	07/26/2024 09:00	13	NA
J2410907004	TMW-13	WA	DoD SW-846 7470A	07/23/2024 13:00	07/26/2024 09:00	1	NA
J2410907004	TMW-13	WA	DoD SW-846 8082A	07/23/2024 13:00	07/26/2024 09:00	9	NA
J2410907004	TMW-13	WA	DoD SW-846 8141B	07/23/2024 13:00	07/26/2024 09:00	25	NA
J2410907004	TMW-13	WA	DoD SW-846 8260C	07/23/2024 13:00	07/26/2024 09:00	49	NA
J2410907004	TMW-13	WA	DoD SW-846 8270D	07/23/2024 13:00	07/26/2024 09:00	65	NA

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results Qualifiers

Parameter Qualifiers

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
Q	One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
Q	One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).
J	The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Lab Qualifiers

J	DOH Certification #E82574 (FL NELAC) AEL-Jacksonville DOD-ELAP Certification #L23-514 (ISO/IEC 17025:2017) AEL-Jacksonville

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907001 **Date Collected:** 07/23/2024 11:45 **Matrix:** Water
Sample ID: TMW-16 **Date Received:** 07/26/2024 09:00

Parameter									
METALS (SW-846 3010A/DoD SW-846 6020A)									
Antimony	2.0U	ug/L	1.0	2.0	4.0	1	08/05/2024 06:55	08/05/2024 19:47	J
Barium	**220**	ug/L	2.5	5.0	10	5	08/05/2024 06:55	08/06/2024 11:07	J
Cadmium	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 06:55	08/05/2024 19:47	J
Copper	2.0U	ug/L	1.0	2.0	4.0	1	08/05/2024 06:55	08/05/2024 19:47	J
Nickel	2.5J	ug/L	1.2	2.5	5.0	1	08/05/2024 06:55	08/05/2024 19:47	J
Silver	1.0U	ug/L	0.50	1.0	2.0	1	08/05/2024 06:55	08/05/2024 19:47	J
Zinc	19J	ug/L	6.0	12	24	1	08/05/2024 06:55	08/05/2024 19:47	J
METALS (SW-846 7470A/DoD SW-846 7470A)									
Mercury	**0.23**	ug/L	0.011	0.040	0.10	1	08/02/2024 09:04	08/02/2024 14:10	J
SEMIVOLATILES (SW-846 3510C/DOD SW-846 8081B)									
4,4`-DDD	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:38	J
4,4`-DDE	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:38	J
4,4`-DDT	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:38	J
Aldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	07/30/2024 09:00	08/01/2024 19:38	J
Chlordane (technical)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/01/2024 19:38	J
Dieldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	07/30/2024 09:00	08/01/2024 19:38	J
Endosulfan I	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:38	J
Endosulfan II	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:38	J
Endosulfan Sulfate	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:38	J
Endrin	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:38	J
Endrin Aldehyde	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:38	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907001 **Date Collected:** 07/23/2024 11:45 **Matrix:** Water
Sample ID: TMW-16 **Date Received:** 07/26/2024 09:00

Parameter									
Heptachlor	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:38	J
Hexachlorobenzene	0.020U	ug/L	0.0080	0.020	0.040	1	07/30/2024 09:00	08/01/2024 19:38	J
Toxaphene	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/01/2024 19:38	J
alpha-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:38	J
delta-BHC	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:38	J
gamma-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:38	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.25U	ug/L	0.12	0.25					
Aroclor 1221 (PCB-1221)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 01:47	J
Aroclor 1232 (PCB-1232)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 01:47	J
Aroclor 1242 (PCB-1242)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 01:47	J
Aroclor 1248 (PCB-1248)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 01:47	J
Aroclor 1254 (PCB-1254)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 01:47	J
Aroclor 1260 (PCB-1260)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 01:47	J
Aroclor 1262 (PCB-1262)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 01:47	J
Aroclor 1268 (PCB-1268)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 01:47	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8141B)									
Atrazine	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J
Azinphos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J
Chlorpyrifos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J
Chlorpyrifos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907001 **Date Collected:** 07/23/2024 11:45 **Matrix:** Water
Sample ID: TMW-16 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J
Demeton-O	0.10U	ug/L	0.050	0.10	0.20	1	07/30/2024 09:00	08/02/2024 02:58	J
Demeton-S	0.10U	ug/L	0.050	0.10	0.20	1	07/30/2024 09:00	08/02/2024 02:58	J
Diazinon	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J
Dimethoate	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J
Disulfoton	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J
Ethion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J
Ethoprop	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J
Famphur	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J
Fensulfothion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J
Fonophos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J
Malathion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J
Merphos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J
Methyl Parathion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J
Mevinphos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J
Parathion (Ethyl)	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J
Phorate	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J
Phosmet	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J
Ronnel	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J
Simazine	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J
Sulfotep	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 02:58	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
2,4,6-Trichlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
2,4-Dichlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
2,4-Dimethylphenol	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 17:16	J
2,4-Dinitrophenol	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907001 **Date Collected:** 07/23/2024 11:45 **Matrix:** Water
Sample ID: TMW-16 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 17:16	J
2,6-Dinitrotoluene (2,6-DNT)	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 17:16	J
2-Chloronaphthalene	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
2-Chlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
2-Methyl-4,6-dinitrophenol	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 17:16	J
2-Methylnaphthalene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 17:16	J
2-Methylphenol (o-Cresol)	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
2-Nitroaniline	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
2-Nitrophenol	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
3+4-Methylphenol(mp-Cresol)	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 17:16	J
3,3`-Dichlorobenzidine	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 17:16	J
3-Nitroaniline	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
4-Bromophenyl Phenyl Ether	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
4-Chloro-3-methylphenol	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
4-Chloroaniline	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
4-Chlorophenyl Phenyl Ether	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 17:16	J
4-Nitroaniline	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
4-Nitrophenol	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 17:16	J
Acenaphthene	0.18J	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 17:16	J
Acenaphthylene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 17:16	J
Acetophenone	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
Anthracene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 17:16	J
Atrazine	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 17:16	J
Benzaldehyde	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 17:16	J
Benzo[a]anthracene	0.11U	ug/L	0.055	0.11	0.44	1	07/29/2024 08:00	07/31/2024 17:16	J
Benzo[a]pyrene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 17:16	J
Benzo[b]fluoranthene	0.11U	ug/L	0.055	0.11	0.44	1	07/29/2024 08:00	07/31/2024 17:16	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907001 **Date Collected:** 07/23/2024 11:45 **Matrix:** Water
Sample ID: TMW-16 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 17:16	J
Benzo[k]fluoranthene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 17:16	J
Biphenyl	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 17:16	J
Butyl benzyl phthalate	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 17:16	J
Caprolactam	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 17:16	J
Carbazole	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 17:16	J
Chrysene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 17:16	J
Di-n-Butyl Phthalate	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 17:16	J
Di-n-octyl Phthalate	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 17:16	J
Dibenzo[a,h]anthracene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 17:16	J
Dibenzofuran	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 17:16	J
Diethyl phthalate	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
Dimethyl phthalate	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
Fluoranthene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 17:16	J
Fluorene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 17:16	J
Hexachlorobenzene	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
Hexachlorobutadiene	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
Hexachlorocyclopentadiene	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 17:16	J
Hexachloroethane	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
Indeno(1,2,3-cd)pyrene	0.11U	ug/L	0.055	0.11	0.44	1	07/29/2024 08:00	07/31/2024 17:16	J
Isophorone	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
N-Nitrosodi-n-propylamine	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 17:16	J
N-Nitrosodiphenylamine	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 17:16	J
Naphthalene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 17:16	J
Nitrobenzene	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
Pentachlorophenol	2.1U	ug/L	1.1	2.1	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
Phenanthrene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 17:16	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907001 **Date Collected:** 07/23/2024 11:45 **Matrix:** Water
Sample ID: TMW-16 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Phenol	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
Pyrene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 17:16	J
bis(2-Chloroethoxy)methane	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
bis(2-Chloroethyl)Ether	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
bis(2-Chloroisopropyl) Ether	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 17:16	J
bis(2-Ethylhexyl) phthalate	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 17:16	J
VOLATILES (SW-846 3510C/DOD SW-846 8270D SIM)									
1,4-Dioxane	0.45U	ug/L	0.23	0.45	0.91	1	07/30/2024 10:00	08/20/2024 22:42	J
VOLATILES (SW-846 5030B/DoD SW-846 8260C)									
1,1,1-Trichloroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/01/2024 00:44	08/01/2024 07:06	J
1,1,2,2-Tetrachloroethane	1.2U	ug/L	0.60	1.2	3.0	3	08/01/2024 00:44	08/01/2024 07:06	J
1,1,2-Trichloroethane	1.5U	ug/L	0.75	1.5	3.0	3	08/01/2024 00:44	08/01/2024 07:06	J
1,1,2-Trichlorotrifluoroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/01/2024 00:44	08/01/2024 07:06	J
1,1-Dichloroethane	1.5U	ug/L	0.75	1.5	3.0	3	08/01/2024 00:44	08/01/2024 07:06	J
1,1-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/01/2024 00:44	08/01/2024 07:06	J
1,2,4-Trichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/01/2024 00:44	08/01/2024 07:06	J
1,2-Dibromo-3-Chloropropane	7.5U	ug/L	3.8	7.5	15	3	08/01/2024 00:44	08/01/2024 07:06	J
1,2-Dichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/01/2024 00:44	08/01/2024 07:06	J
1,2-Dichloroethane	1.5U	ug/L	0.75	1.5	3.0	3	08/01/2024 00:44	08/01/2024 07:06	J
1,2-Dichloropropane	1.5U	ug/L	0.75	1.5	3.0	3	08/01/2024 00:44	08/01/2024 07:06	J
1,3-Dichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/01/2024 00:44	08/01/2024 07:06	J
1,4-Dichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/01/2024 00:44	08/01/2024 07:06	J
1,4-Dioxane	7.5U	ug/L	3.8	7.5	15	3	08/01/2024 00:44	08/01/2024 07:06	J
2-Butanone (MEK)	1.5U	ug/L	0.75	1.5	3.0	3	08/01/2024 00:44	08/01/2024 07:06	J
2-Hexanone	3.0U	ug/L	1.5	3.0	6.0	3	08/01/2024 00:44	08/01/2024 07:06	J
4-Methyl-2-pentanone (MIBK)	3.0U	ug/L	1.5	3.0	6.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Acetone	**8.2**	ug/L	1.5	3.0	6.0	3	08/01/2024 00:44	08/01/2024 07:06	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907001 **Date Collected:** 07/23/2024 11:45 **Matrix:** Water
Sample ID: TMW-16 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	1.5U	ug/L	0.75	1.5	3.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Bromodichloromethane	1.5U	ug/L	0.75	1.5	3.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Bromoform	1.5U	ug/L	0.75	1.5	3.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Bromomethane	3.0U	ug/L	1.5	3.0	6.0	3	07/31/2024 22:52	08/01/2024 02:32	J
Carbon Disulfide	3.0U	ug/L	1.5	3.0	6.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Carbon Tetrachloride	1.5U	ug/L	0.75	1.5	3.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Chlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Chloroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Chloroform	3.0U	ug/L	1.5	3.0	6.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Chloromethane	1.5U	ug/L	0.75	1.5	3.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Cyclohexane	3.0U	ug/L	1.5	3.0	6.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Dibromochloromethane	1.2U	ug/L	0.60	1.2	3.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Dichlorodifluoromethane	3.0U	ug/L	1.5	3.0	6.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Ethylbenzene	1.5U	ug/L	0.75	1.5	3.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Ethylene Dibromide (EDB)	1.5U	ug/L	0.75	1.5	3.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Isopropylbenzene	1.5U	ug/L	0.75	1.5	3.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Methyl Acetate	3.0U	ug/L	1.5	3.0	6.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Methyl Cyclohexane	3.0U	ug/L	1.5	3.0	6.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Methyl tert-butyl Ether (MTBE)	1.5U	ug/L	0.75	1.5	3.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Methylene Chloride	7.5U	ug/L	3.8	7.5	15	3	08/01/2024 00:44	08/01/2024 07:06	J
Styrene	3.0U	ug/L	1.5	3.0	6.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Tetrachloroethylene (PCE)	1.5U	ug/L	0.75	1.5	3.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Toluene	1.5U	ug/L	0.75	1.5	3.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Trichloroethene	1.5U	ug/L	0.75	1.5	3.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Trichlorofluoromethane	3.0U	ug/L	1.5	3.0	6.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Vinyl Chloride	1.5U	ug/L	0.75	1.5	3.0	3	08/01/2024 00:44	08/01/2024 07:06	J
Xylene (Total)	4.5U	ug/L	2.2	4.5	9.0	3	08/01/2024 00:44	08/01/2024 07:06	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907001 **Date Collected:** 07/23/2024 11:45 **Matrix:** Water
Sample ID: TMW-16 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/01/2024 00:44	08/01/2024 07:06	J
cis-1,3-Dichloropropene	1.2U	ug/L	0.60	1.2	3.0	3	08/01/2024 00:44	08/01/2024 07:06	J
trans-1,2-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/01/2024 00:44	08/01/2024 07:06	J
trans-1,3-Dichloropropylene	1.2U	ug/L	0.60	1.2	3.0	3	08/01/2024 00:44	08/01/2024 07:06	J

Analysis Results Comments

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

4,4`-DDD

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

4,4`-DDE

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

4,4`-DDT

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Acetone

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Aldrin

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Atrazine

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Dieldrin

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Endosulfan I

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Endosulfan II

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Analysis Results Comments

Endosulfan Sulfate

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Endrin

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Endrin Aldehyde

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Endrin ketone

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Heptachlor

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Heptachlor Epoxide

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Methoxychlor

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

alpha-BHC

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

alpha-Chlordane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

beta-BHC

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

delta-BHC

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

gamma-BHC (Lindane)

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

gamma-Chlordane

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	150	152	101	81 - 118	J
Toluene-d8 (S)	ug/L	150	147	98	89 - 112	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	150	151	101	85 - 114	J
Nitrobenzene-d5 (S)	ug/L	10.60	6.53	61	55 - 111	J
Decachlorobiphenyl (S)	ug/L	0.50	0.2860	57	44 - 136	J
Tetrachloro-m-xylene (S)	ug/L	1	0.7680	77	61 - 119	J
2,4,6-Tribromophenol (S)	ug/L	55.60	45.30	81	43 - 140	J
Phenol-d6 (S)	ug/L	55.60	17.20	31	21 - 132	J
2-Fluorobiphenyl (S)	ug/L	55.60	40.60	73	44 - 119	J
2-Fluorophenol (S)	ug/L	55.60	21.90	39	19 - 119	J
Nitrobenzene-d5 (S)	ug/L	55.60	39.60	71	44 - 120	J
2-Methylnaphthalene-d10 (S)	ug/L	55.60	39.50	71	41 - 131	J
p-Terphenyl-d14 (S)	ug/L	55.60	45.90	83	50 - 134	J
Fluoranthene-d10 (S)	ug/L	55.60	51.50	93	49 - 126	J
Decachlorobiphenyl (S)	ug/L	0.50	0.25	50	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	0.6840	68	44 - 124	J
Tributylphosphate (S)	ug/L	1	0.7980	80	48.50 - 121	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907002 **Date Collected:** 07/23/2024 14:35 **Matrix:** Water
Sample ID: TMW-11 **Date Received:** 07/26/2024 09:00

Parameter									
METALS (SW-846 3010A/DoD SW-846 6020A)									
Antimony	2.0U	ug/L	1.0	2.0	4.0	1	08/05/2024 06:55	08/05/2024 19:53	J
Barium	**500**	ug/L	5.0	10	20	10	08/05/2024 06:55	08/06/2024 11:13	J
Cadmium	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 06:55	08/05/2024 19:53	J
Copper	1.0J	ug/L	1.0	2.0	4.0	1	08/05/2024 06:55	08/05/2024 19:53	J
Nickel	**8.9**	ug/L	1.2	2.5	5.0	1	08/05/2024 06:55	08/05/2024 19:53	J
Silver	1.0U	ug/L	0.50	1.0	2.0	1	08/05/2024 06:55	08/05/2024 19:53	J
Zinc	12J	ug/L	6.0	12	24	1	08/05/2024 06:55	08/05/2024 19:53	J
METALS (SW-846 7470A/DoD SW-846 7470A)									
Mercury	0.040U	ug/L	0.011	0.040	0.10	1	08/02/2024 09:04	08/02/2024 14:13	J
SEMIVOLATILES (SW-846 3510C/DOD SW-846 8081B)									
4,4`-DDD	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:41	J
4,4`-DDE	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:41	J
4,4`-DDT	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:41	J
Aldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	07/30/2024 09:00	08/01/2024 21:41	J
Chlordane (technical)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/01/2024 21:41	J
Dieldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	07/30/2024 09:00	08/01/2024 21:41	J
Endosulfan I	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:41	J
Endosulfan II	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:41	J
Endosulfan Sulfate	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:41	J
Endrin	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:41	J
Endrin Aldehyde	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:41	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907002 **Date Collected:** 07/23/2024 14:35 **Matrix:** Water
Sample ID: TMW-11 **Date Received:** 07/26/2024 09:00

Parameter									
Heptachlor	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:41	J
Hexachlorobenzene	0.020U	ug/L	0.0080	0.020	0.040	1	07/30/2024 09:00	08/01/2024 21:41	J
Toxaphene	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/01/2024 21:41	J
alpha-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:41	J
delta-BHC	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:41	J
gamma-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:41	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.25U	ug/L	0.12	0.25					
Aroclor 1221 (PCB-1221)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:28	J
Aroclor 1232 (PCB-1232)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:28	J
Aroclor 1242 (PCB-1242)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:28	J
Aroclor 1248 (PCB-1248)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:28	J
Aroclor 1254 (PCB-1254)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:28	J
Aroclor 1260 (PCB-1260)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:28	J
Aroclor 1262 (PCB-1262)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:28	J
Aroclor 1268 (PCB-1268)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:28	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8141B)									
Atrazine	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J
Azinphos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J
Chlorpyrifos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J
Chlorpyrifos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J

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6681 Southpoint Pkwy Jacksonville, FL 32216
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907002 **Date Collected:** 07/23/2024 14:35 **Matrix:** Water
Sample ID: TMW-11 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J
Demeton-O	0.10U	ug/L	0.050	0.10	0.20	1	07/30/2024 09:00	08/02/2024 03:59	J
Demeton-S	0.10U	ug/L	0.050	0.10	0.20	1	07/30/2024 09:00	08/02/2024 03:59	J
Diazinon	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J
Dimethoate	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J
Disulfoton	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J
Ethion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J
Ethoprop	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J
Famphur	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J
Fensulfothion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J
Fonophos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J
Malathion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J
Merphos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J
Methyl Parathion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J
Mevinphos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J
Parathion (Ethyl)	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J
Phorate	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J
Phosmet	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J
Ronnel	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J
Simazine	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J
Sulfotep	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:59	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
2,4,6-Trichlorophenol	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
2,4-Dichlorophenol	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
2,4-Dimethylphenol	5.0U	ug/L	2.5	5.0	10	1	07/29/2024 08:00	07/31/2024 17:58	J
2,4-Dinitrophenol	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907002 **Date Collected:** 07/23/2024 14:35 **Matrix:** Water
Sample ID: TMW-11 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	5.0U	ug/L	2.5	5.0	10	1	07/29/2024 08:00	07/31/2024 17:58	J
2,6-Dinitrotoluene (2,6-DNT)	5.0U	ug/L	2.5	5.0	10	1	07/29/2024 08:00	07/31/2024 17:58	J
2-Chloronaphthalene	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
2-Chlorophenol	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
2-Methyl-4,6-dinitrophenol	5.0U	ug/L	2.5	5.0	10	1	07/29/2024 08:00	07/31/2024 17:58	J
2-Methylnaphthalene	0.20U	ug/L	0.10	0.20	0.40	1	07/29/2024 08:00	07/31/2024 17:58	J
2-Methylphenol (o-Cresol)	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
2-Nitroaniline	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
2-Nitrophenol	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
3+4-Methylphenol(mp-Cresol)	5.0U	ug/L	2.5	5.0	10	1	07/29/2024 08:00	07/31/2024 17:58	J
3,3`-Dichlorobenzidine	5.0U	ug/L	2.5	5.0	10	1	07/29/2024 08:00	07/31/2024 17:58	J
3-Nitroaniline	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
4-Bromophenyl Phenyl Ether	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
4-Chloro-3-methylphenol	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
4-Chloroaniline	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
4-Chlorophenyl Phenyl Ether	5.0U	ug/L	2.5	5.0	10	1	07/29/2024 08:00	07/31/2024 17:58	J
4-Nitroaniline	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
4-Nitrophenol	5.0U	ug/L	2.5	5.0	10	1	07/29/2024 08:00	07/31/2024 17:58	J
Acenaphthene	0.20U	ug/L	0.10	0.20	0.40	1	07/29/2024 08:00	07/31/2024 17:58	J
Acenaphthylene	0.20U	ug/L	0.10	0.20	0.40	1	07/29/2024 08:00	07/31/2024 17:58	J
Acetophenone	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
Anthracene	0.20U	ug/L	0.10	0.20	0.40	1	07/29/2024 08:00	07/31/2024 17:58	J
Atrazine	5.0U	ug/L	2.5	5.0	10	1	07/29/2024 08:00	07/31/2024 17:58	J
Benzaldehyde	5.0U	ug/L	2.5	5.0	10	1	07/29/2024 08:00	07/31/2024 17:58	J
Benzo[a]anthracene	0.099U	ug/L	0.050	0.099	0.40	1	07/29/2024 08:00	07/31/2024 17:58	J
Benzo[a]pyrene	0.20U	ug/L	0.10	0.20	0.40	1	07/29/2024 08:00	07/31/2024 17:58	J
Benzo[b]fluoranthene	0.099U	ug/L	0.050	0.099	0.40	1	07/29/2024 08:00	07/31/2024 17:58	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907002 **Date Collected:** 07/23/2024 14:35 **Matrix:** Water
Sample ID: TMW-11 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.20U	ug/L	0.10	0.20	0.40	1	07/29/2024 08:00	07/31/2024 17:58	J
Benzo[k]fluoranthene	0.20U	ug/L	0.10	0.20	0.40	1	07/29/2024 08:00	07/31/2024 17:58	J
Biphenyl	5.0U	ug/L	2.5	5.0	10	1	07/29/2024 08:00	07/31/2024 17:58	J
Butyl benzyl phthalate	5.0U	ug/L	2.5	5.0	10	1	07/29/2024 08:00	07/31/2024 17:58	J
Caprolactam	5.0U	ug/L	2.5	5.0	10	1	07/29/2024 08:00	07/31/2024 17:58	J
Carbazole	0.20U	ug/L	0.10	0.20	0.40	1	07/29/2024 08:00	07/31/2024 17:58	J
Chrysene	0.20U	ug/L	0.10	0.20	0.40	1	07/29/2024 08:00	07/31/2024 17:58	J
Di-n-Butyl Phthalate	5.0U	ug/L	2.5	5.0	10	1	07/29/2024 08:00	07/31/2024 17:58	J
Di-n-octyl Phthalate	5.0U	ug/L	2.5	5.0	10	1	07/29/2024 08:00	07/31/2024 17:58	J
Dibenzo[a,h]anthracene	0.20U	ug/L	0.10	0.20	0.40	1	07/29/2024 08:00	07/31/2024 17:58	J
Dibenzofuran	0.20U	ug/L	0.10	0.20	0.40	1	07/29/2024 08:00	07/31/2024 17:58	J
Diethyl phthalate	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
Dimethyl phthalate	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
Fluoranthene	0.20U	ug/L	0.10	0.20	0.40	1	07/29/2024 08:00	07/31/2024 17:58	J
Fluorene	0.20U	ug/L	0.10	0.20	0.40	1	07/29/2024 08:00	07/31/2024 17:58	J
Hexachlorobenzene	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
Hexachlorobutadiene	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
Hexachlorocyclopentadiene	5.0U	ug/L	2.5	5.0	10	1	07/29/2024 08:00	07/31/2024 17:58	J
Hexachloroethane	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
Indeno(1,2,3-cd)pyrene	0.099U	ug/L	0.050	0.099	0.40	1	07/29/2024 08:00	07/31/2024 17:58	J
Isophorone	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
N-Nitrosodi-n-propylamine	5.0U	ug/L	2.5	5.0	10	1	07/29/2024 08:00	07/31/2024 17:58	J
N-Nitrosodiphenylamine	5.0U	ug/L	2.5	5.0	10	1	07/29/2024 08:00	07/31/2024 17:58	J
Naphthalene	0.20U	ug/L	0.10	0.20	0.40	1	07/29/2024 08:00	07/31/2024 17:58	J
Nitrobenzene	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
Pentachlorophenol	1.9U	ug/L	0.96	1.9	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
Phenanthrene	0.20U	ug/L	0.10	0.20	0.40	1	07/29/2024 08:00	07/31/2024 17:58	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907002 **Date Collected:** 07/23/2024 14:35 **Matrix:** Water
Sample ID: TMW-11 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Phenol	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
Pyrene	0.20U	ug/L	0.10	0.20	0.40	1	07/29/2024 08:00	07/31/2024 17:58	J
bis(2-Chloroethoxy)methane	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
bis(2-Chloroethyl)Ether	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
bis(2-Chloroisopropyl) Ether	2.5U	ug/L	1.2	2.5	5.0	1	07/29/2024 08:00	07/31/2024 17:58	J
bis(2-Ethylhexyl) phthalate	5.0U	ug/L	2.5	5.0	10	1	07/29/2024 08:00	07/31/2024 17:58	J
VOLATILES (SW-846 3510C/DOD SW-846 8270D SIM)									
1,4-Dioxane	0.45U	ug/L	0.23	0.45	0.91	1	07/30/2024 10:00	08/20/2024 23:07	J
VOLATILES (SW-846 5030B/DoD SW-846 8260C)									
1,1,1-Trichloroethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:30	J
1,1,2,2-Tetrachloroethane	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 00:44	08/01/2024 07:30	J
1,1,2-Trichloroethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:30	J
1,1,2-Trichlorotrifluoroethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:30	J
1,1-Dichloroethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:30	J
1,1-Dichloroethylene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:30	J
1,2,4-Trichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:30	J
1,2-Dibromo-3-Chloropropane	12U	ug/L	6.2	12	25	5	08/01/2024 00:44	08/01/2024 07:30	J
1,2-Dichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:30	J
1,2-Dichloroethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:30	J
1,2-Dichloropropane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:30	J
1,3-Dichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:30	J
1,4-Dichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:30	J
1,4-Dioxane	12U	ug/L	6.2	12	25	5	08/01/2024 00:44	08/01/2024 07:30	J
2-Butanone (MEK)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:30	J
2-Hexanone	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:30	J
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:30	J
Acetone	4.8J	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:30	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907002 **Date Collected:** 07/23/2024 14:35 **Matrix:** Water
Sample ID: TMW-11 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:30	J
Bromodichloromethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:30	J
Bromoform	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:30	J
Bromomethane	5.0U	ug/L	2.5	5.0	10	5	07/31/2024 22:52	08/01/2024 02:56	J
Carbon Disulfide	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:30	J
Carbon Tetrachloride	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:30	J
Chlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:30	J
Chloroethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:30	J
Chloroform	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:30	J
Chloromethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:30	J
Cyclohexane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:30	J
Dibromochloromethane	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 00:44	08/01/2024 07:30	J
Dichlorodifluoromethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:30	J
Ethylbenzene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:30	J
Ethylene Dibromide (EDB)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:30	J
Isopropylbenzene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:30	J
Methyl Acetate	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:30	J
Methyl Cyclohexane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:30	J
Methyl tert-butyl Ether (MTBE)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:30	J
Methylene Chloride	12U	ug/L	6.2	12	25	5	08/01/2024 00:44	08/01/2024 07:30	J
Styrene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:30	J
Tetrachloroethylene (PCE)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:30	J
Toluene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:30	J
Trichloroethene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:30	J
Trichlorofluoromethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:30	J
Vinyl Chloride	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:30	J
Xylene (Total)	7.5U	ug/L	3.8	7.5	15	5	08/01/2024 00:44	08/01/2024 07:30	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907002 **Date Collected:** 07/23/2024 14:35 **Matrix:** Water
Sample ID: TMW-11 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:30	J
cis-1,3-Dichloropropene	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 00:44	08/01/2024 07:30	J
trans-1,2-Dichloroethylene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:30	J
trans-1,3-Dichloropropylene	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 00:44	08/01/2024 07:30	J

Analysis Results Comments

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Acetone

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Atrazine

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

alpha-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	250	263	105	81 - 118	J
Toluene-d8 (S)	ug/L	250	246	98	89 - 112	J
Bromofluorobenzene (S)	ug/L	250	254	102	85 - 114	J
Nitrobenzene-d5 (S)	ug/L	10.60	6.57	62	55 - 111	J
Decachlorobiphenyl (S)	ug/L	0.50	0.2340	47	44 - 136	J
Tetrachloro-m-xylene (S)	ug/L	1	0.78	78	61 - 119	J
2,4,6-Tribromophenol (S)	ug/L	50	40	80	43 - 140	J
Phenol-d6 (S)	ug/L	50	15.40	31	21 - 132	J
2-Fluorobiphenyl (S)	ug/L	50	35.50	71	44 - 119	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorophenol (S)	ug/L	50	19.30	39	19 - 119	J
Nitrobenzene-d5 (S)	ug/L	50	33.90	68	44 - 120	J
2-Methylnaphthalene-d10 (S)	ug/L	50	35.50	71	41 - 131	J
p-Terphenyl-d14 (S)	ug/L	50	40.20	80	50 - 134	J
Fluoranthene-d10 (S)	ug/L	50	45.50	91	49 - 126	J
Decachlorobiphenyl (S)	ug/L	0.50	0.2380	48	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	0.7860	79	44 - 124	J
Tributylphosphate (S)	ug/L	1	0.8720	87	48.50 - 121	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907003 **Date Collected:** 07/24/2024 09:25 **Matrix:** Water
Sample ID: TMW-12 **Date Received:** 07/26/2024 09:00

Parameter									
METALS (SW-846 3010A/DoD SW-846 6020A)									
Antimony	1.1J	ug/L	1.0	2.0	4.0	1	08/05/2024 06:55	08/05/2024 19:59	J
Barium	**630**	ug/L	5.0	10	20	10	08/05/2024 06:55	08/06/2024 11:18	J
Cadmium	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 06:55	08/05/2024 19:59	J
Copper	**17**	ug/L	1.0	2.0	4.0	1	08/05/2024 06:55	08/05/2024 19:59	J
Nickel	**21**	ug/L	1.2	2.5	5.0	1	08/05/2024 06:55	08/05/2024 19:59	J
Silver	1.0U	ug/L	0.50	1.0	2.0	1	08/05/2024 06:55	08/05/2024 19:59	J
Zinc	**31**	ug/L	6.0	12	24	1	08/05/2024 06:55	08/05/2024 19:59	J
METALS (SW-846 7470A/DoD SW-846 7470A)									
Mercury	0.040U	ug/L	0.011	0.040	0.10	1	08/02/2024 09:04	08/02/2024 14:16	J
SEMIVOLATILES (SW-846 3510C/DOD SW-846 8081B)									
4,4`-DDD	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:18	J
4,4`-DDE	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:18	J
4,4`-DDT	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:18	J
Aldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	07/30/2024 09:00	08/01/2024 19:18	J
Chlordane (technical)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/01/2024 19:18	J
Dieldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	07/30/2024 09:00	08/01/2024 19:18	J
Endosulfan I	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:18	J
Endosulfan II	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:18	J
Endosulfan Sulfate	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:18	J
Endrin	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:18	J
Endrin Aldehyde	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:18	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907003 **Date Collected:** 07/24/2024 09:25 **Matrix:** Water
Sample ID: TMW-12 **Date Received:** 07/26/2024 09:00

Parameter									
Heptachlor	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:18	J
Hexachlorobenzene	0.020U	ug/L	0.0080	0.020	0.040	1	07/30/2024 09:00	08/01/2024 19:18	J
Toxaphene	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/01/2024 19:18	J
alpha-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:18	J
delta-BHC	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:18	J
gamma-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 19:18	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.25U	ug/L	0.12	0.25					
Aroclor 1221 (PCB-1221)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 00:45	J
Aroclor 1232 (PCB-1232)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 00:45	J
Aroclor 1242 (PCB-1242)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 00:45	J
Aroclor 1248 (PCB-1248)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 00:45	J
Aroclor 1254 (PCB-1254)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 00:45	J
Aroclor 1260 (PCB-1260)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 00:45	J
Aroclor 1262 (PCB-1262)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 00:45	J
Aroclor 1268 (PCB-1268)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 00:45	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8141B)									
Atrazine	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J
Azinphos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J
Chlorpyrifos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J
Chlorpyrifos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907003 **Date Collected:** 07/24/2024 09:25 **Matrix:** Water
Sample ID: TMW-12 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J
Demeton-O	0.10U	ug/L	0.050	0.10	0.20	1	07/30/2024 09:00	08/02/2024 04:29	J
Demeton-S	0.10U	ug/L	0.050	0.10	0.20	1	07/30/2024 09:00	08/02/2024 04:29	J
Diazinon	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J
Dimethoate	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J
Disulfoton	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J
Ethion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J
Ethoprop	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J
Famphur	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J
Fensulfothion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J
Fonophos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J
Malathion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J
Merphos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J
Methyl Parathion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J
Mevinphos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J
Parathion (Ethyl)	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J
Phorate	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J
Phosmet	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J
Ronnel	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J
Simazine	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J
Sulfotep	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 04:29	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
2,4,6-Trichlorophenol	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
2,4-Dichlorophenol	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
2,4-Dimethylphenol	6.1U	ug/L	3.0	6.1	12	1	07/29/2024 08:00	07/31/2024 18:39	J
2,4-Dinitrophenol	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907003 **Date Collected:** 07/24/2024 09:25 **Matrix:** Water
Sample ID: TMW-12 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	6.1U	ug/L	3.0	6.1	12	1	07/29/2024 08:00	07/31/2024 18:39	J
2,6-Dinitrotoluene (2,6-DNT)	6.1U	ug/L	3.0	6.1	12	1	07/29/2024 08:00	07/31/2024 18:39	J
2-Chloronaphthalene	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
2-Chlorophenol	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
2-Methyl-4,6-dinitrophenol	6.1U	ug/L	3.0	6.1	12	1	07/29/2024 08:00	07/31/2024 18:39	J
2-Methylnaphthalene	0.24U	ug/L	0.12	0.24	0.49	1	07/29/2024 08:00	07/31/2024 18:39	J
2-Methylphenol (o-Cresol)	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
2-Nitroaniline	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
2-Nitrophenol	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
3+4-Methylphenol(mp-Cresol)	6.1U	ug/L	3.0	6.1	12	1	07/29/2024 08:00	07/31/2024 18:39	J
3,3`-Dichlorobenzidine	6.1U	ug/L	3.0	6.1	12	1	07/29/2024 08:00	07/31/2024 18:39	J
3-Nitroaniline	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
4-Bromophenyl Phenyl Ether	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
4-Chloro-3-methylphenol	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
4-Chloroaniline	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
4-Chlorophenyl Phenyl Ether	6.1U	ug/L	3.0	6.1	12	1	07/29/2024 08:00	07/31/2024 18:39	J
4-Nitroaniline	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
4-Nitrophenol	6.1U	ug/L	3.0	6.1	12	1	07/29/2024 08:00	07/31/2024 18:39	J
Acenaphthene	0.24U	ug/L	0.12	0.24	0.49	1	07/29/2024 08:00	07/31/2024 18:39	J
Acenaphthylene	0.24U	ug/L	0.12	0.24	0.49	1	07/29/2024 08:00	07/31/2024 18:39	J
Acetophenone	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
Anthracene	0.24U	ug/L	0.12	0.24	0.49	1	07/29/2024 08:00	07/31/2024 18:39	J
Atrazine	6.1U	ug/L	3.0	6.1	12	1	07/29/2024 08:00	07/31/2024 18:39	J
Benzaldehyde	6.1U	ug/L	3.0	6.1	12	1	07/29/2024 08:00	07/31/2024 18:39	J
Benzo[a]anthracene	0.12U	ug/L	0.060	0.12	0.49	1	07/29/2024 08:00	07/31/2024 18:39	J
Benzo[a]pyrene	0.24U	ug/L	0.12	0.24	0.49	1	07/29/2024 08:00	07/31/2024 18:39	J
Benzo[b]fluoranthene	0.12U	ug/L	0.060	0.12	0.49	1	07/29/2024 08:00	07/31/2024 18:39	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907003 **Date Collected:** 07/24/2024 09:25 **Matrix:** Water
Sample ID: TMW-12 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.24U	ug/L	0.12	0.24	0.49	1	07/29/2024 08:00	07/31/2024 18:39	J
Benzo[k]fluoranthene	0.24U	ug/L	0.12	0.24	0.49	1	07/29/2024 08:00	07/31/2024 18:39	J
Biphenyl	6.1U	ug/L	3.0	6.1	12	1	07/29/2024 08:00	07/31/2024 18:39	J
Butyl benzyl phthalate	6.1U	ug/L	3.0	6.1	12	1	07/29/2024 08:00	07/31/2024 18:39	J
Caprolactam	6.1U	ug/L	3.0	6.1	12	1	07/29/2024 08:00	07/31/2024 18:39	J
Carbazole	0.24U	ug/L	0.12	0.24	0.49	1	07/29/2024 08:00	07/31/2024 18:39	J
Chrysene	0.24U	ug/L	0.12	0.24	0.49	1	07/29/2024 08:00	07/31/2024 18:39	J
Di-n-Butyl Phthalate	6.1U	ug/L	3.0	6.1	12	1	07/29/2024 08:00	07/31/2024 18:39	J
Di-n-octyl Phthalate	6.1U	ug/L	3.0	6.1	12	1	07/29/2024 08:00	07/31/2024 18:39	J
Dibenzo[a,h]anthracene	0.24U	ug/L	0.12	0.24	0.49	1	07/29/2024 08:00	07/31/2024 18:39	J
Dibenzofuran	0.24U	ug/L	0.12	0.24	0.49	1	07/29/2024 08:00	07/31/2024 18:39	J
Diethyl phthalate	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
Dimethyl phthalate	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
Fluoranthene	0.24U	ug/L	0.12	0.24	0.49	1	07/29/2024 08:00	07/31/2024 18:39	J
Fluorene	0.24U	ug/L	0.12	0.24	0.49	1	07/29/2024 08:00	07/31/2024 18:39	J
Hexachlorobenzene	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
Hexachlorobutadiene	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
Hexachlorocyclopentadiene	6.1U	ug/L	3.0	6.1	12	1	07/29/2024 08:00	07/31/2024 18:39	J
Hexachloroethane	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
Indeno(1,2,3-cd)pyrene	0.12U	ug/L	0.060	0.12	0.49	1	07/29/2024 08:00	07/31/2024 18:39	J
Isophorone	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
N-Nitrosodi-n-propylamine	6.1U	ug/L	3.0	6.1	12	1	07/29/2024 08:00	07/31/2024 18:39	J
N-Nitrosodiphenylamine	6.1U	ug/L	3.0	6.1	12	1	07/29/2024 08:00	07/31/2024 18:39	J
Naphthalene	0.24U	ug/L	0.12	0.24	0.49	1	07/29/2024 08:00	07/31/2024 18:39	J
Nitrobenzene	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
Pentachlorophenol	2.3U	ug/L	1.2	2.3	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
Phenanthrene	0.24U	ug/L	0.12	0.24	0.49	1	07/29/2024 08:00	07/31/2024 18:39	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907003 **Date Collected:** 07/24/2024 09:25 **Matrix:** Water
Sample ID: TMW-12 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Phenol	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
Pyrene	0.24U	ug/L	0.12	0.24	0.49	1	07/29/2024 08:00	07/31/2024 18:39	J
bis(2-Chloroethoxy)methane	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
bis(2-Chloroethyl)Ether	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
bis(2-Chloroisopropyl) Ether	3.0U	ug/L	1.5	3.0	6.1	1	07/29/2024 08:00	07/31/2024 18:39	J
bis(2-Ethylhexyl) phthalate	6.1U	ug/L	3.0	6.1	12	1	07/29/2024 08:00	07/31/2024 18:39	J
VOLATILES (SW-846 3510C/DOD SW-846 8270D SIM)									
1,4-Dioxane	0.49U	ug/L	0.25	0.49	0.99	1	07/30/2024 10:00	08/20/2024 23:32	J
VOLATILES (SW-846 5030B/DoD SW-846 8260C)									
1,1,1-Trichloroethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:54	J
1,1,2,2-Tetrachloroethane	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 00:44	08/01/2024 07:54	J
1,1,2-Trichloroethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:54	J
1,1,2-Trichlorotrifluoroethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:54	J
1,1-Dichloroethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:54	J
1,1-Dichloroethylene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:54	J
1,2,4-Trichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:54	J
1,2-Dibromo-3-Chloropropane	12U	ug/L	6.2	12	25	5	08/01/2024 00:44	08/01/2024 07:54	J
1,2-Dichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:54	J
1,2-Dichloroethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:54	J
1,2-Dichloropropane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:54	J
1,3-Dichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:54	J
1,4-Dichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:54	J
1,4-Dioxane	12U	ug/L	6.2	12	25	5	08/01/2024 00:44	08/01/2024 07:54	J
2-Butanone (MEK)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:54	J
2-Hexanone	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:54	J
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:54	J
Acetone	9.1J	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:54	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907003 **Date Collected:** 07/24/2024 09:25 **Matrix:** Water
Sample ID: TMW-12 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:54	J
Bromodichloromethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:54	J
Bromoform	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:54	J
Bromomethane	5.0U	ug/L	2.5	5.0	10	5	07/31/2024 22:52	08/01/2024 03:20	J
Carbon Disulfide	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:54	J
Carbon Tetrachloride	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:54	J
Chlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:54	J
Chloroethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:54	J
Chloroform	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:54	J
Chloromethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:54	J
Cyclohexane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:54	J
Dibromochloromethane	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 00:44	08/01/2024 07:54	J
Dichlorodifluoromethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:54	J
Ethylbenzene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:54	J
Ethylene Dibromide (EDB)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:54	J
Isopropylbenzene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:54	J
Methyl Acetate	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:54	J
Methyl Cyclohexane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:54	J
Methyl tert-butyl Ether (MTBE)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:54	J
Methylene Chloride	12U	ug/L	6.2	12	25	5	08/01/2024 00:44	08/01/2024 07:54	J
Styrene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:54	J
Tetrachloroethylene (PCE)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:54	J
Toluene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:54	J
Trichloroethene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:54	J
Trichlorofluoromethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:54	J
Vinyl Chloride	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 07:54	J
Xylene (Total)	7.5U	ug/L	3.8	7.5	15	5	08/01/2024 00:44	08/01/2024 07:54	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907003 **Date Collected:** 07/24/2024 09:25 **Matrix:** Water
Sample ID: TMW-12 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:54	J
cis-1,3-Dichloropropene	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 00:44	08/01/2024 07:54	J
trans-1,2-Dichloroethylene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 07:54	J
trans-1,3-Dichloropropylene	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 00:44	08/01/2024 07:54	J

Analysis Results Comments

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Acetone

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Atrazine

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	250	259	104	81 - 118	J
Toluene-d8 (S)	ug/L	250	243	97	89 - 112	J
Bromofluorobenzene (S)	ug/L	250	253	101	85 - 114	J
Nitrobenzene-d5 (S)	ug/L	11.10	6.77	61	55 - 111	J
Decachlorobiphenyl (S)	ug/L	0.50	0.28	56	44 - 136	J
Tetrachloro-m-xylene (S)	ug/L	1	0.9460	95	61 - 119	J
2,4,6-Tribromophenol (S)	ug/L	61	52.10	85	43 - 140	J
Phenol-d6 (S)	ug/L	61	20.90	34	21 - 132	J
2-Fluorobiphenyl (S)	ug/L	61	42.10	69	44 - 119	J
2-Fluorophenol (S)	ug/L	61	27.20	45	19 - 119	J
Nitrobenzene-d5 (S)	ug/L	61	41	67	44 - 120	J
2-Methylnaphthalene-d10 (S)	ug/L	61	43.40	71	41 - 131	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
p-Terphenyl-d14 (S)	ug/L	61	51.30	84	50 - 134	J
Fluoranthene-d10 (S)	ug/L	61	59.40	97	49 - 126	J
Decachlorobiphenyl (S)	ug/L	0.50	0.27	54	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	0.8950	90	44 - 124	J
Tributylphosphate (S)	ug/L	1	0.8070	81	48.50 - 121	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907004 **Date Collected:** 07/23/2024 13:00 **Matrix:** Water
Sample ID: TMW-13 **Date Received:** 07/26/2024 09:00

Parameter									
METALS (SW-846 3010A/DoD SW-846 6020A)									
Antimony	2.0U	ug/L	1.0	2.0	4.0	1	08/05/2024 06:55	08/05/2024 20:04	J
Barium	**220**	ug/L	2.5	5.0	10	5	08/05/2024 06:55	08/06/2024 11:30	J
Cadmium	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 06:55	08/05/2024 20:04	J
Copper	2.0J	ug/L	1.0	2.0	4.0	1	08/05/2024 06:55	08/05/2024 20:04	J
Nickel	**16**	ug/L	1.2	2.5	5.0	1	08/05/2024 06:55	08/05/2024 20:04	J
Silver	1.0U	ug/L	0.50	1.0	2.0	1	08/05/2024 06:55	08/05/2024 20:04	J
Zinc	16J	ug/L	6.0	12	24	1	08/05/2024 06:55	08/05/2024 20:04	J
METALS (SW-846 7470A/DoD SW-846 7470A)									
Mercury	0.040U	ug/L	0.011	0.040	0.10	1	08/02/2024 09:04	08/02/2024 14:19	J
SEMIVOLATILES (SW-846 3510C/DOD SW-846 8081B)									
4,4`-DDD	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:21	J
4,4`-DDE	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:21	J
4,4`-DDT	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:21	J
Aldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	07/30/2024 09:00	08/01/2024 21:21	J
Chlordane (technical)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/01/2024 21:21	J
Dieldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	07/30/2024 09:00	08/01/2024 21:21	J
Endosulfan I	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:21	J
Endosulfan II	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:21	J
Endosulfan Sulfate	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:21	J
Endrin	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:21	J
Endrin Aldehyde	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:21	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907004 **Date Collected:** 07/23/2024 13:00 **Matrix:** Water
Sample ID: TMW-13 **Date Received:** 07/26/2024 09:00

Parameter									
Heptachlor	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:21	J
Hexachlorobenzene	0.020U	ug/L	0.0080	0.020	0.040	1	07/30/2024 09:00	08/01/2024 21:21	J
Toxaphene	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/01/2024 21:21	J
alpha-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:21	J
delta-BHC	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:21	J
gamma-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 21:21	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.25U	ug/L	0.12	0.25					
Aroclor 1221 (PCB-1221)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:08	J
Aroclor 1232 (PCB-1232)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:08	J
Aroclor 1242 (PCB-1242)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:08	J
Aroclor 1248 (PCB-1248)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:08	J
Aroclor 1254 (PCB-1254)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:08	J
Aroclor 1260 (PCB-1260)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:08	J
Aroclor 1262 (PCB-1262)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:08	J
Aroclor 1268 (PCB-1268)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:08	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8141B)									
Atrazine	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J
Azinphos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J
Chlorpyrifos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J
Chlorpyrifos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J

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NELAP Accredited E82574

Advanced Environmental Laboratories, Inc
6681 Southpoint Pkwy Jacksonville, FL 32216
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907004 **Date Collected:** 07/23/2024 13:00 **Matrix:** Water
Sample ID: TMW-13 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J
Demeton-O	0.10U	ug/L	0.050	0.10	0.20	1	07/30/2024 09:00	08/02/2024 03:28	J
Demeton-S	0.10U	ug/L	0.050	0.10	0.20	1	07/30/2024 09:00	08/02/2024 03:28	J
Diazinon	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J
Dimethoate	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J
Disulfoton	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J
Ethion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J
Ethoprop	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J
Famphur	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J
Fensulfothion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J
Fonophos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J
Malathion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J
Merphos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J
Methyl Parathion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J
Mevinphos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J
Parathion (Ethyl)	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J
Phorate	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J
Phosmet	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J
Ronnel	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J
Simazine	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J
Sulfotep	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 03:28	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
2,4,6-Trichlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
2,4-Dichlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
2,4-Dimethylphenol	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 19:20	J
2,4-Dinitrophenol	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907004 **Date Collected:** 07/23/2024 13:00 **Matrix:** Water
Sample ID: TMW-13 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 19:20	J
2,6-Dinitrotoluene (2,6-DNT)	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 19:20	J
2-Chloronaphthalene	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
2-Chlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
2-Methyl-4,6-dinitrophenol	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 19:20	J
2-Methylnaphthalene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 19:20	J
2-Methylphenol (o-Cresol)	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
2-Nitroaniline	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
2-Nitrophenol	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
3+4-Methylphenol(mp-Cresol)	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 19:20	J
3,3`-Dichlorobenzidine	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 19:20	J
3-Nitroaniline	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
4-Bromophenyl Phenyl Ether	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
4-Chloro-3-methylphenol	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
4-Chloroaniline	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
4-Chlorophenyl Phenyl Ether	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 19:20	J
4-Nitroaniline	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
4-Nitrophenol	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 19:20	J
Acenaphthene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 19:20	J
Acenaphthylene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 19:20	J
Acetophenone	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
Anthracene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 19:20	J
Atrazine	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 19:20	J
Benzaldehyde	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 19:20	J
Benzo[a]anthracene	0.11U	ug/L	0.055	0.11	0.44	1	07/29/2024 08:00	07/31/2024 19:20	J
Benzo[a]pyrene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 19:20	J
Benzo[b]fluoranthene	0.11U	ug/L	0.055	0.11	0.44	1	07/29/2024 08:00	07/31/2024 19:20	J

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907004 **Date Collected:** 07/23/2024 13:00 **Matrix:** Water
Sample ID: TMW-13 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 19:20	J
Benzo[k]fluoranthene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 19:20	J
Biphenyl	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 19:20	J
Butyl benzyl phthalate	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 19:20	J
Caprolactam	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 19:20	J
Carbazole	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 19:20	J
Chrysene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 19:20	J
Di-n-Butyl Phthalate	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 19:20	J
Di-n-octyl Phthalate	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 19:20	J
Dibenzo[a,h]anthracene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 19:20	J
Dibenzofuran	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 19:20	J
Diethyl phthalate	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
Dimethyl phthalate	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
Fluoranthene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 19:20	J
Fluorene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 19:20	J
Hexachlorobenzene	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
Hexachlorobutadiene	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
Hexachlorocyclopentadiene	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 19:20	J
Hexachloroethane	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
Indeno(1,2,3-cd)pyrene	0.11U	ug/L	0.055	0.11	0.44	1	07/29/2024 08:00	07/31/2024 19:20	J
Isophorone	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
N-Nitrosodi-n-propylamine	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 19:20	J
N-Nitrosodiphenylamine	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 19:20	J
Naphthalene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 19:20	J
Nitrobenzene	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
Pentachlorophenol	2.1U	ug/L	1.1	2.1	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
Phenanthrene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 19:20	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907004 **Date Collected:** 07/23/2024 13:00 **Matrix:** Water
Sample ID: TMW-13 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Phenol	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
Pyrene	0.22U	ug/L	0.11	0.22	0.44	1	07/29/2024 08:00	07/31/2024 19:20	J
bis(2-Chloroethoxy)methane	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
bis(2-Chloroethyl)Ether	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
bis(2-Chloroisopropyl) Ether	2.8U	ug/L	1.4	2.8	5.6	1	07/29/2024 08:00	07/31/2024 19:20	J
bis(2-Ethylhexyl) phthalate	5.6U	ug/L	2.8	5.6	11	1	07/29/2024 08:00	07/31/2024 19:20	J
VOLATILES (SW-846 3510C/DOD SW-846 8270D SIM)									
1,4-Dioxane	0.49U	ug/L	0.25	0.49	0.99	1	07/30/2024 10:00	08/20/2024 23:57	J
VOLATILES (SW-846 5030B/DoD SW-846 8260C)									
1,1,1-Trichloroethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 08:18	J
1,1,2,2-Tetrachloroethane	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 00:44	08/01/2024 08:18	J
1,1,2-Trichloroethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 08:18	J
1,1,2-Trichlorotrifluoroethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 08:18	J
1,1-Dichloroethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 08:18	J
1,1-Dichloroethylene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 08:18	J
1,2,4-Trichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 08:18	J
1,2-Dibromo-3-Chloropropane	12U	ug/L	6.2	12	25	5	08/01/2024 00:44	08/01/2024 08:18	J
1,2-Dichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 08:18	J
1,2-Dichloroethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 08:18	J
1,2-Dichloropropane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 08:18	J
1,3-Dichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 08:18	J
1,4-Dichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 08:18	J
1,4-Dioxane	12U	ug/L	6.2	12	25	5	08/01/2024 00:44	08/01/2024 08:18	J
2-Butanone (MEK)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 08:18	J
2-Hexanone	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 08:18	J
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 08:18	J
Acetone	5.7J	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 08:18	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907004 **Date Collected:** 07/23/2024 13:00 **Matrix:** Water
Sample ID: TMW-13 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 08:18	J
Bromodichloromethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 08:18	J
Bromoform	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 08:18	J
Bromomethane	5.0U	ug/L	2.5	5.0	10	5	07/31/2024 22:52	08/01/2024 03:45	J
Carbon Disulfide	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 08:18	J
Carbon Tetrachloride	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 08:18	J
Chlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 08:18	J
Chloroethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 08:18	J
Chloroform	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 08:18	J
Chloromethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 08:18	J
Cyclohexane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 08:18	J
Dibromochloromethane	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 00:44	08/01/2024 08:18	J
Dichlorodifluoromethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 08:18	J
Ethylbenzene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 08:18	J
Ethylene Dibromide (EDB)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 08:18	J
Isopropylbenzene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 08:18	J
Methyl Acetate	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 08:18	J
Methyl Cyclohexane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 08:18	J
Methyl tert-butyl Ether (MTBE)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 08:18	J
Methylene Chloride	12U	ug/L	6.2	12	25	5	08/01/2024 00:44	08/01/2024 08:18	J
Styrene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 08:18	J
Tetrachloroethylene (PCE)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 08:18	J
Toluene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 08:18	J
Trichloroethene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 08:18	J
Trichlorofluoromethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 08:18	J
Vinyl Chloride	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 00:44	08/01/2024 08:18	J
Xylene (Total)	7.5U	ug/L	3.8	7.5	15	5	08/01/2024 00:44	08/01/2024 08:18	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Lab ID: J2410907004 **Date Collected:** 07/23/2024 13:00 **Matrix:** Water
Sample ID: TMW-13 **Date Received:** 07/26/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 08:18	J
cis-1,3-Dichloropropene	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 00:44	08/01/2024 08:18	J
trans-1,2-Dichloroethylene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 00:44	08/01/2024 08:18	J
trans-1,3-Dichloropropylene	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 00:44	08/01/2024 08:18	J

Analysis Results Comments

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Acetone

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Atrazine

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

alpha-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	250	259	104	81 - 118	J
Toluene-d8 (S)	ug/L	250	244	98	89 - 112	J
Bromofluorobenzene (S)	ug/L	250	260	104	85 - 114	J
Nitrobenzene-d5 (S)	ug/L	11.10	6.55	59	55 - 111	J
Decachlorobiphenyl (S)	ug/L	0.50	0.2880	58	44 - 136	J
Tetrachloro-m-xylene (S)	ug/L	1	0.8820	88	61 - 119	J
2,4,6-Tribromophenol (S)	ug/L	55.60	47	85	43 - 140	J
Phenol-d6 (S)	ug/L	55.60	19.80	36	21 - 132	J
2-Fluorobiphenyl (S)	ug/L	55.60	41.60	75	44 - 119	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorophenol (S)	ug/L	55.60	25.80	46	19 - 119	J
Nitrobenzene-d5 (S)	ug/L	55.60	42.80	77	44 - 120	J
2-Methylnaphthalene-d10 (S)	ug/L	55.60	44.70	80	41 - 131	J
p-Terphenyl-d14 (S)	ug/L	55.60	44.70	81	50 - 134	J
Fluoranthene-d10 (S)	ug/L	55.60	52.30	94	49 - 126	J
Decachlorobiphenyl (S)	ug/L	0.50	0.2730	55	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	0.8460	85	44 - 124	J
Tributylphosphate (S)	ug/L	1	0.8050	80	48.50 - 121	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Results

QC Batch: CVAj/2523 **Analysis Method:** DoD SW-846 7470A
Preparation Method: SW-846 7470A
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Method Blank(5415629)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Mercury	0.040U	ug/L	0.011	0.040	0.10	J

Lab Control Sample (5415630)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Mercury	ug/L	2	2.1	103	82 - 119	J

Matrix Spike (5415631); Matrix Spike Duplicate (5415632); Original (J2410524001); Parent Lab Sample (J2410524001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Mercury	ug/L	2	2.1	107	82 - 119	2.1	104	3.60	20	J

Matrix Spike (5415633); Matrix Spike Duplicate (5415634); Original (J2410895004); Parent Lab Sample (J2410895004)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Mercury	ug/L	2	2.3	116	82 - 119	2.1	103	12	20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Results

QC Batch: GCSj/6721 **Analysis Method:** DoD SW-846 8141B
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Method Blank(5415104)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Mevinphos	0.20U	ug/L	0.10	0.20	0.40	J
Demeton	0.20U	ug/L	0.10	0.20	0.40	J
Ethoprop	0.20U	ug/L	0.10	0.20	0.40	J
Phorate	0.20U	ug/L	0.10	0.20	0.40	J
Diazinon	0.20U	ug/L	0.10	0.20	0.40	J
Disulfoton	0.20U	ug/L	0.10	0.20	0.40	J
Ronnel	0.20U	ug/L	0.10	0.20	0.40	J
Methyl Parathion	0.20U	ug/L	0.10	0.20	0.40	J
Chlorpyrifos	0.20U	ug/L	0.10	0.20	0.40	J
Merphos	0.20U	ug/L	0.10	0.20	0.40	J
Fensulfothion	0.20U	ug/L	0.10	0.20	0.40	J
Azinphos-methyl	0.20U	ug/L	0.10	0.20	0.40	J
Sulfotep	0.20U	ug/L	0.10	0.20	0.40	J
Dimethoate	0.20U	ug/L	0.10	0.20	0.40	J
Fonophos	0.20U	ug/L	0.10	0.20	0.40	J
Chlorpyrifos-methyl	0.20U	ug/L	0.10	0.20	0.40	J
Malathion	0.20U	ug/L	0.10	0.20	0.40	J
Parathion (Ethyl)	0.20U	ug/L	0.10	0.20	0.40	J
Ethion	0.20U	ug/L	0.10	0.20	0.40	J
Famphur	0.20U	ug/L	0.10	0.20	0.40	J
Phosmet	0.20U	ug/L	0.10	0.20	0.40	J
Atrazine	0.20U	ug/L	0.10	0.20	0.40	J
Simazine	0.20U	ug/L	0.10	0.20	0.40	J
Demeton-S	0.10U	ug/L	0.050	0.10	0.20	J
Demeton-O	0.10U	ug/L	0.050	0.10	0.20	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	mg/L	0.0010	0.000770	77	48.50 - 121	J

Lab Control Sample (5415105)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Mevinphos	ug/L	0.50	0.42	83	37 - 171	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Batch: GCSj/6721 **Analysis Method:** DoD SW-846 8141B
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Demeton	ug/L	0.50	0.34	69	25 - 128	J
Ethoprop	ug/L	0.50	0.46	92	52 - 125	J
Phorate	ug/L	0.50	0.44	88	23 - 139	J
Diazinon	ug/L	0.50	0.4	80	43 - 129	J
Disulfoton	ug/L	0.50	0.36	72	36 - 134	J
Ronnel	ug/L	0.50	0.43	86	42 - 133	J
Methyl Parathion	ug/L	0.50	0.44	88	49 - 134	J
Chlorpyrifos	ug/L	0.50	0.4	80	47 - 133	J
Merphos	ug/L	0.50	0.5	100	26 - 133	J
Fensulfothion	ug/L	0.50	0.35	69	24 - 160	J
Azinphos-methyl	ug/L	0.50	0.44	88	43 - 135	J
Sulfotep	ug/L	0.50	0.44	89	47 - 126	J
Dimethoate	ug/L	0.50	0.44	89	26 - 125	J
Fonophos	ug/L	0.50	0.4	81	54 - 122	J
Chlorpyrifos-methyl	ug/L	0.50	0.43	86	51 - 133	J
Malathion	ug/L	0.50	0.43	87	44 - 132	J
Parathion (Ethyl)	ug/L	0.50	0.38	76	52 - 134	J
Ethion	ug/L	0.50	0.44	88	42 - 145	J
Famphur	ug/L	0.50	0.47	93	38 - 183	J
Phosmet	ug/L	0.50	0.46	92	44 - 164	J
Atrazine	ug/L	0.50	0.65	**130**	45 - 120	J
Simazine	ug/L	0.50	0.64	128	51 - 136	J
Demeton-S	ug/L	0.25	0.2	79	21 - 162	J
Demeton-O	ug/L	0.25	0.15	58	25 - 128	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	mg/L	0.0010	0.000879	88	48.50 - 121	J

Matrix Spike (5415106); Matrix Spike Duplicate (5415107); Original (J2410907004); Parent Lab Sample (J2410907004)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Mevinphos	ug/L	0.50	0.28	56	37 - 171	0.32	64	14	30	J
Demeton	ug/L	0.50	0.29	58	25 - 128	0.27	54	7.10	30	J
Ethoprop	ug/L	0.50	0.27	54	52 - 125	0.32	65	19	30	J
Phorate	ug/L	0.50	0.26	53	23 - 139	0.29	59	11	30	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Batch: GCSj/6721 **Analysis Method:** DoD SW-846 8141B
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Diazinon	ug/L	0.50	0.34	69	43 - 129	0.33	66	4.70	30	J
Disulfoton	ug/L	0.50	0.27	53	36 - 134	0.29	58	9.30	30	J
Ronnel	ug/L	0.50	0.32	65	42 - 133	0.34	68	4.80	30	J
Methyl Parathion	ug/L	0.50	0.36	72	49 - 134	0.37	74	1.90	30	J
Chlorpyrifos	ug/L	0.50	0.35	69	47 - 133	0.36	71	2.80	30	J
Merphos	ug/L	0.50	0.34	68	26 - 133	0.34	68	0.30	30	J
Fensulfothion	ug/L	0.50	0.3	60	24 - 160	0.28	57	5.80	30	J
Azinphos-methyl	ug/L	0.50	0.4	80	43 - 135	0.39	78	2.50	30	J
Sulfotep	ug/L	0.50	0.29	58	47 - 126	0.33	66	14	30	J
Dimethoate	ug/L	0.50	0.37	73	26 - 125	0.4	81	9.40	30	J
Fonophos	ug/L	0.50	0.29	58	54 - 122	0.32	63	9.20	30	J
Chlorpyrifos-methyl	ug/L	0.50	0.33	65	51 - 133	0.35	70	7.40	30	J
Malathion	ug/L	0.50	0.39	78	44 - 132	0.38	75	3.90	30	J
Parathion (Ethyl)	ug/L	0.50	0.36	71	52 - 134	0.34	69	2.90	30	J
Ethion	ug/L	0.50	0.39	79	42 - 145	0.38	77	2.10	30	J
Famphur	ug/L	0.50	0.4	81	38 - 183	0.38	76	5.80	30	J
Phosmet	ug/L	0.50	0.4	80	44 - 164	0.39	78	2	30	J
Atrazine	ug/L	0.50	0.57	114	45 - 120	0.56	113	0.90	30	J
Simazine	ug/L	0.50	0.55	110	51 - 136	0.55	110	0.40	30	J
Demeton-S	ug/L	0.25	0.16	62	21 - 162	0.16	62	0	30	J
Demeton-O	ug/L	0.25	0.14	54	25 - 128	0.12	46	16	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Tributylphosphate (S)	mg/L	0.0010	0.00062	63	48.50 - 1	0.00068	69	9		J

QC Result Comments

Lab Control Sample - 5415105 - Atrazine

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Results

QC Batch: GCSj/6726 **Analysis Method:** DOD SW-846 8081B
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Method Blank(5415091)

Parameter	Results	Units	DL	LOD	LOQ	Lab
alpha-BHC	0.010U	ug/L	0.0050	0.010	0.020	J
gamma-BHC (Lindane)	0.010U	ug/L	0.0050	0.010	0.020	J
beta-BHC	0.010U	ug/L	0.0050	0.010	0.020	J
delta-BHC	0.010U	ug/L	0.0050	0.010	0.020	J
Heptachlor	0.010U	ug/L	0.0050	0.010	0.020	J
Aldrin	0.0050U	ug/L	0.0019	0.0050	0.020	J
Heptachlor Epoxide	0.010U	ug/L	0.0050	0.010	0.020	J
gamma-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	J
alpha-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	J
Endosulfan I	0.010U	ug/L	0.0050	0.010	0.020	J
4,4`-DDE	0.010U	ug/L	0.0050	0.010	0.020	J
Dieldrin	0.0050U	ug/L	0.0019	0.0050	0.020	J
Endrin	0.010U	ug/L	0.0050	0.010	0.020	J
4,4`-DDD	0.010U	ug/L	0.0050	0.010	0.020	J
Endosulfan II	0.010U	ug/L	0.0050	0.010	0.020	J
Endrin Aldehyde	0.010U	ug/L	0.0050	0.010	0.020	J
4,4`-DDT	0.010U	ug/L	0.0050	0.010	0.020	J
Endosulfan Sulfate	0.010U	ug/L	0.0050	0.010	0.020	J
Methoxychlor	0.010U	ug/L	0.0050	0.010	0.020	J
Hexachlorobenzene	0.020U	ug/L	0.0080	0.020	0.040	J
Endrin ketone	0.040U	ug/L	0.020	0.040	0.080	J
Chlordane (technical)	0.25U	ug/L	0.12	0.25	0.50	J
Toxaphene	0.25U	ug/L	0.12	0.25	0.50	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.000498	100	48 - 137	J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.001070	107	44 - 124	J

Lab Control Sample (5415092)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
alpha-BHC	ug/L	0.10	0.11	110	54 - 138	J
gamma-BHC (Lindane)	ug/L	0.10	0.12	119	59 - 134	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Batch: GCSj/6726 **Analysis Method:** DOD SW-846 8081B
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
beta-BHC	ug/L	0.10	0.11	106	56 - 136	J
delta-BHC	ug/L	0.10	0.12	124	52 - 142	J
Heptachlor	ug/L	0.10	0.12	117	54 - 130	J
Aldrin	ug/L	0.10	0.11	111	45 - 134	J
Heptachlor Epoxide	ug/L	0.10	0.11	107	61 - 133	J
gamma-Chlordane	ug/L	0.10	0.13	128	56 - 136	J
alpha-Chlordane	ug/L	0.10	0.11	108	60 - 129	J
Endosulfan I	ug/L	0.10	0.098	98	62 - 126	J
4,4`-DDE	ug/L	0.10	0.11	113	57 - 135	J
Dieldrin	ug/L	0.10	0.11	112	60 - 136	J
Endrin	ug/L	0.10	0.11	108	60 - 138	J
4,4`-DDD	ug/L	0.10	0.1	104	56 - 143	J
Endosulfan II	ug/L	0.10	0.096	96	52 - 135	J
Endrin Aldehyde	ug/L	0.10	0.12	115	51 - 132	J
4,4`-DDT	ug/L	0.10	0.11	107	51 - 143	J
Endosulfan Sulfate	ug/L	0.10	0.12	117	62 - 133	J
Methoxychlor	ug/L	0.10	0.13	126	54 - 145	J
Endrin ketone	ug/L	0.10	0.11	107	58 - 134	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.000515	103	48 - 137	J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.0011	110	44 - 124	J

Matrix Spike (5415093); Matrix Spike Duplicate (5415094); Original (J2410907001); Parent Lab Sample (J2410907001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
alpha-BHC	ug/L	0.10	0.067	67	54 - 138	0.014	**14**	**130**	30	J
gamma-BHC (Lindane)	ug/L	0.10	0.077	77	59 - 134	0.017	**17**	**127**	30	J
beta-BHC	ug/L	0.10	0.08	80	56 - 136	0.017	**17**	**130**	30	J
delta-BHC	ug/L	0.10	0.084	84	52 - 142	0.018	**18**	**131**	30	J
Heptachlor	ug/L	0.10	0.05	**50**	54 - 130	0.013	**13**	**117**	30	J
Aldrin	ug/L	0.10	0.11	108	45 - 134	0.041	**41**	**89**	30	J
Heptachlor Epoxide	ug/L	0.10	0.076	76	61 - 133	0.015	**15**	**133**	30	J
gamma-Chlordane	ug/L	0.10	0.066	66	56 - 136	0.012	**12**	**141**	30	J
alpha-Chlordane	ug/L	0.10	0.074	74	60 - 129	0.015	**15**	**133**	30	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Batch: GCSj/6726 **Analysis Method:** DOD SW-846 8081B
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Endosulfan I	ug/L	0.10	0.079	79	62 - 126	0.019	**19**	**124**	30	J
4,4`-DDE	ug/L	0.10	0.078	78	57 - 135	0.017	**17**	**129**	30	J
Dieldrin	ug/L	0.10	0.088	88	60 - 136	0.02	**20**	**126**	30	J
Endrin	ug/L	0.10	0.089	89	60 - 138	0.021	**21**	**125**	30	J
4,4`-DDD	ug/L	0.10	0.089	89	56 - 143	0.024	**24**	**115**	30	J
Endosulfan II	ug/L	0.10	0.074	74	52 - 135	0.012	**12**	**145**	30	J
Endrin Aldehyde	ug/L	0.10	0.072	72	51 - 132	0.023	**23**	**103**	30	J
4,4`-DDT	ug/L	0.10	0.092	92	51 - 143	0.03	**30**	**101**	30	J
Endosulfan Sulfate	ug/L	0.10	0.11	110	62 - 133	0.03	**30**	**114**	30	J
Methoxychlor	ug/L	0.10	0.086	86	54 - 145	0.032	**32**	**92**	30	J
Endrin ketone	ug/L	0.10	0.075	75	58 - 134	0.015	**15**	**133**	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.00034	68	48 - 137	0.00008	18	118		J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.00060	61	44 - 124	0.00021	22	94		J

QC Result Comments

Matrix Spike - 5415093 - Heptachlor

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5415094 - 4,4`-DDD

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5415094 - 4,4`-DDE

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5415094 - 4,4`-DDT

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5415094 - Aldrin

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5415094 - Dieldrin

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5415094 - Endosulfan I

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Result Comments
Matrix Spike Duplicate - 5415094 - Endosulfan II
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - Endosulfan Sulfate
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - Endrin
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - Endrin Aldehyde
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - Endrin ketone
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - Heptachlor
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - Heptachlor Epoxide
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - Methoxychlor
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - alpha-BHC
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - alpha-Chlordane
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - beta-BHC
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - delta-BHC
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - gamma-BHC (Lindane)
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - gamma-Chlordane
*|MS/MSD recovery and/or RPD is out of criteria

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QC Results

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Batch: GCSj/6727 **Analysis Method:** DoD SW-846 8082A
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Method Blank(5415095)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Aroclor 1016 (PCB-1016)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1221 (PCB-1221)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1232 (PCB-1232)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1242 (PCB-1242)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1248 (PCB-1248)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1254 (PCB-1254)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1260 (PCB-1260)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1262 (PCB-1262)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1268 (PCB-1268)	0.25U	ug/L	0.12	0.25	0.50	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.000511	102	44 - 136	J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.001080	108	61 - 119	J

Lab Control Sample (5415096)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Aroclor 1016 (PCB-1016)	ug/L	1	0.94	94	46 - 129	J
Aroclor 1260 (PCB-1260)	ug/L	1	0.92	92	45 - 134	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.000494	99	44 - 136	J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.001020	102	61 - 119	J

Matrix Spike (5415098); Matrix Spike Duplicate (5415099); Original (J2410907003); Parent Lab Sample (J2410907003)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Aroclor 1016 (PCB-1016)	ug/L	1	0.79	79	46 - 129	0.76	76	4.70	30	J
Aroclor 1260 (PCB-1260)	ug/L	1	0.6	60	45 - 134	0.62	62	2.80	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.00021	**43**	44 - 136	0.00022	44	2.10		J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.00083	84	61 - 119	0.00088	88	4.80		J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Results

QC Batch: ICMj/4560 **Analysis Method:** DoD SW-846 6020A
Preparation Method: SW-846 3010A
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Method Blank(5419829)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Beryllium	2.0U	ug/L	1.0	2.0	4.0	J
Chromium	1.0U	ug/L	0.50	1.0	2.0	J
Nickel	2.5U	ug/L	1.2	2.5	5.0	J
Copper	2.0U	ug/L	1.0	2.0	4.0	J
Zinc	12U	ug/L	6.0	12	24	J
Arsenic	0.50U	ug/L	0.25	0.50	1.0	J
Selenium	2.5U	ug/L	1.2	2.5	5.0	J
Silver	1.0U	ug/L	0.50	1.0	2.0	J
Cadmium	0.50U	ug/L	0.25	0.50	1.0	J
Antimony	2.0U	ug/L	1.0	2.0	4.0	J
Barium	1.0U	ug/L	0.50	1.0	2.0	J
Thallium	0.50U	ug/L	0.25	0.50	1.0	J
Lead	1.0U	ug/L	0.50	1.0	2.0	J

Lab Control Sample (5419830)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Beryllium	ug/L	20	21	105	83 - 121	J
Chromium	ug/L	20	19	96	85 - 116	J
Nickel	ug/L	20	21	103	85 - 117	J
Copper	ug/L	20	19	96	85 - 118	J
Zinc	ug/L	520	530	102	83 - 119	J
Arsenic	ug/L	20	20	102	84 - 116	J
Selenium	ug/L	20	20	99	80 - 120	J
Silver	ug/L	20	20	101	85 - 116	J
Cadmium	ug/L	20	21	103	87 - 115	J
Antimony	ug/L	20	20	98	85 - 117	J
Barium	ug/L	20	20	98	86 - 114	J
Thallium	ug/L	20	20	98	82 - 116	J
Lead	ug/L	20	19	97	88 - 115	J

Matrix Spike (5419831); Matrix Spike Duplicate (5419832); Original (J2410895004); Parent Lab Sample (J2410895004)

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Batch: ICMj/4560 **Analysis Method:** DoD SW-846 6020A
Preparation Method: SW-846 3010A
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Beryllium	ug/L	20	20	101	83 - 121	20	102	1.80	20	J
Chromium	ug/L	20	19	97	85 - 116	19	97	0.20	20	J
Nickel	ug/L	20	23	114	85 - 117	23	114	0.40	20	J
Copper	ug/L	20	19	94	85 - 118	19	94	0.40	20	J
Zinc	ug/L	520	500	96	83 - 119	500	96	0.50	20	J
Arsenic	ug/L	20	25	101	84 - 116	26	101	0.70	20	J
Selenium	ug/L	20	19	93	80 - 120	19	97	4.50	20	J
Silver	ug/L	20	20	100	85 - 116	20	99	0.40	20	J
Cadmium	ug/L	20	21	103	87 - 115	20	102	0.20	20	J
Antimony	ug/L	20	20	102	85 - 117	20	101	0.60	20	J
Barium	ug/L	20	37	99	86 - 114	37	102	1.70	20	J
Thallium	ug/L	20	20	102	82 - 116	20	102	0.30	20	J
Lead	ug/L	20	21	104	88 - 115	21	105	0.70	20	J

Matrix Spike (5419831); Matrix Spike Duplicate (5419832); Original (J2410895004); Parent Lab Sample (J2410895004)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Beryllium	ug/L	20	20	101	83 - 121	20	102	1.80	20	J
Chromium	ug/L	20	19	97	85 - 116	19	97	0.20	20	J
Nickel	ug/L	20	23	114	85 - 117	23	114	0.40	20	J
Copper	ug/L	20	19	94	85 - 118	19	94	0.40	20	J
Zinc	ug/L	520	500	96	83 - 119	500	96	0.50	20	J
Arsenic	ug/L	20	25	101	84 - 116	26	101	0.70	20	J
Selenium	ug/L	20	19	93	80 - 120	19	97	4.50	20	J
Silver	ug/L	20	20	100	85 - 116	20	99	0.40	20	J
Cadmium	ug/L	20	21	103	87 - 115	20	102	0.20	20	J
Antimony	ug/L	20	20	102	85 - 117	20	101	0.60	20	J
Barium	ug/L	20	37	99	86 - 114	37	102	1.70	20	J
Thallium	ug/L	20	20	102	82 - 116	20	102	0.30	20	J
Lead	ug/L	20	21	104	88 - 115	21	105	0.70	20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Results

QC Batch: MSSj/4152 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Method Blank(5410916)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Phenol	2.5U	ug/L	1.2	2.5	5.0	J
2-Chlorophenol	2.5U	ug/L	1.2	2.5	5.0	J
2-Methylphenol (o-Cresol)	2.5U	ug/L	1.2	2.5	5.0	J
3+4-Methylphenol(mp-Cresol)	5.0U	ug/L	2.5	5.0	10	J
2-Nitrophenol	2.5U	ug/L	1.2	2.5	5.0	J
2,4-Dimethylphenol	5.0U	ug/L	2.5	5.0	10	J
2,4-Dichlorophenol	2.5U	ug/L	1.2	2.5	5.0	J
4-Chloro-3-methylphenol	2.5U	ug/L	1.2	2.5	5.0	J
2,4,6-Trichlorophenol	2.5U	ug/L	1.2	2.5	5.0	J
2,4,5-Trichlorophenol	2.5U	ug/L	1.2	2.5	5.0	J
2,4-Dinitrophenol	2.5U	ug/L	1.2	2.5	5.0	J
4-Nitrophenol	5.0U	ug/L	2.5	5.0	10	J
2-Methyl-4,6-dinitrophenol	5.0U	ug/L	2.5	5.0	10	J
Pentachlorophenol	1.9U	ug/L	0.96	1.9	5.0	J
bis(2-Chloroethyl)Ether	2.5U	ug/L	1.2	2.5	5.0	J
bis(2-Chloroisopropyl) Ether	2.5U	ug/L	1.2	2.5	5.0	J
Acetophenone	2.5U	ug/L	1.2	2.5	5.0	J
N-Nitrosodi-n-propylamine	5.0U	ug/L	2.5	5.0	10	J
Hexachloroethane	2.5U	ug/L	1.2	2.5	5.0	J
Nitrobenzene	2.5U	ug/L	1.2	2.5	5.0	J
Isophorone	2.5U	ug/L	1.2	2.5	5.0	J
bis(2-Chloroethoxy)methane	2.5U	ug/L	1.2	2.5	5.0	J
Naphthalene	0.20U	ug/L	0.10	0.20	0.40	J
4-Chloroaniline	2.5U	ug/L	1.2	2.5	5.0	J
Hexachlorobutadiene	2.5U	ug/L	1.2	2.5	5.0	J
2-Methylnaphthalene	0.20U	ug/L	0.10	0.20	0.40	J
Hexachlorocyclopentadiene	5.0U	ug/L	2.5	5.0	10	J
2-Chloronaphthalene	2.5U	ug/L	1.2	2.5	5.0	J
2-Nitroaniline	2.5U	ug/L	1.2	2.5	5.0	J
Dimethyl phthalate	2.5U	ug/L	1.2	2.5	5.0	J
2,6-Dinitrotoluene (2,6-DNT)	5.0U	ug/L	2.5	5.0	10	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Batch: MSSj/4152 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Parameter	Results	Units	DL	LOD	LOQ	Lab
Acenaphthylene	0.20U	ug/L	0.10	0.20	0.40	J
3-Nitroaniline	2.5U	ug/L	1.2	2.5	5.0	J
Acenaphthene	0.20U	ug/L	0.10	0.20	0.40	J
Dibenzofuran	0.20U	ug/L	0.10	0.20	0.40	J
2,4-Dinitrotoluene (2,4-DNT)	5.0U	ug/L	2.5	5.0	10	J
Diethyl phthalate	2.5U	ug/L	1.2	2.5	5.0	J
Fluorene	0.20U	ug/L	0.10	0.20	0.40	J
4-Chlorophenyl Phenyl Ether	5.0U	ug/L	2.5	5.0	10	J
4-Nitroaniline	2.5U	ug/L	1.2	2.5	5.0	J
4-Bromophenyl Phenyl Ether	2.5U	ug/L	1.2	2.5	5.0	J
Hexachlorobenzene	2.5U	ug/L	1.2	2.5	5.0	J
Phenanthrene	0.20U	ug/L	0.10	0.20	0.40	J
Anthracene	0.20U	ug/L	0.10	0.20	0.40	J
Carbazole	0.20U	ug/L	0.10	0.20	0.40	J
Di-n-Butyl Phthalate	5.0U	ug/L	2.5	5.0	10	J
Fluoranthene	0.20U	ug/L	0.10	0.20	0.40	J
Pyrene	0.20U	ug/L	0.10	0.20	0.40	J
Butyl benzyl phthalate	5.0U	ug/L	2.5	5.0	10	J
Benzo[a]anthracene	0.099U	ug/L	0.050	0.099	0.40	J
3,3`-Dichlorobenzidine	5.0U	ug/L	2.5	5.0	10	J
Chrysene	0.20U	ug/L	0.10	0.20	0.40	J
bis(2-Ethylhexyl) phthalate	5.0U	ug/L	2.5	5.0	10	J
Di-n-octyl Phthalate	5.0U	ug/L	2.5	5.0	10	J
Benzo[b]fluoranthene	0.099U	ug/L	0.050	0.099	0.40	J
Benzo[k]fluoranthene	0.20U	ug/L	0.10	0.20	0.40	J
Benzo[a]pyrene	0.20U	ug/L	0.10	0.20	0.40	J
Indeno(1,2,3-cd)pyrene	0.099U	ug/L	0.050	0.099	0.40	J
Dibenzo[a,h]anthracene	0.20U	ug/L	0.10	0.20	0.40	J
Benzo[g,h,i]perylene	0.20U	ug/L	0.10	0.20	0.40	J
N-Nitrosodiphenylamine	5.0U	ug/L	2.5	5.0	10	J
Biphenyl	5.0U	ug/L	2.5	5.0	10	J
Atrazine	5.0U	ug/L	2.5	5.0	10	J
Benzaldehyde	5.0U	ug/L	2.5	5.0	10	J
Caprolactam	5.0U	ug/L	2.5	5.0	10	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Batch: MSSj/4152 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Surrogates

2,4,6-Tribromophenol (S)	mg/L	0.05	0.0412	82	43 - 140	J
2-Fluorophenol (S)	mg/L	0.05	0.0407	81	19 - 119	J
Fluoranthene-d10 (S)	mg/L	0.05	0.0496	99	49 - 126	J
Phenol-d6 (S)	mg/L	0.05	0.04	80	21 - 132	J
p-Terphenyl-d14 (S)	mg/L	0.05	0.0424	85	50 - 134	J

Lab Control Sample (5410917); Lab Control Sample Duplicate (5410918); Parent Lab Sample (J2410907001, J2410907002, J2410907003, J2410907004)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Phenol	ug/L	50	31	61	38 - 113	29	57	6.50	20	J
2-Chlorophenol	ug/L	50	41	82	38 - 117	39	77	5.50	20	J
2-Methylphenol (o-Cresol)	ug/L	50	41	82	30 - 117	39	78	6	20	J
3+4-Methylphenol(mp-Cres	ug/L	50	40	81	29 - 110	39	78	4.20	20	J
2-Nitrophenol	ug/L	50	44	88	47 - 123	44	89	1.60	20	J
2,4-Dimethylphenol	ug/L	50	49	99	31 - 124	51	101	2.20	20	J
2,4-Dichlorophenol	ug/L	50	42	83	47 - 121	43	85	2.20	20	J
4-Chloro-3-methylphenol	ug/L	50	43	87	52 - 119	43	87	0.40	20	J
2,4,6-Trichlorophenol	ug/L	50	44	88	50 - 125	42	85	3.30	20	J
2,4,5-Trichlorophenol	ug/L	50	43	87	53 - 123	42	85	2.20	20	J
2,4-Dinitrophenol	ug/L	50	46	91	23 - 143	46	91	0.20	20	J
4-Nitrophenol	ug/L	50	40	80	45 - 127	38	76	4.30	20	J
2-Methyl-4,6-dinitrophenol	ug/L	50	52	103	44 - 137	51	101	1.80	20	J
Pentachlorophenol	ug/L	50	39	77	35 - 138	40	80	3.30	20	J
bis(2-Chloroethyl)Ether	ug/L	50	41	82	43 - 118	39	77	6.10	20	J
bis(2-Chloroisopropyl) Ethe	ug/L	50	40	79	37 - 130	37	75	5.90	20	J
Acetophenone	ug/L	50	40	80	46 - 118	38	77	4.30	20	J
N-Nitrosodi-n-propylamine	ug/L	50	42	83	49 - 119	39	79	5.40	20	J
Hexachloroethane	ug/L	50	36	72	21 - 115	33	67	7.10	20	J
Nitrobenzene	ug/L	50	42	83	45 - 121	41	82	1.40	20	J
Isophorone	ug/L	50	41	82	42 - 124	41	82	0.30	20	J
bis(2-Chloroethoxy)methan	ug/L	50	42	84	48 - 120	41	83	0.90	20	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Batch: MSSj/4152 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Naphthalene	ug/L	50	41	82	43 - 114	41	82	0.60	20	J
4-Chloroaniline	ug/L	50	40	80	33 - 117	39	78	2.80	20	J
Hexachlorobutadiene	ug/L	50	38	75	22 - 124	38	77	1.90	20	J
2-Methylnaphthalene	ug/L	50	41	83	39 - 114	42	83	0.80	20	J
Hexachlorocyclopentadiene	ug/L	50	60	120	51 - 141	59	117	2.50	20	J
2-Chloronaphthalene	ug/L	50	39	79	40 - 116	38	76	3.80	20	J
2-Nitroaniline	ug/L	50	47	93	55 - 127	44	89	5	20	J
Dimethyl phthalate	ug/L	50	44	88	45 - 127	43	85	2.90	20	J
2,6-Dinitrotoluene (2,6-DNT	ug/L	50	47	94	57 - 124	45	90	4.20	20	J
Acenaphthylene	ug/L	50	50	100	35 - 121	48	97	3.20	20	J
3-Nitroaniline	ug/L	50	48	96	41 - 128	47	94	1.30	20	J
Acenaphthene	ug/L	50	43	85	48 - 114	41	82	3.60	20	J
Dibenzofuran	ug/L	50	45	90	35 - 120	43	86	4.20	20	J
2,4-Dinitrotoluene (2,4-DNT	ug/L	50	47	95	57 - 128	45	91	4.10	20	J
Diethyl phthalate	ug/L	50	45	89	56 - 125	44	87	2.30	20	J
Fluorene	ug/L	50	46	93	50 - 118	44	89	4.30	20	J
4-Chlorophenyl Phenyl Eth	ug/L	50	43	86	53 - 121	42	84	3.50	20	J
4-Nitroaniline	ug/L	50	50	101	64 - 143	49	99	1.90	20	J
4-Bromophenyl Phenyl Eth	ug/L	50	43	86	55 - 124	44	88	1.90	20	J
Hexachlorobenzene	ug/L	50	43	86	53 - 125	43	86	0.10	20	J
Phenanthrene	ug/L	50	45	90	53 - 115	46	91	1.40	20	J
Anthracene	ug/L	50	44	88	53 - 119	44	88	0.30	20	J
Carbazole	ug/L	50	46	93	45 - 123	46	93	0	20	J
Di-n-Butyl Phthalate	ug/L	50	44	89	59 - 127	46	92	3.90	20	J
Fluoranthene	ug/L	50	45	90	58 - 120	47	93	3.70	20	J
Pyrene	ug/L	50	45	91	53 - 121	45	90	1.30	20	J
Butyl benzyl phthalate	ug/L	50	47	93	53 - 134	46	91	2	20	J
Benzo[a]anthracene	ug/L	50	49	97	59 - 120	47	95	2.10	20	J
3,3`-Dichlorobenzidine	ug/L	50	41	82	27 - 129	41	82	1.10	20	J
Chrysene	ug/L	50	46	93	57 - 120	46	92	1.40	20	J
bis(2-Ethylhexyl) phthalate	ug/L	50	47	93	55 - 135	44	89	4.70	20	J
Di-n-octyl Phthalate	ug/L	50	47	94	51 - 140	46	93	1.20	20	J
Benzo[b]fluoranthene	ug/L	50	48	95	53 - 126	48	96	0.70	20	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Batch: MSSj/4152 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzo[k]fluoranthene	ug/L	50	43	86	54 - 125	43	86	0.60	20	J
Benzo[a]pyrene	ug/L	50	45	91	53 - 120	45	91	0.20	20	J
Indeno(1,2,3-cd)pyrene	ug/L	50	45	90	48 - 130	43	87	4.10	20	J
Dibenzo[a,h]anthracene	ug/L	50	44	87	44 - 131	45	90	2.80	20	J
Benzo[g,h,i]perylene	ug/L	50	42	85	44 - 128	43	86	1.70	20	J
N-Nitrosodiphenylamine	ug/L	50	38	76	51 - 123	38	76	0.30	20	J
Biphenyl	ug/L	50	42	85	49 - 115	40	81	4.50	20	J
Atrazine	ug/L	50	45	89	44 - 142	42	85	5.50	20	J
Benzaldehyde	ug/L	50	25	50	10 - 98	24	48	3.80	20	J
Caprolactam	ug/L	50	24	48	33 - 132	24	48	0	20	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2,4,6-Tribromophenol (S)	mg/L	0.05	0.0429	86	43 - 140	0.0431	86	0.40		J
2-Fluorobiphenyl (S)	mg/L	0.05	0.0402	80	44 - 119	0.0392	78	2.70		J
2-Fluorophenol (S)	mg/L	0.05	0.0345	69	19 - 119	0.0330	66	4.40		J
2-Methylnaphthalene-d10 (S)	mg/L	0.05	0.0436	87	41 - 131	0.0447	89	2.40		J
Fluoranthene-d10 (S)	mg/L	0.05	0.0478	96	49 - 126	0.0491	98	2.60		J
Nitrobenzene-d5 (S)	mg/L	0.05	0.0325	65	44 - 120	0.0395	79	19		J
Phenol-d6 (S)	mg/L	0.05	0.0289	58	21 - 132	0.0274	55	5.50		J
p-Terphenyl-d14 (S)	mg/L	0.05	0.0430	86	50 - 134	0.0424	85	1.30		J

Matrix Spike (5410919); Original (J2410916008); Parent Lab Sample (J2410916008)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Phenol	ug/L	50	14	**28**	38 - 113	J
2-Chlorophenol	ug/L	50	39	77	38 - 117	J
2-Methylphenol (o-Cresol)	ug/L	50	32	63	30 - 117	J
3+4-Methylphenol(mp-Cresol)	ug/L	50	29	57	29 - 110	J
2-Nitrophenol	ug/L	50	47	95	47 - 123	J
2,4-Dimethylphenol	ug/L	50	46	91	31 - 124	J
2,4-Dichlorophenol	ug/L	50	43	86	47 - 121	J
4-Chloro-3-methylphenol	ug/L	50	42	84	52 - 119	J
2,4,6-Trichlorophenol	ug/L	50	44	87	50 - 125	J
2,4,5-Trichlorophenol	ug/L	50	44	88	53 - 123	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Batch: MSSj/4152 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4-Dinitrophenol	ug/L	50	47	93	23 - 143	J
4-Nitrophenol	ug/L	50	20	**40**	45 - 127	J
2-Methyl-4,6-dinitrophenol	ug/L	50	50	100	44 - 137	J
Pentachlorophenol	ug/L	50	36	73	35 - 138	J
bis(2-Chloroethyl)Ether	ug/L	50	42	83	43 - 118	J
bis(2-Chloroisopropyl) Ether	ug/L	50	41	82	37 - 130	J
Acetophenone	ug/L	50	41	83	46 - 118	J
N-Nitrosodi-n-propylamine	ug/L	50	45	89	49 - 119	J
Hexachloroethane	ug/L	50	31	62	21 - 115	J
Nitrobenzene	ug/L	50	44	87	45 - 121	J
Isophorone	ug/L	50	43	87	42 - 124	J
bis(2-Chloroethoxy)methane	ug/L	50	43	87	48 - 120	J
Naphthalene	ug/L	50	40	79	43 - 114	J
4-Chloroaniline	ug/L	50	38	77	33 - 117	J
Hexachlorobutadiene	ug/L	50	34	67	22 - 124	J
2-Methylnaphthalene	ug/L	50	39	78	39 - 114	J
Hexachlorocyclopentadiene	ug/L	50	60	120	51 - 141	J
2-Chloronaphthalene	ug/L	50	39	79	40 - 116	J
2-Nitroaniline	ug/L	50	47	94	55 - 127	J
Dimethyl phthalate	ug/L	50	44	87	45 - 127	J
2,6-Dinitrotoluene (2,6-DNT)	ug/L	50	48	95	57 - 124	J
Acenaphthylene	ug/L	50	47	95	35 - 121	J
3-Nitroaniline	ug/L	50	45	91	41 - 128	J
Acenaphthene	ug/L	50	39	79	48 - 114	J
Dibenzofuran	ug/L	50	42	84	35 - 120	J
2,4-Dinitrotoluene (2,4-DNT)	ug/L	50	47	94	57 - 128	J
Diethyl phthalate	ug/L	50	45	90	56 - 125	J
Fluorene	ug/L	50	43	86	50 - 118	J
4-Chlorophenyl Phenyl Ether	ug/L	50	43	85	53 - 121	J
4-Nitroaniline	ug/L	50	47	95	64 - 143	J
4-Bromophenyl Phenyl Ether	ug/L	50	44	88	55 - 124	J
Hexachlorobenzene	ug/L	50	43	87	53 - 125	J
Phenanthrene	ug/L	50	44	87	53 - 115	J
Anthracene	ug/L	50	43	87	53 - 119	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Batch: MSSj/4152 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Carbazole	ug/L	50	45	91	45 - 123	J
Di-n-Butyl Phthalate	ug/L	50	48	95	59 - 127	J
Fluoranthene	ug/L	50	46	92	58 - 120	J
Pyrene	ug/L	50	43	86	53 - 121	J
Butyl benzyl phthalate	ug/L	50	47	93	53 - 134	J
Benzo[a]anthracene	ug/L	50	43	86	59 - 120	J
3,3`-Dichlorobenzidine	ug/L	50	40	79	27 - 129	J
Chrysene	ug/L	50	40	81	57 - 120	J
bis(2-Ethylhexyl) phthalate	ug/L	50	46	93	55 - 135	J
Di-n-octyl Phthalate	ug/L	50	48	95	51 - 140	J
Benzo[b]fluoranthene	ug/L	50	43	87	53 - 126	J
Benzo[k]fluoranthene	ug/L	50	41	82	54 - 125	J
Benzo[a]pyrene	ug/L	50	45	91	53 - 120	J
Indeno(1,2,3-cd)pyrene	ug/L	50	44	88	48 - 130	J
Dibenzo[a,h]anthracene	ug/L	50	45	89	44 - 131	J
Benzo[g,h,i]perylene	ug/L	50	43	86	44 - 128	J
N-Nitrosodiphenylamine	ug/L	50	39	78	51 - 123	J
Biphenyl	ug/L	50	42	84	49 - 115	J
Atrazine	ug/L	50	44	88	44 - 142	J
Benzaldehyde	ug/L	50	24	49	10 - 98	J
Caprolactam	ug/L	50	14	**28**	33 - 132	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	0.05	0.0407	81	43 - 140	J
2-Fluorobiphenyl (S)	mg/L	0.05	0.0405	81	44 - 119	J
2-Fluorophenol (S)	mg/L	0.05	0.0208	42	19 - 119	J
2-Methylnaphthalene-d10 (S)	mg/L	0.05	0.0402	80	41 - 131	J
Fluoranthene-d10 (S)	mg/L	0.05	0.0458	92	49 - 126	J
Nitrobenzene-d5 (S)	mg/L	0.05	0.0420	84	44 - 120	J
Phenol-d6 (S)	mg/L	0.05	0.0128	26	21 - 132	J
p-Terphenyl-d14 (S)	mg/L	0.05	0.0418	84	50 - 134	J

Method Blank(5410916)

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Batch: MSSj/4152 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Parameter	Results	Units	DL	LOD	LOQ	Lab
Phenol	2.5U	ug/L	1.2	2.5	5.0	J
2-Chlorophenol	2.5U	ug/L	1.2	2.5	5.0	J
2-Methylphenol (o-Cresol)	2.5U	ug/L	1.2	2.5	5.0	J
3+4-Methylphenol(mp-Cresol)	5.0U	ug/L	2.5	5.0	10	J
2-Nitrophenol	2.5U	ug/L	1.2	2.5	5.0	J
2,4-Dimethylphenol	5.0U	ug/L	2.5	5.0	10	J
2,4-Dichlorophenol	2.5U	ug/L	1.2	2.5	5.0	J
4-Chloro-3-methylphenol	2.5U	ug/L	1.2	2.5	5.0	J
2,4,6-Trichlorophenol	2.5U	ug/L	1.2	2.5	5.0	J
2,4,5-Trichlorophenol	2.5U	ug/L	1.2	2.5	5.0	J
2,4-Dinitrophenol	2.5U	ug/L	1.2	2.5	5.0	J
4-Nitrophenol	5.0U	ug/L	2.5	5.0	10	J
2-Methyl-4,6-dinitrophenol	5.0U	ug/L	2.5	5.0	10	J
Pentachlorophenol	1.9U	ug/L	0.96	1.9	5.0	J
bis(2-Chloroethyl)Ether	2.5U	ug/L	1.2	2.5	5.0	J
bis(2-Chloroisopropyl) Ether	2.5U	ug/L	1.2	2.5	5.0	J
Acetophenone	2.5U	ug/L	1.2	2.5	5.0	J
N-Nitrosodi-n-propylamine	5.0U	ug/L	2.5	5.0	10	J
Hexachloroethane	2.5U	ug/L	1.2	2.5	5.0	J
Nitrobenzene	2.5U	ug/L	1.2	2.5	5.0	J
Isophorone	2.5U	ug/L	1.2	2.5	5.0	J
bis(2-Chloroethoxy)methane	2.5U	ug/L	1.2	2.5	5.0	J
Naphthalene	0.20U	ug/L	0.10	0.20	0.40	J
4-Chloroaniline	2.5U	ug/L	1.2	2.5	5.0	J
Hexachlorobutadiene	2.5U	ug/L	1.2	2.5	5.0	J
2-Methylnaphthalene	0.20U	ug/L	0.10	0.20	0.40	J
Hexachlorocyclopentadiene	5.0U	ug/L	2.5	5.0	10	J
2-Chloronaphthalene	2.5U	ug/L	1.2	2.5	5.0	J
2-Nitroaniline	2.5U	ug/L	1.2	2.5	5.0	J
Dimethyl phthalate	2.5U	ug/L	1.2	2.5	5.0	J
2,6-Dinitrotoluene (2,6-DNT)	5.0U	ug/L	2.5	5.0	10	J
Acenaphthylene	0.20U	ug/L	0.10	0.20	0.40	J
3-Nitroaniline	2.5U	ug/L	1.2	2.5	5.0	J
Acenaphthene	0.20U	ug/L	0.10	0.20	0.40	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Batch: MSSj/4152 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Parameter	Results	Units	DL	LOD	LOQ	Lab
Dibenzofuran	0.20U	ug/L	0.10	0.20	0.40	J
2,4-Dinitrotoluene (2,4-DNT)	5.0U	ug/L	2.5	5.0	10	J
Diethyl phthalate	2.5U	ug/L	1.2	2.5	5.0	J
Fluorene	0.20U	ug/L	0.10	0.20	0.40	J
4-Chlorophenyl Phenyl Ether	5.0U	ug/L	2.5	5.0	10	J
4-Nitroaniline	2.5U	ug/L	1.2	2.5	5.0	J
4-Bromophenyl Phenyl Ether	2.5U	ug/L	1.2	2.5	5.0	J
Hexachlorobenzene	2.5U	ug/L	1.2	2.5	5.0	J
Phenanthrene	0.20U	ug/L	0.10	0.20	0.40	J
Anthracene	0.20U	ug/L	0.10	0.20	0.40	J
Carbazole	0.20U	ug/L	0.10	0.20	0.40	J
Di-n-Butyl Phthalate	5.0U	ug/L	2.5	5.0	10	J
Fluoranthene	0.20U	ug/L	0.10	0.20	0.40	J
Pyrene	0.20U	ug/L	0.10	0.20	0.40	J
Butyl benzyl phthalate	5.0U	ug/L	2.5	5.0	10	J
Benzo[a]anthracene	0.099U	ug/L	0.050	0.099	0.40	J
3,3`-Dichlorobenzidine	5.0U	ug/L	2.5	5.0	10	J
Chrysene	0.20U	ug/L	0.10	0.20	0.40	J
bis(2-Ethylhexyl) phthalate	5.0U	ug/L	2.5	5.0	10	J
Di-n-octyl Phthalate	5.0U	ug/L	2.5	5.0	10	J
Benzo[b]fluoranthene	0.099U	ug/L	0.050	0.099	0.40	J
Benzo[k]fluoranthene	0.20U	ug/L	0.10	0.20	0.40	J
Benzo[a]pyrene	0.20U	ug/L	0.10	0.20	0.40	J
Indeno(1,2,3-cd)pyrene	0.099U	ug/L	0.050	0.099	0.40	J
Dibenzo[a,h]anthracene	0.20U	ug/L	0.10	0.20	0.40	J
Benzo[g,h,i]perylene	0.20U	ug/L	0.10	0.20	0.40	J
N-Nitrosodiphenylamine	5.0U	ug/L	2.5	5.0	10	J
Biphenyl	5.0U	ug/L	2.5	5.0	10	J
Atrazine	5.0U	ug/L	2.5	5.0	10	J
Benzaldehyde	5.0U	ug/L	2.5	5.0	10	J
Caprolactam	5.0U	ug/L	2.5	5.0	10	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Batch: MSSj/4152 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Surrogates

2,4,6-Tribromophenol (S)	mg/L	0.05	0.0412	82	43 - 140	J
2-Fluorophenol (S)	mg/L	0.05	0.0407	81	19 - 119	J
Fluoranthene-d10 (S)	mg/L	0.05	0.0496	99	49 - 126	J
Phenol-d6 (S)	mg/L	0.05	0.04	80	21 - 132	J
p-Terphenyl-d14 (S)	mg/L	0.05	0.0424	85	50 - 134	J

Lab Control Sample (5410917); Lab Control Sample Duplicate (5410918); Parent Lab Sample (J2410907001, J2410907002, J2410907003, J2410907004)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Phenol	ug/L	50	31	61	38 - 113	29	57	6.50	20	J
2-Chlorophenol	ug/L	50	41	82	38 - 117	39	77	5.50	20	J
2-Methylphenol (o-Cresol)	ug/L	50	41	82	30 - 117	39	78	6	20	J
3+4-Methylphenol(mp-Cres	ug/L	50	40	81	29 - 110	39	78	4.20	20	J
2-Nitrophenol	ug/L	50	44	88	47 - 123	44	89	1.60	20	J
2,4-Dimethylphenol	ug/L	50	49	99	31 - 124	51	101	2.20	20	J
2,4-Dichlorophenol	ug/L	50	42	83	47 - 121	43	85	2.20	20	J
4-Chloro-3-methylphenol	ug/L	50	43	87	52 - 119	43	87	0.40	20	J
2,4,6-Trichlorophenol	ug/L	50	44	88	50 - 125	42	85	3.30	20	J
2,4,5-Trichlorophenol	ug/L	50	43	87	53 - 123	42	85	2.20	20	J
2,4-Dinitrophenol	ug/L	50	46	91	23 - 143	46	91	0.20	20	J
4-Nitrophenol	ug/L	50	40	80	45 - 127	38	76	4.30	20	J
2-Methyl-4,6-dinitrophenol	ug/L	50	52	103	44 - 137	51	101	1.80	20	J
Pentachlorophenol	ug/L	50	39	77	35 - 138	40	80	3.30	20	J
bis(2-Chloroethyl)Ether	ug/L	50	41	82	43 - 118	39	77	6.10	20	J
bis(2-Chloroisopropyl) Ethe	ug/L	50	40	79	37 - 130	37	75	5.90	20	J
Acetophenone	ug/L	50	40	80	46 - 118	38	77	4.30	20	J
N-Nitrosodi-n-propylamine	ug/L	50	42	83	49 - 119	39	79	5.40	20	J
Hexachloroethane	ug/L	50	36	72	21 - 115	33	67	7.10	20	J
Nitrobenzene	ug/L	50	42	83	45 - 121	41	82	1.40	20	J
Isophorone	ug/L	50	41	82	42 - 124	41	82	0.30	20	J
bis(2-Chloroethoxy)methan	ug/L	50	42	84	48 - 120	41	83	0.90	20	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Batch: MSSj/4152 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Naphthalene	ug/L	50	41	82	43 - 114	41	82	0.60	20	J
4-Chloroaniline	ug/L	50	40	80	33 - 117	39	78	2.80	20	J
Hexachlorobutadiene	ug/L	50	38	75	22 - 124	38	77	1.90	20	J
2-Methylnaphthalene	ug/L	50	41	83	39 - 114	42	83	0.80	20	J
Hexachlorocyclopentadiene	ug/L	50	60	120	51 - 141	59	117	2.50	20	J
2-Chloronaphthalene	ug/L	50	39	79	40 - 116	38	76	3.80	20	J
2-Nitroaniline	ug/L	50	47	93	55 - 127	44	89	5	20	J
Dimethyl phthalate	ug/L	50	44	88	45 - 127	43	85	2.90	20	J
2,6-Dinitrotoluene (2,6-DNT	ug/L	50	47	94	57 - 124	45	90	4.20	20	J
Acenaphthylene	ug/L	50	50	100	35 - 121	48	97	3.20	20	J
3-Nitroaniline	ug/L	50	48	96	41 - 128	47	94	1.30	20	J
Acenaphthene	ug/L	50	43	85	48 - 114	41	82	3.60	20	J
Dibenzofuran	ug/L	50	45	90	35 - 120	43	86	4.20	20	J
2,4-Dinitrotoluene (2,4-DNT	ug/L	50	47	95	57 - 128	45	91	4.10	20	J
Diethyl phthalate	ug/L	50	45	89	56 - 125	44	87	2.30	20	J
Fluorene	ug/L	50	46	93	50 - 118	44	89	4.30	20	J
4-Chlorophenyl Phenyl Eth	ug/L	50	43	86	53 - 121	42	84	3.50	20	J
4-Nitroaniline	ug/L	50	50	101	64 - 143	49	99	1.90	20	J
4-Bromophenyl Phenyl Eth	ug/L	50	43	86	55 - 124	44	88	1.90	20	J
Hexachlorobenzene	ug/L	50	43	86	53 - 125	43	86	0.10	20	J
Phenanthrene	ug/L	50	45	90	53 - 115	46	91	1.40	20	J
Anthracene	ug/L	50	44	88	53 - 119	44	88	0.30	20	J
Carbazole	ug/L	50	46	93	45 - 123	46	93	0	20	J
Di-n-Butyl Phthalate	ug/L	50	44	89	59 - 127	46	92	3.90	20	J
Fluoranthene	ug/L	50	45	90	58 - 120	47	93	3.70	20	J
Pyrene	ug/L	50	45	91	53 - 121	45	90	1.30	20	J
Butyl benzyl phthalate	ug/L	50	47	93	53 - 134	46	91	2	20	J
Benzo[a]anthracene	ug/L	50	49	97	59 - 120	47	95	2.10	20	J
3,3`-Dichlorobenzidine	ug/L	50	41	82	27 - 129	41	82	1.10	20	J
Chrysene	ug/L	50	46	93	57 - 120	46	92	1.40	20	J
bis(2-Ethylhexyl) phthalate	ug/L	50	47	93	55 - 135	44	89	4.70	20	J
Di-n-octyl Phthalate	ug/L	50	47	94	51 - 140	46	93	1.20	20	J
Benzo[b]fluoranthene	ug/L	50	48	95	53 - 126	48	96	0.70	20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Batch: MSSj/4152 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzo[k]fluoranthene	ug/L	50	43	86	54 - 125	43	86	0.60	20	J
Benzo[a]pyrene	ug/L	50	45	91	53 - 120	45	91	0.20	20	J
Indeno(1,2,3-cd)pyrene	ug/L	50	45	90	48 - 130	43	87	4.10	20	J
Dibenzo[a,h]anthracene	ug/L	50	44	87	44 - 131	45	90	2.80	20	J
Benzo[g,h,i]perylene	ug/L	50	42	85	44 - 128	43	86	1.70	20	J
N-Nitrosodiphenylamine	ug/L	50	38	76	51 - 123	38	76	0.30	20	J
Biphenyl	ug/L	50	42	85	49 - 115	40	81	4.50	20	J
Atrazine	ug/L	50	45	89	44 - 142	42	85	5.50	20	J
Benzaldehyde	ug/L	50	25	50	10 - 98	24	48	3.80	20	J
Caprolactam	ug/L	50	24	48	33 - 132	24	48	0	20	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2,4,6-Tribromophenol (S)	mg/L	0.05	0.0429	86	43 - 140	0.0431	86	0.40		J
2-Fluorobiphenyl (S)	mg/L	0.05	0.0402	80	44 - 119	0.0392	78	2.70		J
2-Fluorophenol (S)	mg/L	0.05	0.0345	69	19 - 119	0.0330	66	4.40		J
2-Methylnaphthalene-d10 (S)	mg/L	0.05	0.0436	87	41 - 131	0.0447	89	2.40		J
Fluoranthene-d10 (S)	mg/L	0.05	0.0478	96	49 - 126	0.0491	98	2.60		J
Nitrobenzene-d5 (S)	mg/L	0.05	0.0325	65	44 - 120	0.0395	79	19		J
Phenol-d6 (S)	mg/L	0.05	0.0289	58	21 - 132	0.0274	55	5.50		J
p-Terphenyl-d14 (S)	mg/L	0.05	0.0430	86	50 - 134	0.0424	85	1.30		J

QC Result Comments

Method Blank - 5410916 - 2,4-Dinitrophenol

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Method Blank - 5410916 - 2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample - 5410917 - 2,4-Dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample - 5410917 - 2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample Duplicate - 5410918 - 2,4-Dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Result Comments

Lab Control Sample Duplicate - 5410918 - 2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5410919 - 4-Nitrophenol

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5410919 - Caprolactam

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5410919 - Phenol

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Results

QC Batch: MSSj/4211 **Analysis Method:** DOD SW-846 8270D SIM
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Method Blank(5415368)

Parameter	Results	Units	DL	LOD	LOQ	Lab
1,4-Dioxane	0.40U	ug/L	0.20	0.40	0.80	J
Nitrobenzene-d5	**9.52**	ug/L				J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nitrobenzene-d5 (S)	ug/L	10	9.52	95	55 - 111	J

Lab Control Sample (5415369); Lab Control Sample Duplicate (5415370); Parent Lab Sample (J2410907001, J2410907002, J2410907003, J2410907004)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,4-Dioxane	ug/L	5	5.6	113	59 - 139	5.9	117	3.90	20	J
Nitrobenzene-d5	ug/L	10	9.77	98	55 - 111			2.60		J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Nitrobenzene-d5 (S)	ug/L	10	9.77	98	55 - 111	9.52	95	2.60		J

Matrix Spike (5415371); Original (J2410968002); Parent Lab Sample (J2410968002)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,4-Dioxane	ug/L	5.60	6.5	117	59 - 139	J
Nitrobenzene-d5	ug/L	11.10	5.4	**49**	55 - 111	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nitrobenzene-d5 (S)	ug/L	11.10	5.40	**49**	55 - 111	J

QC Result Comments

Matrix Spike - 5415371 - Nitrobenzene-d5

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Results

QC Batch: MSVj/10300 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5030B
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Method Blank(5417104)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Dichlorodifluoromethane	1.0U	ug/L	0.50	1.0	2.0	J
Chloromethane	0.50U	ug/L	0.25	0.50	1.0	J
Vinyl Chloride	0.50U	ug/L	0.25	0.50	1.0	J
Chloroethane	1.0U	ug/L	0.50	1.0	2.0	J
Trichlorofluoromethane	1.0U	ug/L	0.50	1.0	2.0	J
Acetone	1.0U	ug/L	0.50	1.0	2.0	J
1,1-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	J
Methylene Chloride	2.5U	ug/L	1.2	2.5	5.0	J
Carbon Disulfide	1.0U	ug/L	0.50	1.0	2.0	J
trans-1,2-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	J
Methyl tert-butyl Ether (MTBE)	0.50U	ug/L	0.25	0.50	1.0	J
1,1-Dichloroethane	0.50U	ug/L	0.25	0.50	1.0	J
2-Butanone (MEK)	0.50U	ug/L	0.25	0.50	1.0	J
cis-1,2-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	J
Chloroform	1.0U	ug/L	0.50	1.0	2.0	J
1,2-Dichloroethane	0.50U	ug/L	0.25	0.50	1.0	J
1,1,1-Trichloroethane	1.0U	ug/L	0.50	1.0	2.0	J
Carbon Tetrachloride	0.50U	ug/L	0.25	0.50	1.0	J
Benzene	0.50U	ug/L	0.25	0.50	1.0	J
1,2-Dichloropropane	0.50U	ug/L	0.25	0.50	1.0	J
Trichloroethene	0.50U	ug/L	0.25	0.50	1.0	J
Bromodichloromethane	0.50U	ug/L	0.25	0.50	1.0	J
cis-1,3-Dichloropropene	0.40U	ug/L	0.20	0.40	1.0	J
4-Methyl-2-pentanone (MIBK)	1.0U	ug/L	0.50	1.0	2.0	J
trans-1,3-Dichloropropylene	0.40U	ug/L	0.20	0.40	1.0	J
1,1,2-Trichloroethane	0.50U	ug/L	0.25	0.50	1.0	J
Toluene	0.50U	ug/L	0.25	0.50	1.0	J
2-Hexanone	1.0U	ug/L	0.50	1.0	2.0	J
Dibromochloromethane	0.40U	ug/L	0.20	0.40	1.0	J
Ethylene Dibromide (EDB)	0.50U	ug/L	0.25	0.50	1.0	J
Tetrachloroethylene (PCE)	0.50U	ug/L	0.25	0.50	1.0	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Batch: MSVj/10300 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5030B
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Parameter	Results	Units	DL	LOD	LOQ	Lab
Chlorobenzene	1.0U	ug/L	0.50	1.0	2.0	J
Ethylbenzene	0.50U	ug/L	0.25	0.50	1.0	J
Bromoform	0.50U	ug/L	0.25	0.50	1.0	J
Styrene	1.0U	ug/L	0.50	1.0	2.0	J
1,1,2,2-Tetrachloroethane	0.40U	ug/L	0.20	0.40	1.0	J
Isopropylbenzene	0.50U	ug/L	0.25	0.50	1.0	J
1,3-Dichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	J
1,4-Dichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	J
1,2-Dichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	J
1,2-Dibromo-3-Chloropropane	2.5U	ug/L	1.2	2.5	5.0	J
1,2,4-Trichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	J
Xylene (Total)	1.5U	ug/L	0.75	1.5	3.0	J
1,1,2-Trichlorotrifluoroethane	1.0U	ug/L	0.50	1.0	2.0	J
Cyclohexane	1.0U	ug/L	0.50	1.0	2.0	J
Methyl Acetate	1.0U	ug/L	0.50	1.0	2.0	J
Methyl Cyclohexane	1.0U	ug/L	0.50	1.0	2.0	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	50.60	101	81 - 118	J
Bromofluorobenzene (S)	ug/L	50	51.30	103	85 - 114	J
Toluene-d8 (S)	ug/L	50	48.70	97	89 - 112	J

Lab Control Sample (5417105)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	ug/L	20	22	111	32 - 152	J
Chloromethane	ug/L	20	19	93	50 - 139	J
Vinyl Chloride	ug/L	20	20	99	58 - 137	J
Chloroethane	ug/L	20	20	99	60 - 138	J
Trichlorofluoromethane	ug/L	20	21	103	65 - 141	J
Acetone	ug/L	20	21	104	39 - 160	J
1,1-Dichloroethylene	ug/L	20	20	100	71 - 131	J
Methylene Chloride	ug/L	20	19	95	74 - 124	J
Carbon Disulfide	ug/L	20	19	95	64 - 133	J
trans-1,2-Dichloroethylene	ug/L	20	20	98	75 - 124	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Batch: MSVj/10300 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5030B
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Methyl tert-butyl Ether (MTBE)	ug/L	20	18	92	71 - 124	J
1,1-Dichloroethane	ug/L	20	19	96	77 - 125	J
2-Butanone (MEK)	ug/L	20	18	89	56 - 143	J
cis-1,2-Dichloroethylene	ug/L	20	19	94	78 - 123	J
Chloroform	ug/L	20	19	97	79 - 124	J
1,2-Dichloroethane	ug/L	20	20	99	73 - 128	J
1,1,1-Trichloroethane	ug/L	20	19	97	74 - 131	J
Carbon Tetrachloride	ug/L	20	20	99	72 - 136	J
Benzene	ug/L	20	20	98	79 - 120	J
1,2-Dichloropropane	ug/L	20	19	97	78 - 122	J
Trichloroethene	ug/L	20	19	97	79 - 123	J
Bromodichloromethane	ug/L	20	19	96	79 - 125	J
cis-1,3-Dichloropropene	ug/L	20	18	91	75 - 124	J
4-Methyl-2-pentanone (MIBK)	ug/L	20	18	88	67 - 130	J
trans-1,3-Dichloropropylene	ug/L	20	18	92	73 - 127	J
1,1,2-Trichloroethane	ug/L	20	19	94	80 - 119	J
Toluene	ug/L	20	19	94	80 - 121	J
2-Hexanone	ug/L	20	18	90	57 - 139	J
Dibromochloromethane	ug/L	20	19	93	74 - 126	J
Ethylene Dibromide (EDB)	ug/L	20	19	94	77 - 121	J
Tetrachloroethylene (PCE)	ug/L	20	19	93	74 - 129	J
Chlorobenzene	ug/L	20	19	95	82 - 118	J
Ethylbenzene	ug/L	20	19	95	79 - 121	J
Bromoform	ug/L	20	18	90	66 - 130	J
Styrene	ug/L	20	19	94	78 - 123	J
1,1,2,2-Tetrachloroethane	ug/L	20	18	90	71 - 121	J
Isopropylbenzene	ug/L	20	19	94	72 - 131	J
1,3-Dichlorobenzene	ug/L	20	19	94	80 - 119	J
1,4-Dichlorobenzene	ug/L	20	18	92	79 - 118	J
1,2-Dichlorobenzene	ug/L	20	19	95	80 - 119	J
1,2-Dibromo-3-Chloropropane	ug/L	20	18	92	62 - 128	J
1,2,4-Trichlorobenzene	ug/L	20	19	94	69 - 130	J
Xylene (Total)	ug/L	60	57	95	79 - 121	J
1,1,2-Trichlorotrifluoroethane	ug/L	20	19	97	70 - 136	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Batch: MSVj/10300 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5030B
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Cyclohexane	ug/L	20	19	97	71 - 130	J
Methyl Acetate	ug/L	20	17	86	56 - 136	J
Methyl Cyclohexane	ug/L	20	19	97	72 - 132	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	48.80	98	81 - 118	J
Bromofluorobenzene (S)	ug/L	50	49.60	99	85 - 114	J
Toluene-d8 (S)	ug/L	50	48.80	98	89 - 112	J

Matrix Spike (5417106); Matrix Spike Duplicate (5417107); Original (J2410622010); Parent Lab Sample (J2410622010)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	ug/L	20	20	101	32 - 152	20	100	1.20	20	J
Chloromethane	ug/L	20	20	99	50 - 139	21	104	5.30	20	J
Vinyl Chloride	ug/L	20	20	98	58 - 137	20	102	4.10	20	J
Chloroethane	ug/L	20	20	102	60 - 138	21	107	4.60	20	J
Trichlorofluoromethane	ug/L	20	19	96	65 - 141	20	99	3.60	20	J
1,1-Dichloroethylene	ug/L	20	20	98	71 - 131	20	102	3.80	20	J
Methylene Chloride	ug/L	20	20	99	74 - 124	21	104	4.60	20	J
Carbon Disulfide	ug/L	20	19	94	64 - 133	19	96	2.80	20	J
trans-1,2-Dichloroethylene	ug/L	20	20	98	75 - 124	20	101	2.80	20	J
Methyl tert-butyl Ether (MT	ug/L	20	19	96	71 - 124	20	100	4.60	20	J
1,1-Dichloroethane	ug/L	20	20	98	77 - 125	21	103	5.50	20	J
2-Butanone (MEK)	ug/L	20	15	76	56 - 143	16	80	4.90	20	J
cis-1,2-Dichloroethylene	ug/L	20	25	95	78 - 123	26	101	5.40	20	J
Chloroform	ug/L	20	20	99	79 - 124	20	102	3.40	20	J
1,2-Dichloroethane	ug/L	20	21	105	73 - 128	23	114	7.90	20	J
1,1,1-Trichloroethane	ug/L	20	19	97	74 - 131	20	100	2.80	20	J
Carbon Tetrachloride	ug/L	20	20	99	72 - 136	21	104	4.20	20	J
Benzene	ug/L	20	81	**125**	79 - 120	86	**150**	6	20	J
1,2-Dichloropropane	ug/L	20	21	96	78 - 122	22	99	2.60	20	J
Trichloroethene	ug/L	20	18	92	79 - 123	19	95	3.10	20	J
Bromodichloromethane	ug/L	20	20	99	79 - 125	21	103	4.30	20	J
cis-1,3-Dichloropropene	ug/L	20	18	90	75 - 124	19	96	6.60	20	J
4-Methyl-2-pentanone (MIB	ug/L	20	20	102	67 - 130	21	103	0.80	20	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Batch: MSVj/10300 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5030B
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
trans-1,3-Dichloropropylene	ug/L	20	18	90	73 - 127	19	96	5.80	20	J
1,1,2-Trichloroethane	ug/L	20	20	98	80 - 119	20	102	3.70	20	J
Toluene	ug/L	20	19	93	80 - 121	20	99	6.20	20	J
2-Hexanone	ug/L	20	27	136	57 - 139	28	**141**	4	20	J
Dibromochloromethane	ug/L	20	18	92	74 - 126	20	99	8.30	20	J
Ethylene Dibromide (EDB)	ug/L	20	19	97	77 - 121	20	102	5.70	20	J
Tetrachloroethylene (PCE)	ug/L	20	17	87	74 - 129	17	87	0.50	20	J
Chlorobenzene	ug/L	20	19	94	82 - 118	20	100	5.70	20	J
Ethylbenzene	ug/L	20	18	92	79 - 121	20	98	5.50	20	J
Bromoform	ug/L	20	18	91	66 - 130	19	96	5.30	20	J
Styrene	ug/L	20	19	94	78 - 123	20	98	4.90	20	J
1,1,2,2-Tetrachloroethane	ug/L	20	20	101	71 - 121	22	108	6.70	20	J
Isopropylbenzene	ug/L	20	20	91	72 - 131	21	96	4.90	20	J
1,3-Dichlorobenzene	ug/L	20	17	86	80 - 119	18	89	4	20	J
1,4-Dichlorobenzene	ug/L	20	17	84	79 - 118	19	93	9.60	20	J
1,2-Dichlorobenzene	ug/L	20	18	88	80 - 119	19	96	8.20	20	J
1,2-Dibromo-3-Chloropropa	ug/L	20	19	95	62 - 128	21	104	9.40	20	J
1,2,4-Trichlorobenzene	ug/L	20	16	79	69 - 130	18	90	12	20	J
Xylene (Total)	ug/L	60	59	93	79 - 121	63	99	6.40	20	J
1,1,2-Trichlorotrifluoroethan	ug/L	20	17	85	70 - 136	18	90	6.20	20	J
Cyclohexane	ug/L	20	25	102	71 - 130	26	107	4.20	20	J
Methyl Acetate	ug/L	20	15	73	56 - 136	15	77	5.50	20	J
Methyl Cyclohexane	ug/L	20	18	92	72 - 132	19	95	3	20	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	53.80	108	81 - 118	49.60	99	8		J
Bromofluorobenzene (S)	ug/L	50	48.70	97	85 - 114	49.20	98	1.10		J
Toluene-d8 (S)	ug/L	50	48.70	97	89 - 112	49.70	99	2		J

QC Result Comments

Matrix Spike - 5417106 - Benzene

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Result Comments

Matrix Spike Duplicate - 5417107 - 2-Hexanone

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5417107 - Benzene

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Results

QC Batch: MSVj/10302 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5030B
Associated Lab IDs: J2410907001, J2410907002, J2410907003, J2410907004

Method Blank(5418213)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Bromomethane	1.0U	ug/L	0.50	1.0	2.0	J

Lab Control Sample (5418214)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromomethane	ug/L	20	27	136	53 - 141	J

QC Result Comments

Method Blank - 5418213 - Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample - 5418214 - Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
CVAj/2523 - DoD SW-846 7470A			
J2410907001	TMW-16	DGMj/8728	SW-846 7470A
J2410907002	TMW-11	DGMj/8728	SW-846 7470A
J2410907003	TMW-12	DGMj/8728	SW-846 7470A
J2410907004	TMW-13	DGMj/8728	SW-846 7470A
GCSj/6721 - DoD SW-846 8141B			
J2410907001	TMW-16	EXTj/9637	SW-846 3510C
J2410907002	TMW-11	EXTj/9637	SW-846 3510C
J2410907003	TMW-12	EXTj/9637	SW-846 3510C
J2410907004	TMW-13	EXTj/9637	SW-846 3510C
GCSj/6726 - DOD SW-846 8081B			
J2410907001	TMW-16	EXTj/9635	SW-846 3510C
J2410907002	TMW-11	EXTj/9635	SW-846 3510C
J2410907003	TMW-12	EXTj/9635	SW-846 3510C
J2410907004	TMW-13	EXTj/9635	SW-846 3510C
GCSj/6727 - DoD SW-846 8082A			
J2410907001	TMW-16	EXTj/9636	SW-846 3510C
J2410907002	TMW-11	EXTj/9636	SW-846 3510C
J2410907003	TMW-12	EXTj/9636	SW-846 3510C
J2410907004	TMW-13	EXTj/9636	SW-846 3510C
ICMj/4560 - DoD SW-846 6020A			
J2410907001	TMW-16	DGMj/8739	SW-846 3010A
J2410907002	TMW-11	DGMj/8739	SW-846 3010A
J2410907003	TMW-12	DGMj/8739	SW-846 3010A
J2410907004	TMW-13	DGMj/8739	SW-846 3010A
MSSj/4152 - DoD SW-846 8270D			
J2410907001	TMW-16	EXTj/9600	SW-846 3510C
J2410907002	TMW-11	EXTj/9600	SW-846 3510C
J2410907003	TMW-12	EXTj/9600	SW-846 3510C
J2410907004	TMW-13	EXTj/9600	SW-846 3510C

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410907)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSSj/4211 - DOD SW-846 8270D SIM			
J2410907001	TMW-16	EXTj/9641	SW-846 3510C
J2410907002	TMW-11	EXTj/9641	SW-846 3510C
J2410907003	TMW-12	EXTj/9641	SW-846 3510C
J2410907004	TMW-13	EXTj/9641	SW-846 3510C
MSVj/10300 - DoD SW-846 8260C			
J2410907001	TMW-16	MSVj/10299	SW-846 5030B
J2410907002	TMW-11	MSVj/10299	SW-846 5030B
J2410907003	TMW-12	MSVj/10299	SW-846 5030B
J2410907004	TMW-13	MSVj/10299	SW-846 5030B
MSVj/10302 - DoD SW-846 8260C			
J2410907001	TMW-16	MSVj/10301	SW-846 5030B
J2410907002	TMW-11	MSVj/10301	SW-846 5030B
J2410907003	TMW-12	MSVj/10301	SW-846 5030B
J2410907004	TMW-13	MSVj/10301	SW-846 5030B

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☐ **Fort Myers:** 13100 Westlinks Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: E84492
☑ **Jacksonville:** 6681 Southpoint Pkwy., FL 32216 • 904.363.9350 • Lab ID: E82574
☐ **Tallahassee:** 2639 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: E811095
☐ **Gainesville**
☐ **Miramar**
☐ **Tampa:**

* J24109O7 *

Client Name:	Aerostar SES LLC	Project Name:	Rio Puerto Nuevo DMMA
Address:	3550 St Johns Bluff Rd South	Project Number:	117.24.1078.0001
	Jacksonville, FL 32224	PO Number:	
Phone:	904-565-2820	FDEP Facility No:	
FAX:		FDEP Facility Addr:	
Contact:	Rick Levin		
Sampled By:		Special Instructions:	
Turn Around Time:	(Standard) Rush		
AEL Profile #:	78092	ADaPT EQuIS Other	

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	BOTTLE SIZE & TYPE	40 mL Vials	1L Amber	1L Amber	1L Amber	5 P						LABORATORY I.D. NUMBER
							ANALYSIS REQUIRED	8260 VOCs + 1,4 Dioxane	8270 TCL	8270Sim 1,4-Dioxane	8141/8081/8082	PP Metals (6020/7470)						
							Preservation	HCL	Ice	Ice	Ice	HNO3						
							Field-Filtered?	N	N	N	N	N						
TMW-10		G	7-23-24	1145	GW	10		X	X	X	X	X						001
TMW-11		G	7-23-24	1435	GW	10		X	X	X	X	X						002
TMW-12		G	7-24-24	0925	GW	10		X	X	X	X	X						003
TMW-13		G	7-24-24	1300	GW	10		X	X	X	X	X						004

Matrix Code: **WW** = wastewater **SW** = surface water **GW** = ground water **DW** = drinking water **O** = oil **A** = air **SO** = soil **SL** = sludge

Preservation Code: I = ice H=(HCl) S = (H_2SO_4) N = (HNO_3) T = (Sodium Thiosulfate)

Received on Ice ☑ Yes ☐ No ☑ Temp taken from sample ☐ Temp from blank ☑ Where required, pH checked

Temp. when received (observed) 0.9 °C Temp. when received (corrected) ' °C

DCN: AD-D051web Form last revised 08/07/2019

Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A

	Relinquished by:	Date	Time	Received by:	Date	Time
1		7-25-24	0800	FedEx		
2	FedEx	7/26/24	0900		7/26/24	0900
3						
4						

FOR DRINKING WATER USE:

(When PWS Information not otherwise supplied) PWS ID:

Contact Person:

Supplier of Water:

Site-Address:

May 2025

Rio Puerto Nuevo Flood Control Project, Draft Supplemental Environmental Assessment, San Juan, PR

<1>>

Advanced Environmental Labs Inc

Client: Aerostar | Project name: Rio Puerto Nuevo

Date/Time Rcvd: 7/26/2024 0900 | Log-In request number: DMMA J2410907

Received by: SD | Completed by: Sandra Dwyer

Cooler/Shipping Information:

Courier: ☐ AEL ☐ Client ☐ UPS ☐ Blue Streak ☑ FedEx ☐ AES ☐ ASAP ☐ Other (describe): _____

Type: ☑ Cooler ☐ Box ☐ Other (describe) _____

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

Cooler ID	1	2	3	4	5
Temp (°C)	2.2	2.7	1.9	2.1	0.9
Temp taken from	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☑ Cooler	☐ Sample Bottle ☑ Cooler	☐ Sample Bottle ☑ Cooler	☐ Sample Bottle ☑ Cooler
Temp measured with	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID): J9A	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID): J9A	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID): J9A	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID): J9A	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID): J9A

Other Information:

Any discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact?	✓		
2. Were custody papers properly included with samples?	✓		
3. Were custody papers properly filled out (ink, signed, match labels)?	✓		
4. Did all bottles arrive in good condition (unbroken)?	✓		
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	✓		
6. Did the sample labels agree with the chain of custody?	✓	✓	
7. Were correct bottles used for the tests indicated?	✓		
8. Were proper sample preservation techniques indicated on the label?	✓		
9. Were samples received within holding times?	✓		
10. Were all VOA vials free of the presence of air bubbles?	✓		
11. Have all Soil VOA Vials and Encores been placed in a freezer within 48 hours of collection?			✓
12. Were samples in direct contact with wet ice? If "No," check one: ☐ NO ICE ☐ BLUE ICE	✓		
13. Was the cooler temperature less than 6°C?	✓		
14. Where pH preservation is required, are sample pHs checked and any anomalies recorded by Sample control? Are all <2 or >10? Note: VOA samples are checked by laboratory analysts.	✓		
15. Was sufficient sample volume provided to perform all tests?	✓		
16. If for Bacteriological testing, were containers supplied by AEL? (See QA officer if answer is no)			✓
17. Were all sample containers provided by AEL? (Other than Bacteriological)	✓		
18. Were samples accepted into the laboratory?	✓		
19. When necessary to split samples into other bottles, is it noted in the comments?	✓		
20. Where Encores received and if so, how many?		✓	

Comments: (Note all sample(s) and container (s)" with a "No" checklist response in this comment section)

SL-SB-H-04 (7-24-24 1145) was not listed on COC 7-26

DCN: AD-D048
Eff date 2/3/10, Last rev 2/3/21

Advanced Environmental Laboratories, Inc
6681 Southpoint Pkwy Jacksonville, FL 32216
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

August 26, 2024

Rick Levin
Aerostar SES LLC (ASL)
3550 St Johns Bluff Road South
Jacksonville, FL 32224

RE: Workorder: J2410968 Bechara Lands/Rio Puerto Nuevo

Dear Rick Levin:

Enclosed are the analytical results for sample(s) received by the laboratory on Monday July 29, 2024. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christina M. Tompkins

Chris Tompkins, Project Manager
CTompkins@aellab.com

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
J2410968001	TMW-15	WA	DOD SW-846 8081B	07/26/2024 08:30	07/29/2024 10:00	23	NA
J2410968001	TMW-15	WA	DOD SW-846 8270D SIM	07/26/2024 08:30	07/29/2024 10:00	1	NA
J2410968001	TMW-15	WA	DoD SW-846 6020A	07/26/2024 08:30	07/29/2024 10:00	13	NA
J2410968001	TMW-15	WA	DoD SW-846 7470A	07/26/2024 08:30	07/29/2024 10:00	1	NA
J2410968001	TMW-15	WA	DoD SW-846 8082A	07/26/2024 08:30	07/29/2024 10:00	9	NA
J2410968001	TMW-15	WA	DoD SW-846 8141B	07/26/2024 08:30	07/29/2024 10:00	25	NA
J2410968001	TMW-15	WA	DoD SW-846 8260C	07/26/2024 08:30	07/29/2024 10:00	49	NA
J2410968002	TMW-19	WA	DOD SW-846 8081B	07/26/2024 09:30	07/29/2024 10:00	23	NA
J2410968002	TMW-19	WA	DOD SW-846 8270D SIM	07/26/2024 09:30	07/29/2024 10:00	1	NA
J2410968002	TMW-19	WA	DoD SW-846 6020A	07/26/2024 09:30	07/29/2024 10:00	13	NA
J2410968002	TMW-19	WA	DoD SW-846 7470A	07/26/2024 09:30	07/29/2024 10:00	1	NA
J2410968002	TMW-19	WA	DoD SW-846 8082A	07/26/2024 09:30	07/29/2024 10:00	9	NA
J2410968002	TMW-19	WA	DoD SW-846 8141B	07/26/2024 09:30	07/29/2024 10:00	25	NA
J2410968002	TMW-19	WA	DoD SW-846 8260C	07/26/2024 09:30	07/29/2024 10:00	49	NA
J2410968002	TMW-19	WA	DoD SW-846 8270D	07/26/2024 09:30	07/29/2024 10:00	65	NA
J2410968003	TMW-17	WA	DoD SW-846 6020A	07/26/2024 11:00	07/29/2024 10:00	13	NA
J2410968003	TMW-17	WA	DoD SW-846 7470A	07/26/2024 11:00	07/29/2024 10:00	1	NA
J2410968003	TMW-17	WA	DoD SW-846 8260C	07/26/2024 11:00	07/29/2024 10:00	49	NA
J2410968004	TMW-20	WA	DoD SW-846 6020A	07/26/2024 11:50	07/29/2024 10:00	13	NA
J2410968004	TMW-20	WA	DoD SW-846 7470A	07/26/2024 11:50	07/29/2024 10:00	1	NA
J2410968004	TMW-20	WA	DoD SW-846 8260C	07/26/2024 11:50	07/29/2024 10:00	49	NA
J2410968004	TMW-20	WA	DoD SW-846 8270D	07/26/2024 11:50	07/29/2024 10:00	65	NA
J2410968005	TMW-1	WA	DOD SW-846 8081B	07/26/2024 12:45	07/29/2024 10:00	23	NA
J2410968005	TMW-1	WA	DoD SW-846 6020A	07/26/2024 12:45	07/29/2024 10:00	13	NA
J2410968005	TMW-1	WA	DoD SW-846 7470A	07/26/2024 12:45	07/29/2024 10:00	1	NA
J2410968005	TMW-1	WA	DoD SW-846 8082A	07/26/2024 12:45	07/29/2024 10:00	9	NA
J2410968005	TMW-1	WA	DoD SW-846 8141B	07/26/2024 12:45	07/29/2024 10:00	25	NA
J2410968005	TMW-1	WA	DoD SW-846 8260C	07/26/2024 12:45	07/29/2024 10:00	49	NA
J2410968005	TMW-1	WA	DoD SW-846 8270D	07/26/2024 12:45	07/29/2024 10:00	65	NA

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Workorder Summary

Analysis Results Comments

J2410968005 (TMW-1) - 2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results Qualifiers

Parameter Qualifiers

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
Q	One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
J	The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Lab Qualifiers

J	DOH Certification #E82574 (FL NELAC) AEL-Jacksonville DOD-ELAP Certification #L23-514 (ISO/IEC 17025:2017) AEL-Jacksonville

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968001 **Date Collected:** 07/26/2024 08:30 **Matrix:** Water
Sample ID: TMW-15 **Date Received:** 07/29/2024 10:00

Parameter									
METALS (SW-846 3010A/DoD SW-846 6020A)									
Antimony	1.5J	ug/L	1.0	2.0	4.0	1	08/05/2024 06:55	08/06/2024 12:38	J
Barium	**690**	ug/L	5.0	10	20	10	08/05/2024 06:55	08/06/2024 12:27	J
Cadmium	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 06:55	08/05/2024 21:24	J
Copper	**39**	ug/L	1.0	2.0	4.0	1	08/05/2024 06:55	08/06/2024 12:38	J
Nickel	**13**	ug/L	1.2	2.5	5.0	1	08/05/2024 06:55	08/05/2024 21:24	J
Silver	1.0U	ug/L	0.50	1.0	2.0	1	08/05/2024 06:55	08/05/2024 21:24	J
Zinc	**81**	ug/L	6.0	12	24	1	08/05/2024 06:55	08/06/2024 12:38	J
METALS (SW-846 7470A/DoD SW-846 7470A)									
Mercury	0.019J	ug/L	0.011	0.040	0.10	1	08/06/2024 08:42	08/06/2024 12:37	J
SEMIVOLATILES (SW-846 3510C/DOD SW-846 8081B)									
4,4`-DDD	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:02	J
4,4`-DDE	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:02	J
4,4`-DDT	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:02	J
Aldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	07/30/2024 09:00	08/01/2024 22:02	J
Chlordane (technical)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/01/2024 22:02	J
Dieldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	07/30/2024 09:00	08/01/2024 22:02	J
Endosulfan I	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:02	J
Endosulfan II	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:02	J
Endosulfan Sulfate	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:02	J
Endrin	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:02	J
Endrin Aldehyde	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:02	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968001 **Date Collected:** 07/26/2024 08:30 **Matrix:** Water
Sample ID: TMW-15 **Date Received:** 07/29/2024 10:00

Parameter									
Heptachlor	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:02	J
Hexachlorobenzene	0.020U	ug/L	0.0080	0.020	0.040	1	07/30/2024 09:00	08/01/2024 22:02	J
Toxaphene	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/01/2024 22:02	J
alpha-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:02	J
delta-BHC	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:02	J
gamma-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:02	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.25U	ug/L	0.12	0.25					
Aroclor 1221 (PCB-1221)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:49	J
Aroclor 1232 (PCB-1232)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:49	J
Aroclor 1242 (PCB-1242)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:49	J
Aroclor 1248 (PCB-1248)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:49	J
Aroclor 1254 (PCB-1254)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:49	J
Aroclor 1260 (PCB-1260)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:49	J
Aroclor 1262 (PCB-1262)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:49	J
Aroclor 1268 (PCB-1268)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 02:49	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8141B)									
Atrazine	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:00	J
Azinphos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:00	J
Chlorpyrifos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:00	J
Chlorpyrifos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:00	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968001 **Date Collected:** 07/26/2024 08:30 **Matrix:** Water
Sample ID: TMW-15 **Date Received:** 07/29/2024 10:00

Parameter									
Demeton	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:00	J
Demeton-S	0.10U	ug/L	0.050	0.10	0.20	1	07/30/2024 09:00	08/02/2024 05:00	J
Dimethoate	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:00	J
Ethion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:00	J
Famphur	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:00	J
Fonophos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:00	J
Merphos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:00	J
Mevinphos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:00	J
Phorate	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:00	J
Ronnel	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:00	J
Sulfotep	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:00	J
VOLATILES (SW-846 3510C/DOD SW-846 8270D SIM)									
1,4-Dioxane	0.49U	ug/L	0.25	0.49	0.99	1	07/31/2024 10:00	08/21/2024 01:12	J
VOLATILES (SW-846 5030B/DoD SW-846 8260C)									
1,1,1-Trichloroethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
1,1,2,2-Tetrachloroethane	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 11:09	08/01/2024 18:52	J
1,1,2-Trichloroethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 18:52	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968001 **Date Collected:** 07/26/2024 08:30 **Matrix:** Water
Sample ID: TMW-15 **Date Received:** 07/29/2024 10:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
1,1,2-Trichlorotrifluoroethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
1,1-Dichloroethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 18:52	J
1,1-Dichloroethylene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
1,2,4-Trichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
1,2-Dibromo-3-Chloropropane	12U	ug/L	6.2	12	25	5	08/01/2024 11:09	08/01/2024 18:52	J
1,2-Dichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
1,2-Dichloroethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 18:52	J
1,2-Dichloropropane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 18:52	J
1,3-Dichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
1,4-Dichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
1,4-Dioxane	12U	ug/L	6.2	12	25	5	08/01/2024 11:09	08/01/2024 18:52	J
2-Butanone (MEK)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 18:52	J
2-Hexanone	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
Acetone	**65**	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
Benzene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 18:52	J
Bromodichloromethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 18:52	J
Bromoform	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 18:52	J
Bromomethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
Carbon Disulfide	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
Carbon Tetrachloride	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 18:52	J
Chlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
Chloroethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
Chloroform	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
Chloromethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 18:52	J
Cyclohexane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
Dibromochloromethane	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 11:09	08/01/2024 18:52	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968001 **Date Collected:** 07/26/2024 08:30 **Matrix:** Water
Sample ID: TMW-15 **Date Received:** 07/29/2024 10:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Dichlorodifluoromethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
Ethylbenzene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 18:52	J
Ethylene Dibromide (EDB)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 18:52	J
Isopropylbenzene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 18:52	J
Methyl Acetate	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
Methyl Cyclohexane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
Methyl tert-butyl Ether (MTBE)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 18:52	J
Methylene Chloride	12U	ug/L	6.2	12	25	5	08/01/2024 11:09	08/01/2024 18:52	J
Styrene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
Tetrachloroethylene (PCE)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 18:52	J
Toluene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 18:52	J
Trichloroethene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 18:52	J
Trichlorofluoromethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
Vinyl Chloride	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 18:52	J
Xylene (Total)	7.5U	ug/L	3.8	7.5	15	5	08/01/2024 11:09	08/01/2024 18:52	J
cis-1,2-Dichloroethylene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
cis-1,3-Dichloropropene	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 11:09	08/01/2024 18:52	J
trans-1,2-Dichloroethylene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 18:52	J
trans-1,3-Dichloropropylene	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 11:09	08/01/2024 18:52	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Analysis Results Comments

Acetone

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Atrazine

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

alpha-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	250	280	112	81 - 118	J
Toluene-d8 (S)	ug/L	250	243	97	89 - 112	J
Bromofluorobenzene (S)	ug/L	250	265	106	85 - 114	J
Nitrobenzene-d5 (S)	ug/L	11.10	6.33	57	55 - 111	J
Decachlorobiphenyl (S)	ug/L	0.50	0.3230	65	44 - 136	J
Tetrachloro-m-xylene (S)	ug/L	1	0.9470	95	61 - 119	J
Decachlorobiphenyl (S)	ug/L	0.50	0.3130	63	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	1.08	108	44 - 124	J
Tributylphosphate (S)	ug/L	1	0.8060	81	48.50 - 121	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968002 **Date Collected:** 07/26/2024 09:30 **Matrix:** Water
Sample ID: TMW-19 **Date Received:** 07/29/2024 10:00

Parameter									
METALS (SW-846 3010A/DoD SW-846 6020A)									
Antimony	2.0U	ug/L	1.0	2.0	4.0	1	08/05/2024 06:55	08/06/2024 12:49	J
Barium	**200**	ug/L	2.5	5.0	10	5	08/05/2024 06:55	08/06/2024 12:44	J
Cadmium	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 06:55	08/05/2024 21:30	J
Copper	**5.9**	ug/L	1.0	2.0	4.0	1	08/05/2024 06:55	08/06/2024 12:49	J
Nickel	1.9J	ug/L	1.2	2.5	5.0	1	08/05/2024 06:55	08/05/2024 21:30	J
Silver	1.0U	ug/L	0.50	1.0	2.0	1	08/05/2024 06:55	08/05/2024 21:30	J
Zinc	**29**	ug/L	6.0	12	24	1	08/05/2024 06:55	08/06/2024 12:49	J
METALS (SW-846 7470A/DoD SW-846 7470A)									
Mercury	0.046J	ug/L	0.011	0.040	0.10	1	08/06/2024 08:42	08/06/2024 12:40	J
SEMIVOLATILES (SW-846 3510C/DOD SW-846 8081B)									
4,4`-DDD	0.10U	ug/L	0.050	0.10	0.20	10	07/30/2024 09:00	08/01/2024 22:22	J
4,4`-DDE	0.10U	ug/L	0.050	0.10	0.20	10	07/30/2024 09:00	08/01/2024 22:22	J
4,4`-DDT	0.10U	ug/L	0.050	0.10	0.20	10	07/30/2024 09:00	08/01/2024 22:22	J
Aldrin	0.050U	ug/L	0.019	0.050	0.20	10	07/30/2024 09:00	08/01/2024 22:22	J
Chlordane (technical)	2.5U	ug/L	1.2	2.5	5.0	10	07/30/2024 09:00	08/01/2024 22:22	J
Dieldrin	0.050U	ug/L	0.019	0.050	0.20	10	07/30/2024 09:00	08/01/2024 22:22	J
Endosulfan I	0.10U	ug/L	0.050	0.10	0.20	10	07/30/2024 09:00	08/01/2024 22:22	J
Endosulfan II	0.10U	ug/L	0.050	0.10	0.20	10	07/30/2024 09:00	08/01/2024 22:22	J
Endosulfan Sulfate	0.10U	ug/L	0.050	0.10	0.20	10	07/30/2024 09:00	08/01/2024 22:22	J
Endrin	0.10U	ug/L	0.050	0.10	0.20	10	07/30/2024 09:00	08/01/2024 22:22	J
Endrin Aldehyde	0.10U	ug/L	0.050	0.10	0.20	10	07/30/2024 09:00	08/01/2024 22:22	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968002 **Date Collected:** 07/26/2024 09:30 **Matrix:** Water
Sample ID: TMW-19 **Date Received:** 07/29/2024 10:00

Parameter									
Heptachlor	0.10U	ug/L	0.050	0.10	0.20	10	07/30/2024 09:00	08/01/2024 22:22	J
Hexachlorobenzene	0.20U	ug/L	0.080	0.20	0.40	10	07/30/2024 09:00	08/01/2024 22:22	J
Toxaphene	2.5U	ug/L	1.2	2.5	5.0	10	07/30/2024 09:00	08/01/2024 22:22	J
alpha-Chlordane	0.10U	ug/L	0.050	0.10	0.20	10	07/30/2024 09:00	08/01/2024 22:22	J
delta-BHC	0.10U	ug/L	0.050	0.10	0.20	10	07/30/2024 09:00	08/01/2024 22:22	J
gamma-Chlordane	0.10U	ug/L	0.050	0.10	0.20	10	07/30/2024 09:00	08/01/2024 22:22	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	2.5U	ug/L	1.2	2.5					
Aroclor 1221 (PCB-1221)	2.5U	ug/L	1.2	2.5	5.0	10	07/30/2024 09:00	08/02/2024 03:09	J
Aroclor 1232 (PCB-1232)	2.5U	ug/L	1.2	2.5	5.0	10	07/30/2024 09:00	08/02/2024 03:09	J
Aroclor 1242 (PCB-1242)	2.5U	ug/L	1.2	2.5	5.0	10	07/30/2024 09:00	08/02/2024 03:09	J
Aroclor 1248 (PCB-1248)	2.5U	ug/L	1.2	2.5	5.0	10	07/30/2024 09:00	08/02/2024 03:09	J
Aroclor 1254 (PCB-1254)	2.5U	ug/L	1.2	2.5	5.0	10	07/30/2024 09:00	08/02/2024 03:09	J
Aroclor 1260 (PCB-1260)	2.5U	ug/L	1.2	2.5	5.0	10	07/30/2024 09:00	08/02/2024 03:09	J
Aroclor 1262 (PCB-1262)	2.5U	ug/L	1.2	2.5	5.0	10	07/30/2024 09:00	08/02/2024 03:09	J
Aroclor 1268 (PCB-1268)	2.5U	ug/L	1.2	2.5	5.0	10	07/30/2024 09:00	08/02/2024 03:09	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8141B)									
Atrazine	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J
Azinphos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J
Chlorpyrifos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J
Chlorpyrifos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968002 **Date Collected:** 07/26/2024 09:30 **Matrix:** Water
Sample ID: TMW-19 **Date Received:** 07/29/2024 10:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J
Demeton-O	0.10U	ug/L	0.050	0.10	0.20	1	07/30/2024 09:00	08/02/2024 05:30	J
Demeton-S	0.10U	ug/L	0.050	0.10	0.20	1	07/30/2024 09:00	08/02/2024 05:30	J
Diazinon	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J
Dimethoate	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J
Disulfoton	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J
Ethion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J
Ethoprop	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J
Famphur	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J
Fensulfothion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J
Fonophos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J
Malathion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J
Merphos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J
Methyl Parathion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J
Mevinphos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J
Parathion (Ethyl)	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J
Phorate	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J
Phosmet	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J
Ronnel	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J
Simazine	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J
Sulfotep	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 05:30	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
2,4,6-Trichlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
2,4-Dichlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
2,4-Dimethylphenol	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 20:49	J
2,4-Dinitrophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968002 **Date Collected:** 07/26/2024 09:30 **Matrix:** Water
Sample ID: TMW-19 **Date Received:** 07/29/2024 10:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 20:49	J
2,6-Dinitrotoluene (2,6-DNT)	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 20:49	J
2-Chloronaphthalene	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
2-Chlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
2-Methyl-4,6-dinitrophenol	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 20:49	J
2-Methylnaphthalene	0.22U	ug/L	0.11	0.22	0.44	1	08/01/2024 07:00	08/01/2024 20:49	J
2-Methylphenol (o-Cresol)	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
2-Nitroaniline	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
2-Nitrophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
3+4-Methylphenol(mp-Cresol)	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 20:49	J
3,3`-Dichlorobenzidine	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 20:49	J
3-Nitroaniline	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
4-Bromophenyl Phenyl Ether	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
4-Chloro-3-methylphenol	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
4-Chloroaniline	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
4-Chlorophenyl Phenyl Ether	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 20:49	J
4-Nitroaniline	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
4-Nitrophenol	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 20:49	J
Acenaphthene	0.22U	ug/L	0.11	0.22	0.44	1	08/01/2024 07:00	08/01/2024 20:49	J
Acenaphthylene	0.22U	ug/L	0.11	0.22	0.44	1	08/01/2024 07:00	08/01/2024 20:49	J
Acetophenone	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
Anthracene	0.22U	ug/L	0.11	0.22	0.44	1	08/01/2024 07:00	08/01/2024 20:49	J
Atrazine	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 20:49	J
Benzaldehyde	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 20:49	J
Benzo[a]anthracene	0.11U	ug/L	0.055	0.11	0.44	1	08/01/2024 07:00	08/01/2024 20:49	J
Benzo[a]pyrene	0.22U	ug/L	0.11	0.22	0.44	1	08/01/2024 07:00	08/01/2024 20:49	J
Benzo[b]fluoranthene	0.11U	ug/L	0.055	0.11	0.44	1	08/01/2024 07:00	08/01/2024 20:49	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968002 **Date Collected:** 07/26/2024 09:30 **Matrix:** Water
Sample ID: TMW-19 **Date Received:** 07/29/2024 10:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.22U	ug/L	0.11	0.22	0.44	1	08/01/2024 07:00	08/01/2024 20:49	J
Benzo[k]fluoranthene	0.22U	ug/L	0.11	0.22	0.44	1	08/01/2024 07:00	08/01/2024 20:49	J
Biphenyl	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 20:49	J
Butyl benzyl phthalate	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 20:49	J
Caprolactam	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 20:49	J
Carbazole	0.22U	ug/L	0.11	0.22	0.44	1	08/01/2024 07:00	08/01/2024 20:49	J
Chrysene	0.22U	ug/L	0.11	0.22	0.44	1	08/01/2024 07:00	08/01/2024 20:49	J
Di-n-Butyl Phthalate	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 20:49	J
Di-n-octyl Phthalate	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 20:49	J
Dibenzo[a,h]anthracene	0.22U	ug/L	0.11	0.22	0.44	1	08/01/2024 07:00	08/01/2024 20:49	J
Dibenzofuran	0.22U	ug/L	0.11	0.22	0.44	1	08/01/2024 07:00	08/01/2024 20:49	J
Diethyl phthalate	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
Dimethyl phthalate	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
Fluoranthene	0.22U	ug/L	0.11	0.22	0.44	1	08/01/2024 07:00	08/01/2024 20:49	J
Fluorene	0.22U	ug/L	0.11	0.22	0.44	1	08/01/2024 07:00	08/01/2024 20:49	J
Hexachlorobenzene	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
Hexachlorobutadiene	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
Hexachlorocyclopentadiene	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 20:49	J
Hexachloroethane	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
Indeno(1,2,3-cd)pyrene	0.11U	ug/L	0.055	0.11	0.44	1	08/01/2024 07:00	08/01/2024 20:49	J
Isophorone	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
N-Nitrosodi-n-propylamine	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 20:49	J
N-Nitrosodiphenylamine	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 20:49	J
Naphthalene	0.22U	ug/L	0.11	0.22	0.44	1	08/01/2024 07:00	08/01/2024 20:49	J
Nitrobenzene	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
Pentachlorophenol	2.1U	ug/L	1.1	2.1	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
Phenanthrene	0.22U	ug/L	0.11	0.22	0.44	1	08/01/2024 07:00	08/01/2024 20:49	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968002 **Date Collected:** 07/26/2024 09:30 **Matrix:** Water
Sample ID: TMW-19 **Date Received:** 07/29/2024 10:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Phenol	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
Pyrene	0.22U	ug/L	0.11	0.22	0.44	1	08/01/2024 07:00	08/01/2024 20:49	J
bis(2-Chloroethoxy)methane	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
bis(2-Chloroethyl)Ether	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
bis(2-Chloroisopropyl) Ether	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 20:49	J
bis(2-Ethylhexyl) phthalate	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 20:49	J
VOLATILES (SW-846 3510C/DOD SW-846 8270D SIM)									
1,4-Dioxane	0.47U	ug/L	0.24	0.47	0.95	1	07/31/2024 10:00	08/21/2024 00:47	J
VOLATILES (SW-846 5030B/DoD SW-846 8260C)									
1,1,1-Trichloroethane	1.0U	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J
1,1,2,2-Tetrachloroethane	0.40U	ug/L	0.20	0.40	1.0	1	08/01/2024 11:09	08/01/2024 19:16	J
1,1,2-Trichloroethane	0.50U	ug/L	0.25	0.50	1.0	1	08/01/2024 11:09	08/01/2024 19:16	J
1,1,2-Trichlorotrifluoroethane	1.0U	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J
1,1-Dichloroethane	0.50U	ug/L	0.25	0.50	1.0	1	08/01/2024 11:09	08/01/2024 19:16	J
1,1-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J
1,2,4-Trichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J
1,2-Dibromo-3-Chloropropane	2.5U	ug/L	1.2	2.5	5.0	1	08/01/2024 11:09	08/01/2024 19:16	J
1,2-Dichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J
1,2-Dichloroethane	0.50U	ug/L	0.25	0.50	1.0	1	08/01/2024 11:09	08/01/2024 19:16	J
1,2-Dichloropropane	0.50U	ug/L	0.25	0.50	1.0	1	08/01/2024 11:09	08/01/2024 19:16	J
1,3-Dichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J
1,4-Dichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J
1,4-Dioxane	2.5U	ug/L	1.2	2.5	5.0	1	08/01/2024 11:09	08/01/2024 19:16	J
2-Butanone (MEK)	0.50U	ug/L	0.25	0.50	1.0	1	08/01/2024 11:09	08/01/2024 19:16	J
2-Hexanone	1.0U	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J
4-Methyl-2-pentanone (MIBK)	1.0U	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Acetone	**3.1**	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968002 **Date Collected:** 07/26/2024 09:30 **Matrix:** Water
Sample ID: TMW-19 **Date Received:** 07/29/2024 10:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	0.50U	ug/L	0.25	0.50	1.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Bromodichloromethane	0.50U	ug/L	0.25	0.50	1.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Bromoform	0.50U	ug/L	0.25	0.50	1.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Bromomethane	1.0U	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Carbon Disulfide	1.0U	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Carbon Tetrachloride	0.50U	ug/L	0.25	0.50	1.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Chlorobenzene	1.0U	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Chloroethane	1.0U	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Chloroform	1.0U	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Chloromethane	0.50U	ug/L	0.25	0.50	1.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Cyclohexane	1.0U	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Dibromochloromethane	0.40U	ug/L	0.20	0.40	1.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Dichlorodifluoromethane	1.0U	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Ethylbenzene	0.50U	ug/L	0.25	0.50	1.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Ethylene Dibromide (EDB)	0.50U	ug/L	0.25	0.50	1.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Isopropylbenzene	0.50U	ug/L	0.25	0.50	1.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Methyl Acetate	1.0U	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Methyl Cyclohexane	1.0U	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Methyl tert-butyl Ether (MTBE)	0.50U	ug/L	0.25	0.50	1.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Methylene Chloride	2.5U	ug/L	1.2	2.5	5.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Styrene	1.0U	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Tetrachloroethylene (PCE)	0.50U	ug/L	0.25	0.50	1.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Toluene	0.50U	ug/L	0.25	0.50	1.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Trichloroethene	0.50U	ug/L	0.25	0.50	1.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Trichlorofluoromethane	1.0U	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Vinyl Chloride	0.50U	ug/L	0.25	0.50	1.0	1	08/01/2024 11:09	08/01/2024 19:16	J
Xylene (Total)	1.5U	ug/L	0.75	1.5	3.0	1	08/01/2024 11:09	08/01/2024 19:16	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968002 **Date Collected:** 07/26/2024 09:30 **Matrix:** Water
Sample ID: TMW-19 **Date Received:** 07/29/2024 10:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J
cis-1,3-Dichloropropene	0.40U	ug/L	0.20	0.40	1.0	1	08/01/2024 11:09	08/01/2024 19:16	J
trans-1,2-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	1	08/01/2024 11:09	08/01/2024 19:16	J
trans-1,3-Dichloropropylene	0.40U	ug/L	0.20	0.40	1.0	1	08/01/2024 11:09	08/01/2024 19:16	J

Analysis Results Comments

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Atrazine

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

alpha-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	56.50	113	81 - 118	J
Toluene-d8 (S)	ug/L	50	49.90	100	89 - 112	J
Bromofluorobenzene (S)	ug/L	50	53.20	106	85 - 114	J
Nitrobenzene-d5 (S)	ug/L	10.90	7.02	65	55 - 111	J
Decachlorobiphenyl (S)	ug/L	0.50	0.3560	71	44 - 136	J
Tetrachloro-m-xylene (S)	ug/L	1	1.31	**131**	61 - 119	J
2,4,6-Tribromophenol (S)	ug/L	55.60	38.40	69	43 - 140	J
Phenol-d6 (S)	ug/L	55.60	12.70	23	21 - 132	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	ug/L	55.60	37.80	68	44 - 119	J
2-Fluorophenol (S)	ug/L	55.60	19.50	35	19 - 119	J
Nitrobenzene-d5 (S)	ug/L	55.60	36.80	66	44 - 120	J
2-Methylnaphthalene-d10 (S)	ug/L	55.60	38.10	69	41 - 131	J
p-Terphenyl-d14 (S)	ug/L	55.60	42.20	76	50 - 134	J
Fluoranthene-d10 (S)	ug/L	55.60	48.10	87	49 - 126	J
Decachlorobiphenyl (S)	ug/L	0.50	0.3560	71	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	1.32	**132**	44 - 124	J
Tributylphosphate (S)	ug/L	1	0.9020	90	48.50 - 121	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968003 **Date Collected:** 07/26/2024 11:00 **Matrix:** Water
Sample ID: TMW-17 **Date Received:** 07/29/2024 10:00

Parameter									
METALS (SW-846 3010A/DoD SW-846 6020A)									
Antimony	1.3J	ug/L	1.0	2.0	4.0	1	08/05/2024 06:55	08/06/2024 13:07	J
Barium	**4500**	ug/L	25	50	100	50	08/05/2024 06:55	08/06/2024 12:55	J
Cadmium	0.92J	ug/L	0.25	0.50	1.0	1	08/05/2024 06:55	08/05/2024 21:36	J
Copper	**95**	ug/L	1.0	2.0	4.0	1	08/05/2024 06:55	08/06/2024 13:07	J
Nickel	**28**	ug/L	1.2	2.5	5.0	1	08/05/2024 06:55	08/05/2024 21:36	J
Silver	1.0U	ug/L	0.50	1.0	2.0	1	08/05/2024 06:55	08/05/2024 21:36	J
Zinc	**200**	ug/L	6.0	12	24	1	08/05/2024 06:55	08/06/2024 13:07	J
METALS (SW-846 7470A/DoD SW-846 7470A)									
Mercury	0.074J	ug/L	0.011	0.040	0.10	1	08/06/2024 08:42	08/06/2024 12:49	J
VOLATILES (SW-846 5030B/DoD SW-846 8260C)									
1,1,1-Trichloroethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
1,1,2,2-Tetrachloroethane	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 11:09	08/01/2024 19:41	J
1,1,2-Trichloroethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 19:41	J
1,1,2-Trichlorotrifluoroethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
1,1-Dichloroethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 19:41	J
1,1-Dichloroethylene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
1,2,4-Trichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
1,2-Dibromo-3-Chloropropane	12U	ug/L	6.2	12	25	5	08/01/2024 11:09	08/01/2024 19:41	J
1,2-Dichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
1,2-Dichloroethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 19:41	J
1,2-Dichloropropane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 19:41	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968003 **Date Collected:** 07/26/2024 11:00 **Matrix:** Water
Sample ID: TMW-17 **Date Received:** 07/29/2024 10:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
1,3-Dichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
1,4-Dichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
1,4-Dioxane	12U	ug/L	6.2	12	25	5	08/01/2024 11:09	08/01/2024 19:41	J
2-Butanone (MEK)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 19:41	J
2-Hexanone	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
Acetone	**160**	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
Benzene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 19:41	J
Bromodichloromethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 19:41	J
Bromoform	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 19:41	J
Bromomethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
Carbon Disulfide	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
Carbon Tetrachloride	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 19:41	J
Chlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
Chloroethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
Chloroform	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
Chloromethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 19:41	J
Cyclohexane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
Dibromochloromethane	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 11:09	08/01/2024 19:41	J
Dichlorodifluoromethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
Ethylbenzene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 19:41	J
Ethylene Dibromide (EDB)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 19:41	J
Isopropylbenzene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 19:41	J
Methyl Acetate	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
Methyl Cyclohexane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
Methyl tert-butyl Ether (MTBE)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 19:41	J
Methylene Chloride	12U	ug/L	6.2	12	25	5	08/01/2024 11:09	08/01/2024 19:41	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968003 **Date Collected:** 07/26/2024 11:00 **Matrix:** Water
Sample ID: TMW-17 **Date Received:** 07/29/2024 10:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Styrene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
Tetrachloroethylene (PCE)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 19:41	J
Toluene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 19:41	J
Trichloroethene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 19:41	J
Trichlorofluoromethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
Vinyl Chloride	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 19:41	J
Xylene (Total)	7.5U	ug/L	3.8	7.5	15	5	08/01/2024 11:09	08/01/2024 19:41	J
cis-1,2-Dichloroethylene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
cis-1,3-Dichloropropene	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 11:09	08/01/2024 19:41	J
trans-1,2-Dichloroethylene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 19:41	J
trans-1,3-Dichloropropylene	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 11:09	08/01/2024 19:41	J

Analysis Results Comments

Acetone

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	250	288	115	81 - 118	J
Toluene-d8 (S)	ug/L	250	243	97	89 - 112	J
Bromofluorobenzene (S)	ug/L	250	270	108	85 - 114	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968004 **Date Collected:** 07/26/2024 11:50 **Matrix:** Water
Sample ID: TMW-20 **Date Received:** 07/29/2024 10:00

Parameter									
METALS (SW-846 3010A/DoD SW-846 6020A)									
Antimony	10U	ug/L	5.0	10	20	5	08/05/2024 06:55	08/06/2024 13:29	J
Barium	**210**	ug/L	2.5	5.0	10	5	08/05/2024 06:55	08/06/2024 13:29	J
Cadmium	2.5U	ug/L	1.2	2.5	5.0	5	08/05/2024 06:55	08/06/2024 13:29	J
Copper	**43**	ug/L	5.0	10	20	5	08/05/2024 06:55	08/06/2024 13:29	J
Nickel	**55**	ug/L	6.2	12	25	5	08/05/2024 06:55	08/06/2024 13:29	J
Silver	5.0U	ug/L	2.5	5.0	10	5	08/05/2024 06:55	08/06/2024 13:29	J
Zinc	**150**	ug/L	30	60	120	5	08/05/2024 06:55	08/06/2024 13:29	J
METALS (SW-846 7470A/DoD SW-846 7470A)									
Mercury	0.030J	ug/L	0.011	0.040	0.10	1	08/06/2024 08:42	08/06/2024 12:52	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
2,4,6-Trichlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
2,4-Dichlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
2,4-Dimethylphenol	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 15:21	J
2,4-Dinitrophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
2,4-Dinitrotoluene (2,4-DNT)	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 15:21	J
2,6-Dinitrotoluene (2,6-DNT)	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 15:21	J
2-Chloronaphthalene	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
2-Chlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
2-Methyl-4,6-dinitrophenol	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 15:21	J
2-Methylnaphthalene	0.22U	ug/L	0.11	0.22	0.45	1	08/01/2024 07:00	08/01/2024 15:21	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968004 **Date Collected:** 07/26/2024 11:50 **Matrix:** Water
Sample ID: TMW-20 **Date Received:** 07/29/2024 10:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2-Methylphenol (o-Cresol)	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
2-Nitroaniline	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
2-Nitrophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
3+4-Methylphenol(mp-Cresol)	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 15:21	J
3,3`-Dichlorobenzidine	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 15:21	J
3-Nitroaniline	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
4-Bromophenyl Phenyl Ether	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
4-Chloro-3-methylphenol	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
4-Chloroaniline	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
4-Chlorophenyl Phenyl Ether	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 15:21	J
4-Nitroaniline	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
4-Nitrophenol	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 15:21	J
Acenaphthene	0.22U	ug/L	0.11	0.22	0.45	1	08/01/2024 07:00	08/01/2024 15:21	J
Acenaphthylene	0.22U	ug/L	0.11	0.22	0.45	1	08/01/2024 07:00	08/01/2024 15:21	J
Acetophenone	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
Anthracene	0.22U	ug/L	0.11	0.22	0.45	1	08/01/2024 07:00	08/01/2024 15:21	J
Atrazine	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 15:21	J
Benzaldehyde	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 15:21	J
Benzo[a]anthracene	0.11U	ug/L	0.056	0.11	0.45	1	08/01/2024 07:00	08/01/2024 15:21	J
Benzo[a]pyrene	0.22U	ug/L	0.11	0.22	0.45	1	08/01/2024 07:00	08/01/2024 15:21	J
Benzo[b]fluoranthene	0.11U	ug/L	0.056	0.11	0.45	1	08/01/2024 07:00	08/01/2024 15:21	J
Benzo[g,h,i]perylene	0.22U	ug/L	0.11	0.22	0.45	1	08/01/2024 07:00	08/01/2024 15:21	J
Benzo[k]fluoranthene	0.22U	ug/L	0.11	0.22	0.45	1	08/01/2024 07:00	08/01/2024 15:21	J
Biphenyl	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 15:21	J
Butyl benzyl phthalate	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 15:21	J
Caprolactam	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 15:21	J
Carbazole	0.22U	ug/L	0.11	0.22	0.45	1	08/01/2024 07:00	08/01/2024 15:21	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968004 **Date Collected:** 07/26/2024 11:50 **Matrix:** Water
Sample ID: TMW-20 **Date Received:** 07/29/2024 10:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Chrysene	0.22U	ug/L	0.11	0.22	0.45	1	08/01/2024 07:00	08/01/2024 15:21	J
Di-n-Butyl Phthalate	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 15:21	J
Di-n-octyl Phthalate	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 15:21	J
Dibenzo[a,h]anthracene	0.22U	ug/L	0.11	0.22	0.45	1	08/01/2024 07:00	08/01/2024 15:21	J
Dibenzofuran	0.22U	ug/L	0.11	0.22	0.45	1	08/01/2024 07:00	08/01/2024 15:21	J
Diethyl phthalate	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
Dimethyl phthalate	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
Fluoranthene	0.22U	ug/L	0.11	0.22	0.45	1	08/01/2024 07:00	08/01/2024 15:21	J
Fluorene	0.22U	ug/L	0.11	0.22	0.45	1	08/01/2024 07:00	08/01/2024 15:21	J
Hexachlorobenzene	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
Hexachlorobutadiene	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
Hexachlorocyclopentadiene	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 15:21	J
Hexachloroethane	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
Indeno(1,2,3-cd)pyrene	0.11U	ug/L	0.056	0.11	0.45	1	08/01/2024 07:00	08/01/2024 15:21	J
Isophorone	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
N-Nitrosodi-n-propylamine	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 15:21	J
N-Nitrosodiphenylamine	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 15:21	J
Naphthalene	0.22U	ug/L	0.11	0.22	0.45	1	08/01/2024 07:00	08/01/2024 15:21	J
Nitrobenzene	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
Pentachlorophenol	2.1U	ug/L	1.1	2.1	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
Phenanthrene	0.22U	ug/L	0.11	0.22	0.45	1	08/01/2024 07:00	08/01/2024 15:21	J
Phenol	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
Pyrene	0.22U	ug/L	0.11	0.22	0.45	1	08/01/2024 07:00	08/01/2024 15:21	J
bis(2-Chloroethoxy)methane	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
bis(2-Chloroethyl)Ether	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
bis(2-Chloroisopropyl) Ether	2.8U	ug/L	1.4	2.8	5.6	1	08/01/2024 07:00	08/01/2024 15:21	J
bis(2-Ethylhexyl) phthalate	5.6U	ug/L	2.8	5.6	11	1	08/01/2024 07:00	08/01/2024 15:21	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968004 **Date Collected:** 07/26/2024 11:50 **Matrix:** Water
Sample ID: TMW-20 **Date Received:** 07/29/2024 10:00

Parameter									
VOLATILES (SW-846 5030B/DoD SW-846 8260C)									
1,1,1-Trichloroethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J
1,1,2,2-Tetrachloroethane	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 11:09	08/01/2024 20:05	J
1,1,2-Trichloroethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:05	J
1,1,2-Trichlorotrifluoroethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J
1,1-Dichloroethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:05	J
1,1-Dichloroethylene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J
1,2,4-Trichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J
1,2-Dibromo-3-Chloropropane	12U	ug/L	6.2	12	25	5	08/01/2024 11:09	08/01/2024 20:05	J
1,2-Dichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J
1,2-Dichloroethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:05	J
1,2-Dichloropropane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:05	J
1,3-Dichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J
1,4-Dichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J
1,4-Dioxane	12U	ug/L	6.2	12	25	5	08/01/2024 11:09	08/01/2024 20:05	J
2-Butanone (MEK)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:05	J
2-Hexanone	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J
Acetone	**28**	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J
Benzene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:05	J
Bromodichloromethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:05	J
Bromoform	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:05	J
Bromomethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J
Carbon Disulfide	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J
Carbon Tetrachloride	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:05	J
Chlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J
Chloroethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968004 **Date Collected:** 07/26/2024 11:50 **Matrix:** Water
Sample ID: TMW-20 **Date Received:** 07/29/2024 10:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Chloroform	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J
Chloromethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:05	J
Cyclohexane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J
Dibromochloromethane	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 11:09	08/01/2024 20:05	J
Dichlorodifluoromethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J
Ethylbenzene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:05	J
Ethylene Dibromide (EDB)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:05	J
Isopropylbenzene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:05	J
Methyl Acetate	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J
Methyl Cyclohexane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J
Methyl tert-butyl Ether (MTBE)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:05	J
Methylene Chloride	12U	ug/L	6.2	12	25	5	08/01/2024 11:09	08/01/2024 20:05	J
Styrene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J
Tetrachloroethylene (PCE)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:05	J
Toluene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:05	J
Trichloroethene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:05	J
Trichlorofluoromethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J
Vinyl Chloride	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:05	J
Xylene (Total)	7.5U	ug/L	3.8	7.5	15	5	08/01/2024 11:09	08/01/2024 20:05	J
cis-1,2-Dichloroethylene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J
cis-1,3-Dichloropropene	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 11:09	08/01/2024 20:05	J
trans-1,2-Dichloroethylene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:05	J
trans-1,3-Dichloropropylene	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 11:09	08/01/2024 20:05	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Analysis Results Comments

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	250	294	117	81 - 118	J
Toluene-d8 (S)	ug/L	250	241	96	89 - 112	J
Bromofluorobenzene (S)	ug/L	250	264	106	85 - 114	J
2,4,6-Tribromophenol (S)	ug/L	56.20	38.50	68	43 - 140	J
Phenol-d6 (S)	ug/L	56.20	17	30	21 - 132	J
2-Fluorobiphenyl (S)	ug/L	56.20	38.60	69	44 - 119	J
2-Fluorophenol (S)	ug/L	56.20	21.20	38	19 - 119	J
Nitrobenzene-d5 (S)	ug/L	56.20	38.60	69	44 - 120	J
2-Methylnaphthalene-d10 (S)	ug/L	56.20	36.10	64	41 - 131	J
p-Terphenyl-d14 (S)	ug/L	56.20	43	77	50 - 134	J
Fluoranthene-d10 (S)	ug/L	56.20	44.60	79	49 - 126	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968005 **Date Collected:** 07/26/2024 12:45 **Matrix:** Water
Sample ID: TMW-1 **Date Received:** 07/29/2024 10:00

Parameter									
METALS (SW-846 3010A/DoD SW-846 6020A)									
Antimony	10U	ug/L	5.0	10	20	5	08/05/2024 06:55	08/06/2024 13:41	J
Barium	**260**	ug/L	2.5	5.0	10	5	08/05/2024 06:55	08/06/2024 13:41	J
Cadmium	2.5U	ug/L	1.2	2.5	5.0	5	08/05/2024 06:55	08/06/2024 13:41	J
Copper	**31**	ug/L	5.0	10	20	5	08/05/2024 06:55	08/06/2024 13:41	J
Nickel	**44**	ug/L	1.2	2.5	5.0	1	08/05/2024 06:55	08/05/2024 21:59	J
Silver	5.0U	ug/L	2.5	5.0	10	5	08/05/2024 06:55	08/06/2024 13:41	J
Zinc	72J	ug/L	30	60	120	5	08/05/2024 06:55	08/06/2024 13:41	J
METALS (SW-846 7470A/DoD SW-846 7470A)									
Mercury	0.015J	ug/L	0.011	0.040	0.10	1	08/06/2024 08:42	08/06/2024 12:55	J
SEMIVOLATILES (SW-846 3510C/DOD SW-846 8081B)									
4,4`-DDD	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:43	J
4,4`-DDE	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:43	J
4,4`-DDT	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:43	J
Aldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	07/30/2024 09:00	08/01/2024 22:43	J
Chlordane (technical)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/01/2024 22:43	J
Dieldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	07/30/2024 09:00	08/01/2024 22:43	J
Endosulfan I	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:43	J
Endosulfan II	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:43	J
Endosulfan Sulfate	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:43	J
Endrin	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:43	J
Endrin Aldehyde	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:43	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968005 **Date Collected:** 07/26/2024 12:45 **Matrix:** Water
Sample ID: TMW-1 **Date Received:** 07/29/2024 10:00

Parameter									
Heptachlor	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:43	J
Hexachlorobenzene	0.020U	ug/L	0.0080	0.020	0.040	1	07/30/2024 09:00	08/01/2024 22:43	J
Toxaphene	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/01/2024 22:43	J
alpha-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:43	J
delta-BHC	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:43	J
gamma-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	07/30/2024 09:00	08/01/2024 22:43	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.25U	ug/L	0.12	0.25					
Aroclor 1221 (PCB-1221)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 03:30	J
Aroclor 1232 (PCB-1232)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 03:30	J
Aroclor 1242 (PCB-1242)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 03:30	J
Aroclor 1248 (PCB-1248)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 03:30	J
Aroclor 1254 (PCB-1254)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 03:30	J
Aroclor 1260 (PCB-1260)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 03:30	J
Aroclor 1262 (PCB-1262)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 03:30	J
Aroclor 1268 (PCB-1268)	0.25U	ug/L	0.12	0.25	0.50	1	07/30/2024 09:00	08/02/2024 03:30	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8141B)									
Atrazine	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J
Azinphos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J
Chlorpyrifos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J
Chlorpyrifos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968005 **Date Collected:** 07/26/2024 12:45 **Matrix:** Water
Sample ID: TMW-1 **Date Received:** 07/29/2024 10:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J
Demeton-O	0.10U	ug/L	0.050	0.10	0.20	1	07/30/2024 09:00	08/02/2024 06:00	J
Demeton-S	0.10U	ug/L	0.050	0.10	0.20	1	07/30/2024 09:00	08/02/2024 06:00	J
Diazinon	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J
Dimethoate	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J
Disulfoton	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J
Ethion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J
Ethoprop	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J
Famphur	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J
Fensulfothion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J
Fonophos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J
Malathion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J
Merphos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J
Methyl Parathion	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J
Mevinphos	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J
Parathion (Ethyl)	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J
Phorate	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J
Phosmet	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J
Ronnel	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J
Simazine	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J
Sulfotep	0.20U	ug/L	0.10	0.20	0.40	1	07/30/2024 09:00	08/02/2024 06:00	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
2,4,6-Trichlorophenol	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
2,4-Dichlorophenol	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
2,4-Dimethylphenol	5.7U	ug/L	2.8	5.7	11	1	08/01/2024 07:00	08/01/2024 16:02	J
2,4-Dinitrophenol	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968005 **Date Collected:** 07/26/2024 12:45 **Matrix:** Water
Sample ID: TMW-1 **Date Received:** 07/29/2024 10:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	5.7U	ug/L	2.8	5.7	11	1	08/01/2024 07:00	08/01/2024 16:02	J
2,6-Dinitrotoluene (2,6-DNT)	5.7U	ug/L	2.8	5.7	11	1	08/01/2024 07:00	08/01/2024 16:02	J
2-Chloronaphthalene	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
2-Chlorophenol	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
2-Methyl-4,6-dinitrophenol	5.7U	ug/L	2.8	5.7	11	1	08/01/2024 07:00	08/01/2024 16:02	J
2-Methylnaphthalene	0.23U	ug/L	0.11	0.23	0.45	1	08/01/2024 07:00	08/01/2024 16:02	J
2-Methylphenol (o-Cresol)	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
2-Nitroaniline	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
2-Nitrophenol	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
3+4-Methylphenol(mp-Cresol)	5.7U	ug/L	2.8	5.7	11	1	08/01/2024 07:00	08/01/2024 16:02	J
3,3`-Dichlorobenzidine	5.7U	ug/L	2.8	5.7	11	1	08/01/2024 07:00	08/01/2024 16:02	J
3-Nitroaniline	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
4-Bromophenyl Phenyl Ether	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
4-Chloro-3-methylphenol	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
4-Chloroaniline	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
4-Chlorophenyl Phenyl Ether	5.7U	ug/L	2.8	5.7	11	1	08/01/2024 07:00	08/01/2024 16:02	J
4-Nitroaniline	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
4-Nitrophenol	5.7U	ug/L	2.8	5.7	11	1	08/01/2024 07:00	08/01/2024 16:02	J
Acenaphthene	0.23U	ug/L	0.11	0.23	0.45	1	08/01/2024 07:00	08/01/2024 16:02	J
Acenaphthylene	0.23U	ug/L	0.11	0.23	0.45	1	08/01/2024 07:00	08/01/2024 16:02	J
Acetophenone	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
Anthracene	0.23U	ug/L	0.11	0.23	0.45	1	08/01/2024 07:00	08/01/2024 16:02	J
Atrazine	5.7U	ug/L	2.8	5.7	11	1	08/01/2024 07:00	08/01/2024 16:02	J
Benzaldehyde	5.7U	ug/L	2.8	5.7	11	1	08/01/2024 07:00	08/01/2024 16:02	J
Benzo[a]anthracene	0.11U	ug/L	0.056	0.11	0.45	1	08/01/2024 07:00	08/01/2024 16:02	J
Benzo[a]pyrene	0.23U	ug/L	0.11	0.23	0.45	1	08/01/2024 07:00	08/01/2024 16:02	J
Benzo[b]fluoranthene	0.11U	ug/L	0.056	0.11	0.45	1	08/01/2024 07:00	08/01/2024 16:02	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968005 **Date Collected:** 07/26/2024 12:45 **Matrix:** Water
Sample ID: TMW-1 **Date Received:** 07/29/2024 10:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.23U	ug/L	0.11	0.23	0.45	1	08/01/2024 07:00	08/01/2024 16:02	J
Benzo[k]fluoranthene	0.23U	ug/L	0.11	0.23	0.45	1	08/01/2024 07:00	08/01/2024 16:02	J
Biphenyl	5.7U	ug/L	2.8	5.7	11	1	08/01/2024 07:00	08/01/2024 16:02	J
Butyl benzyl phthalate	5.7U	ug/L	2.8	5.7	11	1	08/01/2024 07:00	08/01/2024 16:02	J
Caprolactam	5.7U	ug/L	2.8	5.7	11	1	08/01/2024 07:00	08/01/2024 16:02	J
Carbazole	0.23U	ug/L	0.11	0.23	0.45	1	08/01/2024 07:00	08/01/2024 16:02	J
Chrysene	0.23U	ug/L	0.11	0.23	0.45	1	08/01/2024 07:00	08/01/2024 16:02	J
Di-n-Butyl Phthalate	5.7U	ug/L	2.8	5.7	11	1	08/01/2024 07:00	08/01/2024 16:02	J
Di-n-octyl Phthalate	5.7U	ug/L	2.8	5.7	11	1	08/01/2024 07:00	08/01/2024 16:02	J
Dibenzo[a,h]anthracene	0.23U	ug/L	0.11	0.23	0.45	1	08/01/2024 07:00	08/01/2024 16:02	J
Dibenzofuran	0.23U	ug/L	0.11	0.23	0.45	1	08/01/2024 07:00	08/01/2024 16:02	J
Diethyl phthalate	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
Dimethyl phthalate	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
Fluoranthene	0.23U	ug/L	0.11	0.23	0.45	1	08/01/2024 07:00	08/01/2024 16:02	J
Fluorene	0.23U	ug/L	0.11	0.23	0.45	1	08/01/2024 07:00	08/01/2024 16:02	J
Hexachlorobenzene	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
Hexachlorobutadiene	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
Hexachlorocyclopentadiene	5.7U	ug/L	2.8	5.7	11	1	08/01/2024 07:00	08/01/2024 16:02	J
Hexachloroethane	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
Indeno(1,2,3-cd)pyrene	0.11U	ug/L	0.056	0.11	0.45	1	08/01/2024 07:00	08/01/2024 16:02	J
Isophorone	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
N-Nitrosodi-n-propylamine	5.7U	ug/L	2.8	5.7	11	1	08/01/2024 07:00	08/01/2024 16:02	J
N-Nitrosodiphenylamine	5.7U	ug/L	2.8	5.7	11	1	08/01/2024 07:00	08/01/2024 16:02	J
Naphthalene	0.23U	ug/L	0.11	0.23	0.45	1	08/01/2024 07:00	08/01/2024 16:02	J
Nitrobenzene	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
Pentachlorophenol	2.2U	ug/L	1.1	2.2	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
Phenanthrene	0.23U	ug/L	0.11	0.23	0.45	1	08/01/2024 07:00	08/01/2024 16:02	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968005 **Date Collected:** 07/26/2024 12:45 **Matrix:** Water
Sample ID: TMW-1 **Date Received:** 07/29/2024 10:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Phenol	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
Pyrene	0.23U	ug/L	0.11	0.23	0.45	1	08/01/2024 07:00	08/01/2024 16:02	J
bis(2-Chloroethoxy)methane	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
bis(2-Chloroethyl)Ether	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
bis(2-Chloroisopropyl) Ether	2.8U	ug/L	1.4	2.8	5.7	1	08/01/2024 07:00	08/01/2024 16:02	J
bis(2-Ethylhexyl) phthalate	5.7U	ug/L	2.8	5.7	11	1	08/01/2024 07:00	08/01/2024 16:02	J
VOLATILES (SW-846 5030B/DoD SW-846 8260C)									
1,1,1-Trichloroethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
1,1,2,2-Tetrachloroethane	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 11:09	08/01/2024 20:30	J
1,1,2-Trichloroethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:30	J
1,1,2-Trichlorotrifluoroethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
1,1-Dichloroethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:30	J
1,1-Dichloroethylene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
1,2,4-Trichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
1,2-Dibromo-3-Chloropropane	12U	ug/L	6.2	12	25	5	08/01/2024 11:09	08/01/2024 20:30	J
1,2-Dichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
1,2-Dichloroethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:30	J
1,2-Dichloropropane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:30	J
1,3-Dichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
1,4-Dichlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
1,4-Dioxane	12U	ug/L	6.2	12	25	5	08/01/2024 11:09	08/01/2024 20:30	J
2-Butanone (MEK)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:30	J
2-Hexanone	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
4-Methyl-2-pentanone (MIBK)	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
Acetone	4.6J	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
Benzene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:30	J
Bromodichloromethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:30	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968005 **Date Collected:** 07/26/2024 12:45 **Matrix:** Water
Sample ID: TMW-1 **Date Received:** 07/29/2024 10:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Bromoform	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:30	J
Bromomethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
Carbon Disulfide	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
Carbon Tetrachloride	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:30	J
Chlorobenzene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
Chloroethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
Chloroform	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
Chloromethane	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:30	J
Cyclohexane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
Dibromochloromethane	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 11:09	08/01/2024 20:30	J
Dichlorodifluoromethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
Ethylbenzene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:30	J
Ethylene Dibromide (EDB)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:30	J
Isopropylbenzene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:30	J
Methyl Acetate	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
Methyl Cyclohexane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
Methyl tert-butyl Ether (MTBE)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:30	J
Methylene Chloride	12U	ug/L	6.2	12	25	5	08/01/2024 11:09	08/01/2024 20:30	J
Styrene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
Tetrachloroethylene (PCE)	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:30	J
Toluene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:30	J
Trichloroethene	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:30	J
Trichlorofluoromethane	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
Vinyl Chloride	2.5U	ug/L	1.2	2.5	5.0	5	08/01/2024 11:09	08/01/2024 20:30	J
Xylene (Total)	7.5U	ug/L	3.8	7.5	15	5	08/01/2024 11:09	08/01/2024 20:30	J
cis-1,2-Dichloroethylene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
cis-1,3-Dichloropropene	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 11:09	08/01/2024 20:30	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Lab ID: J2410968005 **Date Collected:** 07/26/2024 12:45 **Matrix:** Water
Sample ID: TMW-1 **Date Received:** 07/29/2024 10:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
trans-1,2-Dichloroethylene	5.0U	ug/L	2.5	5.0	10	5	08/01/2024 11:09	08/01/2024 20:30	J
trans-1,3-Dichloropropylene	2.0U	ug/L	1.0	2.0	5.0	5	08/01/2024 11:09	08/01/2024 20:30	J

Analysis Results Comments

Atrazine

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tributylphosphate

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

alpha-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	250	264	105	85 - 114	J
1,2-Dichloroethane-d4 (S)	ug/L	250	292	117	81 - 118	J
Toluene-d8 (S)	ug/L	250	240	96	89 - 112	J
Decachlorobiphenyl (S)	ug/L	0.50	0.2310	46	44 - 136	J
Tetrachloro-m-xylene (S)	ug/L	1	0.9290	93	61 - 119	J
2,4,6-Tribromophenol (S)	ug/L	56.80	40.70	72	43 - 140	J
Phenol-d6 (S)	ug/L	56.80	19.30	34	21 - 132	J
2-Fluorobiphenyl (S)	ug/L	56.80	40	70	44 - 119	J
2-Fluorophenol (S)	ug/L	56.80	26.30	46	19 - 119	J
Nitrobenzene-d5 (S)	ug/L	56.80	40.60	71	44 - 120	J
2-Methylnaphthalene-d10 (S)	ug/L	56.80	39	69	41 - 131	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
p-Terphenyl-d14 (S)	ug/L	56.80	43.80	77	50 - 134	J
Fluoranthene-d10 (S)	ug/L	56.80	47	83	49 - 126	J
Decachlorobiphenyl (S)	ug/L	0.50	0.2220	**44**	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	0.8570	86	44 - 124	J
Tributylphosphate (S)	ug/L	1	1.23	**123**	48.50 - 121	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Results

QC Batch: CVAj/2527 **Analysis Method:** DoD SW-846 7470A
Preparation Method: SW-846 7470A
Associated Lab IDs: J2410968001, J2410968002, J2410968003, J2410968004, J2410968005

Method Blank(5420759)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Mercury	0.040U	ug/L	0.011	0.040	0.10	J

Lab Control Sample (5420760)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Mercury	ug/L	2	1.8	88	82 - 119	J

Matrix Spike (5420761); Matrix Spike Duplicate (5420762); Original (J2410916008); Parent Lab Sample (J2410916008)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Mercury	ug/L	2	2.2	108	82 - 119	2	102	5	20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Results

QC Batch: GCSj/6721
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410968001, J2410968002, J2410968005
Analysis Method: DoD SW-846 8141B

Method Blank(5415104)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Mevinphos	0.20U	ug/L	0.10	0.20	0.40	J
Demeton	0.20U	ug/L	0.10	0.20	0.40	J
Ethoprop	0.20U	ug/L	0.10	0.20	0.40	J
Phorate	0.20U	ug/L	0.10	0.20	0.40	J
Diazinon	0.20U	ug/L	0.10	0.20	0.40	J
Disulfoton	0.20U	ug/L	0.10	0.20	0.40	J
Ronnel	0.20U	ug/L	0.10	0.20	0.40	J
Methyl Parathion	0.20U	ug/L	0.10	0.20	0.40	J
Chlorpyrifos	0.20U	ug/L	0.10	0.20	0.40	J
Merphos	0.20U	ug/L	0.10	0.20	0.40	J
Fensulfothion	0.20U	ug/L	0.10	0.20	0.40	J
Azinphos-methyl	0.20U	ug/L	0.10	0.20	0.40	J
Sulfotep	0.20U	ug/L	0.10	0.20	0.40	J
Dimethoate	0.20U	ug/L	0.10	0.20	0.40	J
Fonophos	0.20U	ug/L	0.10	0.20	0.40	J
Chlorpyrifos-methyl	0.20U	ug/L	0.10	0.20	0.40	J
Malathion	0.20U	ug/L	0.10	0.20	0.40	J
Parathion (Ethyl)	0.20U	ug/L	0.10	0.20	0.40	J
Ethion	0.20U	ug/L	0.10	0.20	0.40	J
Famphur	0.20U	ug/L	0.10	0.20	0.40	J
Phosmet	0.20U	ug/L	0.10	0.20	0.40	J
Atrazine	0.20U	ug/L	0.10	0.20	0.40	J
Simazine	0.20U	ug/L	0.10	0.20	0.40	J
Demeton-S	0.10U	ug/L	0.050	0.10	0.20	J
Demeton-O	0.10U	ug/L	0.050	0.10	0.20	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	mg/L	0.0010	0.000770	77	48.50 - 121	J

Lab Control Sample (5415105)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Mevinphos	ug/L	0.50	0.42	83	37 - 171	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Batch: GCSj/6721
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410968001, J2410968002, J2410968005

Analysis Method: DoD SW-846 8141B

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Demeton	ug/L	0.50	0.34	69	25 - 128	J
Ethoprop	ug/L	0.50	0.46	92	52 - 125	J
Phorate	ug/L	0.50	0.44	88	23 - 139	J
Diazinon	ug/L	0.50	0.4	80	43 - 129	J
Disulfoton	ug/L	0.50	0.36	72	36 - 134	J
Ronnel	ug/L	0.50	0.43	86	42 - 133	J
Methyl Parathion	ug/L	0.50	0.44	88	49 - 134	J
Chlorpyrifos	ug/L	0.50	0.4	80	47 - 133	J
Merphos	ug/L	0.50	0.5	100	26 - 133	J
Fensulfothion	ug/L	0.50	0.35	69	24 - 160	J
Azinphos-methyl	ug/L	0.50	0.44	88	43 - 135	J
Sulfotep	ug/L	0.50	0.44	89	47 - 126	J
Dimethoate	ug/L	0.50	0.44	89	26 - 125	J
Fonophos	ug/L	0.50	0.4	81	54 - 122	J
Chlorpyrifos-methyl	ug/L	0.50	0.43	86	51 - 133	J
Malathion	ug/L	0.50	0.43	87	44 - 132	J
Parathion (Ethyl)	ug/L	0.50	0.38	76	52 - 134	J
Ethion	ug/L	0.50	0.44	88	42 - 145	J
Famphur	ug/L	0.50	0.47	93	38 - 183	J
Phosmet	ug/L	0.50	0.46	92	44 - 164	J
Atrazine	ug/L	0.50	0.65	**130**	45 - 120	J
Simazine	ug/L	0.50	0.64	128	51 - 136	J
Demeton-S	ug/L	0.25	0.2	79	21 - 162	J
Demeton-O	ug/L	0.25	0.15	58	25 - 128	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	mg/L	0.0010	0.000879	88	48.50 - 121	J

Matrix Spike (5415106); Matrix Spike Duplicate (5415107); Original (J2410907004); Parent Lab Sample (J2410907004)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Mevinphos	ug/L	0.50	0.28	56	37 - 171	0.32	64	14	30	J
Demeton	ug/L	0.50	0.29	58	25 - 128	0.27	54	7.10	30	J
Ethoprop	ug/L	0.50	0.27	54	52 - 125	0.32	65	19	30	J
Phorate	ug/L	0.50	0.26	53	23 - 139	0.29	59	11	30	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Batch: GCSj/6721
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410968001, J2410968002, J2410968005

Analysis Method: DoD SW-846 8141B

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Diazinon	ug/L	0.50	0.34	69	43 - 129	0.33	66	4.70	30	J
Disulfoton	ug/L	0.50	0.27	53	36 - 134	0.29	58	9.30	30	J
Ronnel	ug/L	0.50	0.32	65	42 - 133	0.34	68	4.80	30	J
Methyl Parathion	ug/L	0.50	0.36	72	49 - 134	0.37	74	1.90	30	J
Chlorpyrifos	ug/L	0.50	0.35	69	47 - 133	0.36	71	2.80	30	J
Merphos	ug/L	0.50	0.34	68	26 - 133	0.34	68	0.30	30	J
Fensulfothion	ug/L	0.50	0.3	60	24 - 160	0.28	57	5.80	30	J
Azinphos-methyl	ug/L	0.50	0.4	80	43 - 135	0.39	78	2.50	30	J
Sulfotep	ug/L	0.50	0.29	58	47 - 126	0.33	66	14	30	J
Dimethoate	ug/L	0.50	0.37	73	26 - 125	0.4	81	9.40	30	J
Fonophos	ug/L	0.50	0.29	58	54 - 122	0.32	63	9.20	30	J
Chlorpyrifos-methyl	ug/L	0.50	0.33	65	51 - 133	0.35	70	7.40	30	J
Malathion	ug/L	0.50	0.39	78	44 - 132	0.38	75	3.90	30	J
Parathion (Ethyl)	ug/L	0.50	0.36	71	52 - 134	0.34	69	2.90	30	J
Ethion	ug/L	0.50	0.39	79	42 - 145	0.38	77	2.10	30	J
Famphur	ug/L	0.50	0.4	81	38 - 183	0.38	76	5.80	30	J
Phosmet	ug/L	0.50	0.4	80	44 - 164	0.39	78	2	30	J
Atrazine	ug/L	0.50	0.57	114	45 - 120	0.56	113	0.90	30	J
Simazine	ug/L	0.50	0.55	110	51 - 136	0.55	110	0.40	30	J
Demeton-S	ug/L	0.25	0.16	62	21 - 162	0.16	62	0	30	J
Demeton-O	ug/L	0.25	0.14	54	25 - 128	0.12	46	16	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Tributylphosphate (S)	mg/L	0.0010	0.00062	63	48.50 - 1	0.00068	69	9		J

QC Result Comments

Lab Control Sample - 5415105 - Atrazine

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Results

QC Batch: GCSj/6726
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410968001, J2410968002, J2410968005
Analysis Method: DOD SW-846 8081B

Method Blank(5415091)

Parameter	Results	Units	DL	LOD	LOQ	Lab
alpha-BHC	0.010U	ug/L	0.0050	0.010	0.020	J
gamma-BHC (Lindane)	0.010U	ug/L	0.0050	0.010	0.020	J
beta-BHC	0.010U	ug/L	0.0050	0.010	0.020	J
delta-BHC	0.010U	ug/L	0.0050	0.010	0.020	J
Heptachlor	0.010U	ug/L	0.0050	0.010	0.020	J
Aldrin	0.0050U	ug/L	0.0019	0.0050	0.020	J
Heptachlor Epoxide	0.010U	ug/L	0.0050	0.010	0.020	J
gamma-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	J
alpha-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	J
Endosulfan I	0.010U	ug/L	0.0050	0.010	0.020	J
4,4`-DDE	0.010U	ug/L	0.0050	0.010	0.020	J
Dieldrin	0.0050U	ug/L	0.0019	0.0050	0.020	J
Endrin	0.010U	ug/L	0.0050	0.010	0.020	J
4,4`-DDD	0.010U	ug/L	0.0050	0.010	0.020	J
Endosulfan II	0.010U	ug/L	0.0050	0.010	0.020	J
Endrin Aldehyde	0.010U	ug/L	0.0050	0.010	0.020	J
4,4`-DDT	0.010U	ug/L	0.0050	0.010	0.020	J
Endosulfan Sulfate	0.010U	ug/L	0.0050	0.010	0.020	J
Methoxychlor	0.010U	ug/L	0.0050	0.010	0.020	J
Hexachlorobenzene	0.020U	ug/L	0.0080	0.020	0.040	J
Endrin ketone	0.040U	ug/L	0.020	0.040	0.080	J
Chlordane (technical)	0.25U	ug/L	0.12	0.25	0.50	J
Toxaphene	0.25U	ug/L	0.12	0.25	0.50	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.000498	100	48 - 137	J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.001070	107	44 - 124	J

Lab Control Sample (5415092)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
alpha-BHC	ug/L	0.10	0.11	110	54 - 138	J
gamma-BHC (Lindane)	ug/L	0.10	0.12	119	59 - 134	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Batch: GCSj/6726
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410968001, J2410968002, J2410968005

Analysis Method: DOD SW-846 8081B

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
beta-BHC	ug/L	0.10	0.11	106	56 - 136	J
delta-BHC	ug/L	0.10	0.12	124	52 - 142	J
Heptachlor	ug/L	0.10	0.12	117	54 - 130	J
Aldrin	ug/L	0.10	0.11	111	45 - 134	J
Heptachlor Epoxide	ug/L	0.10	0.11	107	61 - 133	J
gamma-Chlordane	ug/L	0.10	0.13	128	56 - 136	J
alpha-Chlordane	ug/L	0.10	0.11	108	60 - 129	J
Endosulfan I	ug/L	0.10	0.098	98	62 - 126	J
4,4`-DDE	ug/L	0.10	0.11	113	57 - 135	J
Dieldrin	ug/L	0.10	0.11	112	60 - 136	J
Endrin	ug/L	0.10	0.11	108	60 - 138	J
4,4`-DDD	ug/L	0.10	0.1	104	56 - 143	J
Endosulfan II	ug/L	0.10	0.096	96	52 - 135	J
Endrin Aldehyde	ug/L	0.10	0.12	115	51 - 132	J
4,4`-DDT	ug/L	0.10	0.11	107	51 - 143	J
Endosulfan Sulfate	ug/L	0.10	0.12	117	62 - 133	J
Methoxychlor	ug/L	0.10	0.13	126	54 - 145	J
Endrin ketone	ug/L	0.10	0.11	107	58 - 134	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.000515	103	48 - 137	J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.0011	110	44 - 124	J

Matrix Spike (5415093); Matrix Spike Duplicate (5415094); Original (J2410907001); Parent Lab Sample (J2410907001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
alpha-BHC	ug/L	0.10	0.067	67	54 - 138	0.014	**14**	**130**	30	J
gamma-BHC (Lindane)	ug/L	0.10	0.077	77	59 - 134	0.017	**17**	**127**	30	J
beta-BHC	ug/L	0.10	0.08	80	56 - 136	0.017	**17**	**130**	30	J
delta-BHC	ug/L	0.10	0.084	84	52 - 142	0.018	**18**	**131**	30	J
Heptachlor	ug/L	0.10	0.05	**50**	54 - 130	0.013	**13**	**117**	30	J
Aldrin	ug/L	0.10	0.11	108	45 - 134	0.041	**41**	**89**	30	J
Heptachlor Epoxide	ug/L	0.10	0.076	76	61 - 133	0.015	**15**	**133**	30	J
gamma-Chlordane	ug/L	0.10	0.066	66	56 - 136	0.012	**12**	**141**	30	J
alpha-Chlordane	ug/L	0.10	0.074	74	60 - 129	0.015	**15**	**133**	30	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Batch: GCSj/6726
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410968001, J2410968002, J2410968005

Analysis Method: DOD SW-846 8081B

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Endosulfan I	ug/L	0.10	0.079	79	62 - 126	0.019	**19**	**124**	30	J
4,4`-DDE	ug/L	0.10	0.078	78	57 - 135	0.017	**17**	**129**	30	J
Dieldrin	ug/L	0.10	0.088	88	60 - 136	0.02	**20**	**126**	30	J
Endrin	ug/L	0.10	0.089	89	60 - 138	0.021	**21**	**125**	30	J
4,4`-DDD	ug/L	0.10	0.089	89	56 - 143	0.024	**24**	**115**	30	J
Endosulfan II	ug/L	0.10	0.074	74	52 - 135	0.012	**12**	**145**	30	J
Endrin Aldehyde	ug/L	0.10	0.072	72	51 - 132	0.023	**23**	**103**	30	J
4,4`-DDT	ug/L	0.10	0.092	92	51 - 143	0.03	**30**	**101**	30	J
Endosulfan Sulfate	ug/L	0.10	0.11	110	62 - 133	0.03	**30**	**114**	30	J
Methoxychlor	ug/L	0.10	0.086	86	54 - 145	0.032	**32**	**92**	30	J
Endrin ketone	ug/L	0.10	0.075	75	58 - 134	0.015	**15**	**133**	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.00034	68	48 - 137	0.00008	18	118		J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.00060	61	44 - 124	0.00021	22	94		J

QC Result Comments

Matrix Spike - 5415093 - Heptachlor

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5415094 - 4,4`-DDD

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5415094 - 4,4`-DDE

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5415094 - 4,4`-DDT

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5415094 - Aldrin

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5415094 - Dieldrin

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5415094 - Endosulfan I

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Result Comments
Matrix Spike Duplicate - 5415094 - Endosulfan II
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - Endosulfan Sulfate
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - Endrin
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - Endrin Aldehyde
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - Endrin ketone
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - Heptachlor
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - Heptachlor Epoxide
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - Methoxychlor
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - alpha-BHC
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - alpha-Chlordane
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - beta-BHC
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - delta-BHC
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - gamma-BHC (Lindane)
*|MS/MSD recovery and/or RPD is out of criteria
Matrix Spike Duplicate - 5415094 - gamma-Chlordane
*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Results

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Batch: GCSj/6727
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410968001, J2410968002, J2410968005

Analysis Method: DoD SW-846 8082A

Method Blank(5415095)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Aroclor 1016 (PCB-1016)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1221 (PCB-1221)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1232 (PCB-1232)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1242 (PCB-1242)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1248 (PCB-1248)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1254 (PCB-1254)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1260 (PCB-1260)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1262 (PCB-1262)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1268 (PCB-1268)	0.25U	ug/L	0.12	0.25	0.50	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.000511	102	44 - 136	J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.001080	108	61 - 119	J

Lab Control Sample (5415096)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Aroclor 1016 (PCB-1016)	ug/L	1	0.94	94	46 - 129	J
Aroclor 1260 (PCB-1260)	ug/L	1	0.92	92	45 - 134	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.000494	99	44 - 136	J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.001020	102	61 - 119	J

Matrix Spike (5415098); Matrix Spike Duplicate (5415099); Original (J2410907003); Parent Lab Sample (J2410907003)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Aroclor 1016 (PCB-1016)	ug/L	1	0.79	79	46 - 129	0.76	76	4.70	30	J
Aroclor 1260 (PCB-1260)	ug/L	1	0.6	60	45 - 134	0.62	62	2.80	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.00021	**43**	44 - 136	0.00022	44	2.10		J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.00083	84	61 - 119	0.00088	88	4.80		J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Results

QC Batch: ICMj/4560 **Analysis Method:** DoD SW-846 6020A
Preparation Method: SW-846 3010A
Associated Lab IDs: J2410968001, J2410968002, J2410968003, J2410968004, J2410968005

Method Blank(5419829)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Beryllium	2.0U	ug/L	1.0	2.0	4.0	J
Chromium	1.0U	ug/L	0.50	1.0	2.0	J
Nickel	2.5U	ug/L	1.2	2.5	5.0	J
Copper	2.0U	ug/L	1.0	2.0	4.0	J
Zinc	12U	ug/L	6.0	12	24	J
Arsenic	0.50U	ug/L	0.25	0.50	1.0	J
Selenium	2.5U	ug/L	1.2	2.5	5.0	J
Silver	1.0U	ug/L	0.50	1.0	2.0	J
Cadmium	0.50U	ug/L	0.25	0.50	1.0	J
Antimony	2.0U	ug/L	1.0	2.0	4.0	J
Barium	1.0U	ug/L	0.50	1.0	2.0	J
Thallium	0.50U	ug/L	0.25	0.50	1.0	J
Lead	1.0U	ug/L	0.50	1.0	2.0	J

Lab Control Sample (5419830)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Beryllium	ug/L	20	21	105	83 - 121	J
Chromium	ug/L	20	19	96	85 - 116	J
Nickel	ug/L	20	21	103	85 - 117	J
Copper	ug/L	20	19	96	85 - 118	J
Zinc	ug/L	520	530	102	83 - 119	J
Arsenic	ug/L	20	20	102	84 - 116	J
Selenium	ug/L	20	20	99	80 - 120	J
Silver	ug/L	20	20	101	85 - 116	J
Cadmium	ug/L	20	21	103	87 - 115	J
Antimony	ug/L	20	20	98	85 - 117	J
Barium	ug/L	20	20	98	86 - 114	J
Thallium	ug/L	20	20	98	82 - 116	J
Lead	ug/L	20	19	97	88 - 115	J

Matrix Spike (5419831); Matrix Spike Duplicate (5419832); Original (J2410895004); Parent Lab Sample (J2410895004)

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Batch: ICMj/4560 **Analysis Method:** DoD SW-846 6020A
Preparation Method: SW-846 3010A
Associated Lab IDs: J2410968001, J2410968002, J2410968003, J2410968004, J2410968005

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Beryllium	ug/L	20	20	101	83 - 121	20	102	1.80	20	J
Chromium	ug/L	20	19	97	85 - 116	19	97	0.20	20	J
Nickel	ug/L	20	23	114	85 - 117	23	114	0.40	20	J
Copper	ug/L	20	19	94	85 - 118	19	94	0.40	20	J
Zinc	ug/L	520	500	96	83 - 119	500	96	0.50	20	J
Arsenic	ug/L	20	25	101	84 - 116	26	101	0.70	20	J
Selenium	ug/L	20	19	93	80 - 120	19	97	4.50	20	J
Silver	ug/L	20	20	100	85 - 116	20	99	0.40	20	J
Cadmium	ug/L	20	21	103	87 - 115	20	102	0.20	20	J
Antimony	ug/L	20	20	102	85 - 117	20	101	0.60	20	J
Barium	ug/L	20	37	99	86 - 114	37	102	1.70	20	J
Thallium	ug/L	20	20	102	82 - 116	20	102	0.30	20	J
Lead	ug/L	20	21	104	88 - 115	21	105	0.70	20	J

Matrix Spike (5419831); Matrix Spike Duplicate (5419832); Original (J2410895004); Parent Lab Sample (J2410895004)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Beryllium	ug/L	20	20	101	83 - 121	20	102	1.80	20	J
Chromium	ug/L	20	19	97	85 - 116	19	97	0.20	20	J
Nickel	ug/L	20	23	114	85 - 117	23	114	0.40	20	J
Copper	ug/L	20	19	94	85 - 118	19	94	0.40	20	J
Zinc	ug/L	520	500	96	83 - 119	500	96	0.50	20	J
Arsenic	ug/L	20	25	101	84 - 116	26	101	0.70	20	J
Selenium	ug/L	20	19	93	80 - 120	19	97	4.50	20	J
Silver	ug/L	20	20	100	85 - 116	20	99	0.40	20	J
Cadmium	ug/L	20	21	103	87 - 115	20	102	0.20	20	J
Antimony	ug/L	20	20	102	85 - 117	20	101	0.60	20	J
Barium	ug/L	20	37	99	86 - 114	37	102	1.70	20	J
Thallium	ug/L	20	20	102	82 - 116	20	102	0.30	20	J
Lead	ug/L	20	21	104	88 - 115	21	105	0.70	20	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Results

QC Batch: MSSj/4160
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410968002, J2410968004, J2410968005
Analysis Method: DoD SW-846 8270D

Method Blank(5416258)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Phenol	2.5U	ug/L	1.2	2.5	5.0	J
2-Chlorophenol	2.5U	ug/L	1.2	2.5	5.0	J
2-Methylphenol (o-Cresol)	2.5U	ug/L	1.2	2.5	5.0	J
3+4-Methylphenol(mp-Cresol)	5.0U	ug/L	2.5	5.0	10	J
2-Nitrophenol	2.5U	ug/L	1.2	2.5	5.0	J
2,4-Dimethylphenol	5.0U	ug/L	2.5	5.0	10	J
2,4-Dichlorophenol	2.5U	ug/L	1.2	2.5	5.0	J
4-Chloro-3-methylphenol	2.5U	ug/L	1.2	2.5	5.0	J
2,4,6-Trichlorophenol	2.5U	ug/L	1.2	2.5	5.0	J
2,4,5-Trichlorophenol	2.5U	ug/L	1.2	2.5	5.0	J
2,4-Dinitrophenol	2.5U	ug/L	1.2	2.5	5.0	J
4-Nitrophenol	5.0U	ug/L	2.5	5.0	10	J
2-Methyl-4,6-dinitrophenol	5.0U	ug/L	2.5	5.0	10	J
Pentachlorophenol	1.9U	ug/L	0.96	1.9	5.0	J
bis(2-Chloroethyl)Ether	2.5U	ug/L	1.2	2.5	5.0	J
bis(2-Chloroisopropyl) Ether	2.5U	ug/L	1.2	2.5	5.0	J
Acetophenone	2.5U	ug/L	1.2	2.5	5.0	J
N-Nitrosodi-n-propylamine	5.0U	ug/L	2.5	5.0	10	J
Hexachloroethane	2.5U	ug/L	1.2	2.5	5.0	J
Nitrobenzene	2.5U	ug/L	1.2	2.5	5.0	J
Isophorone	2.5U	ug/L	1.2	2.5	5.0	J
bis(2-Chloroethoxy)methane	2.5U	ug/L	1.2	2.5	5.0	J
Naphthalene	0.20U	ug/L	0.10	0.20	0.40	J
4-Chloroaniline	2.5U	ug/L	1.2	2.5	5.0	J
Hexachlorobutadiene	2.5U	ug/L	1.2	2.5	5.0	J
2-Methylnaphthalene	0.20U	ug/L	0.10	0.20	0.40	J
Hexachlorocyclopentadiene	5.0U	ug/L	2.5	5.0	10	J
2-Chloronaphthalene	2.5U	ug/L	1.2	2.5	5.0	J
2-Nitroaniline	2.5U	ug/L	1.2	2.5	5.0	J
Dimethyl phthalate	2.5U	ug/L	1.2	2.5	5.0	J
2,6-Dinitrotoluene (2,6-DNT)	5.0U	ug/L	2.5	5.0	10	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Batch: MSSj/4160
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410968002, J2410968004, J2410968005

Analysis Method: DoD SW-846 8270D

Parameter	Results	Units	DL	LOD	LOQ	Lab
Acenaphthylene	0.20U	ug/L	0.10	0.20	0.40	J
3-Nitroaniline	2.5U	ug/L	1.2	2.5	5.0	J
Acenaphthene	0.20U	ug/L	0.10	0.20	0.40	J
Dibenzofuran	0.20U	ug/L	0.10	0.20	0.40	J
2,4-Dinitrotoluene (2,4-DNT)	5.0U	ug/L	2.5	5.0	10	J
Diethyl phthalate	2.5U	ug/L	1.2	2.5	5.0	J
Fluorene	0.20U	ug/L	0.10	0.20	0.40	J
4-Chlorophenyl Phenyl Ether	5.0U	ug/L	2.5	5.0	10	J
4-Nitroaniline	2.5U	ug/L	1.2	2.5	5.0	J
4-Bromophenyl Phenyl Ether	2.5U	ug/L	1.2	2.5	5.0	J
Hexachlorobenzene	2.5U	ug/L	1.2	2.5	5.0	J
Phenanthrene	0.20U	ug/L	0.10	0.20	0.40	J
Anthracene	0.20U	ug/L	0.10	0.20	0.40	J
Carbazole	0.20U	ug/L	0.10	0.20	0.40	J
Di-n-Butyl Phthalate	5.0U	ug/L	2.5	5.0	10	J
Fluoranthene	0.20U	ug/L	0.10	0.20	0.40	J
Pyrene	0.20U	ug/L	0.10	0.20	0.40	J
Butyl benzyl phthalate	5.0U	ug/L	2.5	5.0	10	J
Benzo[a]anthracene	0.099U	ug/L	0.050	0.099	0.40	J
3,3`-Dichlorobenzidine	5.0U	ug/L	2.5	5.0	10	J
Chrysene	0.20U	ug/L	0.10	0.20	0.40	J
bis(2-Ethylhexyl) phthalate	5.0U	ug/L	2.5	5.0	10	J
Di-n-octyl Phthalate	5.0U	ug/L	2.5	5.0	10	J
Benzo[b]fluoranthene	0.099U	ug/L	0.050	0.099	0.40	J
Benzo[k]fluoranthene	0.20U	ug/L	0.10	0.20	0.40	J
Benzo[a]pyrene	0.20U	ug/L	0.10	0.20	0.40	J
Indeno(1,2,3-cd)pyrene	0.099U	ug/L	0.050	0.099	0.40	J
Dibenzo[a,h]anthracene	0.20U	ug/L	0.10	0.20	0.40	J
Benzo[g,h,i]perylene	0.20U	ug/L	0.10	0.20	0.40	J
N-Nitrosodiphenylamine	5.0U	ug/L	2.5	5.0	10	J
Biphenyl	5.0U	ug/L	2.5	5.0	10	J
Atrazine	5.0U	ug/L	2.5	5.0	10	J
Benzaldehyde	5.0U	ug/L	2.5	5.0	10	J
Caprolactam	5.0U	ug/L	2.5	5.0	10	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Batch: MSSj/4160
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410968002, J2410968004, J2410968005

Analysis Method: DoD SW-846 8270D

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	0.05	0.0354	71	43 - 140	J
2-Fluorobiphenyl (S)	mg/L	0.05	0.0384	77	44 - 119	J
2-Fluorophenol (S)	mg/L	0.05	0.0384	77	19 - 119	J
2-Methylnaphthalene-d10 (S)	mg/L	0.05	0.0371	74	41 - 131	J
Fluoranthene-d10 (S)	mg/L	0.05	0.0413	83	49 - 126	J
Nitrobenzene-d5 (S)	mg/L	0.05	0.0389	78	44 - 120	J
Phenol-d6 (S)	mg/L	0.05	0.0374	75	21 - 132	J
p-Terphenyl-d14 (S)	mg/L	0.05	0.0398	80	50 - 134	J

Lab Control Sample (5416259); Lab Control Sample Duplicate (5416260); Parent Lab Sample (J2410968002, J2410968004, J2410968005)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Phenol	ug/L	50	26	51	38 - 113	28	56	8.30	20	J
2-Chlorophenol	ug/L	50	36	73	38 - 117	39	78	6.60	20	J
2-Methylphenol (o-Cresol)	ug/L	50	36	72	30 - 117	39	77	7.30	20	J
3+4-Methylphenol(mp-Cres	ug/L	50	35	71	29 - 110	39	78	9.60	20	J
2-Nitrophenol	ug/L	50	40	80	47 - 123	40	80	0.30	20	J
2,4-Dimethylphenol	ug/L	50	46	91	31 - 124	48	95	4	20	J
2,4-Dichlorophenol	ug/L	50	38	76	47 - 121	39	77	1.80	20	J
4-Chloro-3-methylphenol	ug/L	50	40	79	52 - 119	41	82	3.50	20	J
2,4,6-Trichlorophenol	ug/L	50	38	75	50 - 125	37	75	0.90	20	J
2,4,5-Trichlorophenol	ug/L	50	38	75	53 - 123	38	76	1.10	20	J
2,4-Dinitrophenol	ug/L	50	38	76	23 - 143	39	78	2.30	20	J
4-Nitrophenol	ug/L	50	33	67	45 - 127	33	67	0.20	20	J
2-Methyl-4,6-dinitrophenol	ug/L	50	45	90	44 - 137	46	91	1.30	20	J
Pentachlorophenol	ug/L	50	36	72	35 - 138	36	72	0.40	20	J
bis(2-Chloroethyl)Ether	ug/L	50	36	71	43 - 118	39	78	9.30	20	J
bis(2-Chloroisopropyl) Ethe	ug/L	50	35	71	37 - 130	38	77	7.60	20	J
Acetophenone	ug/L	50	36	71	46 - 118	39	77	8.30	20	J
N-Nitrosodi-n-propylamine	ug/L	50	37	74	49 - 119	41	81	9.40	20	J
Hexachloroethane	ug/L	50	32	65	21 - 115	35	69	6.70	20	J
Nitrobenzene	ug/L	50	38	76	45 - 121	39	77	1	20	J
Isophorone	ug/L	50	38	76	42 - 124	40	79	4	20	J
bis(2-Chloroethoxy)methan	ug/L	50	38	77	48 - 120	38	77	0.10	20	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Batch: MSSj/4160
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410968002, J2410968004, J2410968005

Analysis Method: DoD SW-846 8270D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Naphthalene	ug/L	50	36	73	43 - 114	37	74	1.90	20	J
4-Chloroaniline	ug/L	50	36	73	33 - 117	37	75	3.10	20	J
Hexachlorobutadiene	ug/L	50	36	71	22 - 124	35	70	1.40	20	J
2-Methylnaphthalene	ug/L	50	36	71	39 - 114	37	73	2.70	20	J
Hexachlorocyclopentadiene	ug/L	50	57	113	51 - 141	55	110	2.70	20	J
2-Chloronaphthalene	ug/L	50	38	77	40 - 116	38	75	1.50	20	J
2-Nitroaniline	ug/L	50	41	81	55 - 127	41	82	0.20	20	J
Dimethyl phthalate	ug/L	50	40	80	45 - 127	40	80	0.10	20	J
2,6-Dinitrotoluene (2,6-DNT	ug/L	50	43	85	57 - 124	42	85	0.80	20	J
Acenaphthylene	ug/L	50	43	85	35 - 121	42	85	0.40	20	J
3-Nitroaniline	ug/L	50	42	84	41 - 128	42	84	0	20	J
Acenaphthene	ug/L	50	36	71	48 - 114	36	73	1.50	20	J
Dibenzofuran	ug/L	50	37	75	35 - 120	38	75	0.60	20	J
2,4-Dinitrotoluene (2,4-DNT	ug/L	50	42	84	57 - 128	43	85	1.70	20	J
Diethyl phthalate	ug/L	50	41	82	56 - 125	40	80	1.90	20	J
Fluorene	ug/L	50	39	79	50 - 118	38	77	2.40	20	J
4-Chlorophenyl Phenyl Eth	ug/L	50	38	77	53 - 121	38	76	1.50	20	J
4-Nitroaniline	ug/L	50	45	90	64 - 143	45	90	0.10	20	J
4-Bromophenyl Phenyl Eth	ug/L	50	39	78	55 - 124	38	75	3.70	20	J
Hexachlorobenzene	ug/L	50	39	77	53 - 125	39	77	0.50	20	J
Phenanthrene	ug/L	50	39	77	53 - 115	39	78	1.40	20	J
Anthracene	ug/L	50	38	76	53 - 119	39	77	1.20	20	J
Carbazole	ug/L	50	41	81	45 - 123	41	81	0	20	J
Di-n-Butyl Phthalate	ug/L	50	42	83	59 - 127	41	83	0.30	20	J
Fluoranthene	ug/L	50	40	81	58 - 120	40	80	0.50	20	J
Pyrene	ug/L	50	41	81	53 - 121	40	81	0.50	20	J
Butyl benzyl phthalate	ug/L	50	44	88	53 - 134	43	87	0.70	20	J
Benzo[a]anthracene	ug/L	50	41	82	59 - 120	41	82	0.30	20	J
3,3`-Dichlorobenzidine	ug/L	50	37	75	27 - 129	38	76	2.20	20	J
Chrysene	ug/L	50	39	79	57 - 120	39	79	0.40	20	J
bis(2-Ethylhexyl) phthalate	ug/L	50	44	88	55 - 135	44	88	0.70	20	J
Di-n-octyl Phthalate	ug/L	50	44	88	51 - 140	44	88	0.10	20	J
Benzo[b]fluoranthene	ug/L	50	38	75	53 - 126	37	75	1	20	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Batch: MSSj/4160
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410968002, J2410968004, J2410968005

Analysis Method: DoD SW-846 8270D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzo[k]fluoranthene	ug/L	50	39	77	54 - 125	38	75	2.40	20	J
Benzo[a]pyrene	ug/L	50	40	80	53 - 120	40	80	0.30	20	J
Indeno(1,2,3-cd)pyrene	ug/L	50	39	79	48 - 130	39	78	1.10	20	J
Dibenzo[a,h]anthracene	ug/L	50	38	76	44 - 131	38	76	0.20	20	J
Benzo[g,h,i]perylene	ug/L	50	37	74	44 - 128	36	72	2.30	20	J
N-Nitrosodiphenylamine	ug/L	50	35	70	51 - 123	35	70	0.60	20	J
Biphenyl	ug/L	50	38	75	49 - 115	37	73	2.40	20	J
Atrazine	ug/L	50	41	83	44 - 142	41	83	0.40	20	J
Benzaldehyde	ug/L	50	21	41	10 - 98	22	45	8.60	20	J
Caprolactam	ug/L	50	21	43	33 - 132	22	44	2.50	20	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2,4,6-Tribromophenol (S)	mg/L	0.05	0.0367	73	43 - 140	0.0371	74	1		J
2-Fluorobiphenyl (S)	mg/L	0.05	0.0367	73	44 - 119	0.0364	73	0.60		J
2-Fluorophenol (S)	mg/L	0.05	0.0289	58	19 - 119	0.0316	63	8.70		J
2-Methylnaphthalene-d10 (S)	mg/L	0.05	0.0355	71	41 - 131	0.0369	74	4		J
Fluoranthene-d10 (S)	mg/L	0.05	0.0392	78	49 - 126	0.0383	77	2.20		J
Nitrobenzene-d5 (S)	mg/L	0.05	0.0372	74	44 - 120	0.0372	74	0.20		J
Phenol-d6 (S)	mg/L	0.05	0.0241	48	21 - 132	0.0261	52	7.80		J
p-Terphenyl-d14 (S)	mg/L	0.05	0.0398	80	50 - 134	0.0397	79	0.30		J

Matrix Spike (5416261); Matrix Spike Duplicate (5416262); Original (J2410895004); Parent Lab Sample (J2410895004)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Phenol	ug/L	50	11	**22**	38 - 113	10	**20**	8.40	20	J
2-Chlorophenol	ug/L	50	33	67	38 - 117	29	58	13	20	J
2-Methylphenol (o-Cresol)	ug/L	50	27	55	30 - 117	25	49	10	20	J
3+4-Methylphenol(mp-Cres	ug/L	50	24	47	29 - 110	22	44	6.20	20	J
2-Nitrophenol	ug/L	50	39	78	47 - 123	37	73	5.80	20	J
2,4-Dimethylphenol	ug/L	50	39	78	31 - 124	37	74	4.10	20	J
2,4-Dichlorophenol	ug/L	50	36	71	47 - 121	34	67	4.70	20	J
4-Chloro-3-methylphenol	ug/L	50	37	73	52 - 119	36	71	2.70	20	J
2,4,6-Trichlorophenol	ug/L	50	36	72	50 - 125	36	71	0.80	20	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Batch: MSSj/4160
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410968002, J2410968004, J2410968005

Analysis Method: DoD SW-846 8270D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2,4,5-Trichlorophenol	ug/L	50	37	75	53 - 123	38	74	0.30	20	J
2,4-Dinitrophenol	ug/L	50	29	57	23 - 143	41	82	**36**	20	J
4-Nitrophenol	ug/L	50	15	**30**	45 - 127	17	**34**	11	20	J
2-Methyl-4,6-dinitrophenol	ug/L	50	45	89	44 - 137	47	92	4.20	20	J
Pentachlorophenol	ug/L	50	30	59	35 - 138	34	67	14	20	J
bis(2-Chloroethyl)Ether	ug/L	50	38	76	43 - 118	33	64	15	20	J
bis(2-Chloroisopropyl) Ethe	ug/L	50	38	75	37 - 130	33	64	14	20	J
Acetophenone	ug/L	50	38	76	46 - 118	34	67	11	20	J
N-Nitrosodi-n-propylamine	ug/L	50	39	78	49 - 119	36	71	8.30	20	J
Hexachloroethane	ug/L	50	30	59	21 - 115	25	50	15	20	J
Nitrobenzene	ug/L	50	38	75	45 - 121	35	68	8.30	20	J
Isophorone	ug/L	50	38	75	42 - 124	35	70	5.60	20	J
bis(2-Chloroethoxy)methan	ug/L	50	38	76	48 - 120	36	71	6.10	20	J
Naphthalene	ug/L	50	36	71	43 - 114	33	65	8.10	20	J
4-Chloroaniline	ug/L	50	35	69	33 - 117	34	67	2.60	20	J
Hexachlorobutadiene	ug/L	50	32	64	22 - 124	29	57	10	20	J
2-Methylnaphthalene	ug/L	50	36	72	39 - 114	34	68	4.90	20	J
Hexachlorocyclopentadiene	ug/L	50	54	107	51 - 141	50	98	8	20	J
2-Chloronaphthalene	ug/L	50	37	74	40 - 116	36	71	3.40	20	J
2-Nitroaniline	ug/L	50	42	84	55 - 127	42	84	1.20	20	J
Dimethyl phthalate	ug/L	50	41	82	45 - 127	41	81	0.20	20	J
2,6-Dinitrotoluene (2,6-DNT	ug/L	50	43	86	57 - 124	43	86	0.20	20	J
Acenaphthylene	ug/L	50	44	88	35 - 121	43	84	2.70	20	J
3-Nitroaniline	ug/L	50	42	85	41 - 128	43	85	1.80	20	J
Acenaphthene	ug/L	50	38	76	48 - 114	37	74	2.20	20	J
Dibenzofuran	ug/L	50	40	79	35 - 120	39	78	0.90	20	J
2,4-Dinitrotoluene (2,4-DNT	ug/L	50	43	87	57 - 128	44	87	1.60	20	J
Diethyl phthalate	ug/L	50	42	84	56 - 125	42	84	0.90	20	J
Fluorene	ug/L	50	40	79	50 - 118	41	80	2.40	20	J
4-Chlorophenyl Phenyl Eth	ug/L	50	39	78	53 - 121	40	78	1.50	20	J
4-Nitroaniline	ug/L	50	45	91	64 - 143	46	92	2.20	20	J
4-Bromophenyl Phenyl Eth	ug/L	50	39	79	55 - 124	42	83	6.60	20	J
Hexachlorobenzene	ug/L	50	40	79	53 - 125	40	79	0.30	20	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Batch: MSSj/4160
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410968002, J2410968004, J2410968005

Analysis Method: DoD SW-846 8270D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Phenanthrene	ug/L	50	41	82	53 - 115	41	81	0.10	20	J
Anthracene	ug/L	50	40	80	53 - 119	40	78	1.60	20	J
Carbazole	ug/L	50	42	84	45 - 123	43	85	2.20	20	J
Di-n-Butyl Phthalate	ug/L	50	43	86	59 - 127	44	87	2.30	20	J
Fluoranthene	ug/L	50	43	86	58 - 120	43	86	0.60	20	J
Pyrene	ug/L	50	43	85	53 - 121	43	85	0.70	20	J
Butyl benzyl phthalate	ug/L	50	46	91	53 - 134	45	89	1.70	20	J
Benzo[a]anthracene	ug/L	50	44	89	59 - 120	43	86	2.10	20	J
3,3`-Dichlorobenzidine	ug/L	50	40	79	27 - 129	40	78	0.20	20	J
Chrysene	ug/L	50	42	85	57 - 120	42	83	1.10	20	J
bis(2-Ethylhexyl) phthalate	ug/L	50	45	91	55 - 135	45	89	1.30	20	J
Di-n-octyl Phthalate	ug/L	50	47	94	51 - 140	45	90	3	20	J
Benzo[b]fluoranthene	ug/L	50	41	82	53 - 126	46	92	12	20	J
Benzo[k]fluoranthene	ug/L	50	42	84	54 - 125	40	80	4	20	J
Benzo[a]pyrene	ug/L	50	44	88	53 - 120	46	90	3.90	20	J
Indeno(1,2,3-cd)pyrene	ug/L	50	43	85	48 - 130	43	86	1.70	20	J
Dibenzo[a,h]anthracene	ug/L	50	41	83	44 - 131	44	87	6.20	20	J
Benzo[g,h,i]perylene	ug/L	50	41	83	44 - 128	43	86	4.70	20	J
N-Nitrosodiphenylamine	ug/L	50	37	73	51 - 123	37	73	0.40	20	J
Biphenyl	ug/L	50	38	75	49 - 115	36	72	4	20	J
Atrazine	ug/L	50	41	82	44 - 142	42	83	2	20	J
Benzaldehyde	ug/L	50	20	40	10 - 98	17	35	15	20	J
Caprolactam	ug/L	50	11	**22**	33 - 132	11	**23**	5.40	20	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2,4,6-Tribromophenol (S)	mg/L	0.05	0.0384	77	43 - 140	0.0387	77	0.70		J
2-Fluorobiphenyl (S)	mg/L	0.05	0.0370	74	44 - 119	0.0343	68	7.40		J
2-Fluorophenol (S)	mg/L	0.05	0.0161	32	19 - 119	0.0142	28	12		J
2-Methylnaphthalene-d10 (S)	mg/L	0.05	0.0379	76	41 - 131	0.0356	70	6.50		J
Fluoranthene-d10 (S)	mg/L	0.05	0.0427	85	49 - 126	0.0430	85	0.50		J
Nitrobenzene-d5 (S)	mg/L	0.05	0.0361	72	44 - 120	0.0329	65	9.30		J
Phenol-d6 (S)	mg/L	0.05	0.0102	**20**	21 - 132	0.00913	18	11		J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Batch: MSSj/4160
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410968002, J2410968004, J2410968005

Analysis Method: DoD SW-846 8270D

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
p-Terphenyl-d14 (S)	mg/L	0.05	0.0410	82	50 - 134	0.0404	80	1.40		J

Lab Control Sample (5416259); Lab Control Sample Duplicate (5416260); Parent Lab Sample (J2410968002, J2410968004, J2410968005)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Phenol	ug/L	50	26	51	38 - 113	28	56	8.30	20	J
2-Chlorophenol	ug/L	50	36	73	38 - 117	39	78	6.60	20	J
2-Methylphenol (o-Cresol)	ug/L	50	36	72	30 - 117	39	77	7.30	20	J
3+4-Methylphenol(mp-Cres	ug/L	50	35	71	29 - 110	39	78	9.60	20	J
2-Nitrophenol	ug/L	50	40	80	47 - 123	40	80	0.30	20	J
2,4-Dimethylphenol	ug/L	50	46	91	31 - 124	48	95	4	20	J
2,4-Dichlorophenol	ug/L	50	38	76	47 - 121	39	77	1.80	20	J
4-Chloro-3-methylphenol	ug/L	50	40	79	52 - 119	41	82	3.50	20	J
2,4,6-Trichlorophenol	ug/L	50	38	75	50 - 125	37	75	0.90	20	J
2,4,5-Trichlorophenol	ug/L	50	38	75	53 - 123	38	76	1.10	20	J
2,4-Dinitrophenol	ug/L	50	38	76	23 - 143	39	78	2.30	20	J
4-Nitrophenol	ug/L	50	33	67	45 - 127	33	67	0.20	20	J
2-Methyl-4,6-dinitrophenol	ug/L	50	45	90	44 - 137	46	91	1.30	20	J
Pentachlorophenol	ug/L	50	36	72	35 - 138	36	72	0.40	20	J
bis(2-Chloroethyl)Ether	ug/L	50	36	71	43 - 118	39	78	9.30	20	J
bis(2-Chloroisopropyl) Ethe	ug/L	50	35	71	37 - 130	38	77	7.60	20	J
Acetophenone	ug/L	50	36	71	46 - 118	39	77	8.30	20	J
N-Nitrosodi-n-propylamine	ug/L	50	37	74	49 - 119	41	81	9.40	20	J
Hexachloroethane	ug/L	50	32	65	21 - 115	35	69	6.70	20	J
Nitrobenzene	ug/L	50	38	76	45 - 121	39	77	1	20	J
Isophorone	ug/L	50	38	76	42 - 124	40	79	4	20	J
bis(2-Chloroethoxy)methan	ug/L	50	38	77	48 - 120	38	77	0.10	20	J
Naphthalene	ug/L	50	36	73	43 - 114	37	74	1.90	20	J
4-Chloroaniline	ug/L	50	36	73	33 - 117	37	75	3.10	20	J
Hexachlorobutadiene	ug/L	50	36	71	22 - 124	35	70	1.40	20	J
2-Methylnaphthalene	ug/L	50	36	71	39 - 114	37	73	2.70	20	J
Hexachlorocyclopentadiene	ug/L	50	57	113	51 - 141	55	110	2.70	20	J
2-Chloronaphthalene	ug/L	50	38	77	40 - 116	38	75	1.50	20	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Batch: MSSj/4160
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410968002, J2410968004, J2410968005

Analysis Method: DoD SW-846 8270D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2-Nitroaniline	ug/L	50	41	81	55 - 127	41	82	0.20	20	J
Dimethyl phthalate	ug/L	50	40	80	45 - 127	40	80	0.10	20	J
2,6-Dinitrotoluene (2,6-DNT	ug/L	50	43	85	57 - 124	42	85	0.80	20	J
Acenaphthylene	ug/L	50	43	85	35 - 121	42	85	0.40	20	J
3-Nitroaniline	ug/L	50	42	84	41 - 128	42	84	0	20	J
Acenaphthene	ug/L	50	36	71	48 - 114	36	73	1.50	20	J
Dibenzofuran	ug/L	50	37	75	35 - 120	38	75	0.60	20	J
2,4-Dinitrotoluene (2,4-DNT	ug/L	50	42	84	57 - 128	43	85	1.70	20	J
Diethyl phthalate	ug/L	50	41	82	56 - 125	40	80	1.90	20	J
Fluorene	ug/L	50	39	79	50 - 118	38	77	2.40	20	J
4-Chlorophenyl Phenyl Eth	ug/L	50	38	77	53 - 121	38	76	1.50	20	J
4-Nitroaniline	ug/L	50	45	90	64 - 143	45	90	0.10	20	J
4-Bromophenyl Phenyl Eth	ug/L	50	39	78	55 - 124	38	75	3.70	20	J
Hexachlorobenzene	ug/L	50	39	77	53 - 125	39	77	0.50	20	J
Phenanthrene	ug/L	50	39	77	53 - 115	39	78	1.40	20	J
Anthracene	ug/L	50	38	76	53 - 119	39	77	1.20	20	J
Carbazole	ug/L	50	41	81	45 - 123	41	81	0	20	J
Di-n-Butyl Phthalate	ug/L	50	42	83	59 - 127	41	83	0.30	20	J
Fluoranthene	ug/L	50	40	81	58 - 120	40	80	0.50	20	J
Pyrene	ug/L	50	41	81	53 - 121	40	81	0.50	20	J
Butyl benzyl phthalate	ug/L	50	44	88	53 - 134	43	87	0.70	20	J
Benzo[a]anthracene	ug/L	50	41	82	59 - 120	41	82	0.30	20	J
3,3`-Dichlorobenzidine	ug/L	50	37	75	27 - 129	38	76	2.20	20	J
Chrysene	ug/L	50	39	79	57 - 120	39	79	0.40	20	J
bis(2-Ethylhexyl) phthalate	ug/L	50	44	88	55 - 135	44	88	0.70	20	J
Di-n-octyl Phthalate	ug/L	50	44	88	51 - 140	44	88	0.10	20	J
Benzo[b]fluoranthene	ug/L	50	38	75	53 - 126	37	75	1	20	J
Benzo[k]fluoranthene	ug/L	50	39	77	54 - 125	38	75	2.40	20	J
Benzo[a]pyrene	ug/L	50	40	80	53 - 120	40	80	0.30	20	J
Indeno(1,2,3-cd)pyrene	ug/L	50	39	79	48 - 130	39	78	1.10	20	J
Dibenzo[a,h]anthracene	ug/L	50	38	76	44 - 131	38	76	0.20	20	J
Benzo[g,h,i]perylene	ug/L	50	37	74	44 - 128	36	72	2.30	20	J
N-Nitrosodiphenylamine	ug/L	50	35	70	51 - 123	35	70	0.60	20	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Batch: MSSj/4160
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410968002, J2410968004, J2410968005

Analysis Method: DoD SW-846 8270D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Biphenyl	ug/L	50	38	75	49 - 115	37	73	2.40	20	J
Atrazine	ug/L	50	41	83	44 - 142	41	83	0.40	20	J
Benzaldehyde	ug/L	50	21	41	10 - 98	22	45	8.60	20	J
Caprolactam	ug/L	50	21	43	33 - 132	22	44	2.50	20	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2,4,6-Tribromophenol (S)	mg/L	0.05	0.0367	73	43 - 140	0.0371	74	1		J
2-Fluorobiphenyl (S)	mg/L	0.05	0.0367	73	44 - 119	0.0364	73	0.60		J
2-Fluorophenol (S)	mg/L	0.05	0.0289	58	19 - 119	0.0316	63	8.70		J
2-Methylnaphthalene-d10 (S)	mg/L	0.05	0.0355	71	41 - 131	0.0369	74	4		J
Fluoranthene-d10 (S)	mg/L	0.05	0.0392	78	49 - 126	0.0383	77	2.20		J
Nitrobenzene-d5 (S)	mg/L	0.05	0.0372	74	44 - 120	0.0372	74	0.20		J
Phenol-d6 (S)	mg/L	0.05	0.0241	48	21 - 132	0.0261	52	7.80		J
p-Terphenyl-d14 (S)	mg/L	0.05	0.0398	80	50 - 134	0.0397	79	0.30		J

QC Result Comments

Method Blank - 5416258 - 2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample - 5416259 - 2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample Duplicate - 5416260 - 2-Chloronaphthalene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample Duplicate - 5416260 - 2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5416261 - 2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5416261 - 4-Nitrophenol

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416261 - Caprolactam

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5416261 - Phenol

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Result Comments

Matrix Spike Duplicate - 5416262 - 2,4-Dinitrophenol

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416262 - 2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5416262 - 4-Nitrophenol

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416262 - Caprolactam

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5416262 - Phenol

*|MS/MSD recovery and/or RPD is out of criteria

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Results

QC Batch: MSSj/4211
Preparation Method: SW-846 3510C
Associated Lab IDs: J2410968001, J2410968002
Analysis Method: DOD SW-846 8270D SIM

Method Blank(5415368)

Parameter	Results	Units	DL	LOD	LOQ	Lab
1,4-Dioxane	0.40U	ug/L	0.20	0.40	0.80	J
Nitrobenzene-d5	**9.52**	ug/L				J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nitrobenzene-d5 (S)	ug/L	10	9.52	95	55 - 111	J

Lab Control Sample (5415369); Lab Control Sample Duplicate (5415370); Parent Lab Sample (J2410968001, J2410968002)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,4-Dioxane	ug/L	5	5.6	113	59 - 139	5.9	117	3.90	20	J
Nitrobenzene-d5	ug/L	10	9.77	98	55 - 111			2.60		J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Nitrobenzene-d5 (S)	ug/L	10	9.77	98	55 - 111	9.52	95	2.60		J

Matrix Spike (5415371); Original (J2410968002); Parent Lab Sample (J2410968002)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,4-Dioxane	ug/L	5.60	6.5	117	59 - 139	J
Nitrobenzene-d5	ug/L	11.10	5.4	**49**	55 - 111	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nitrobenzene-d5 (S)	ug/L	11.10	5.40	**49**	55 - 111	J

QC Result Comments

Matrix Spike - 5415371 - Nitrobenzene-d5

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Results

QC Batch: MSVj/10306 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5030B
Associated Lab IDs: J2410968001, J2410968002, J2410968003, J2410968004, J2410968005

Method Blank(5418398)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Dichlorodifluoromethane	1.0U	ug/L	0.50	1.0	2.0	J
Chloromethane	0.50U	ug/L	0.25	0.50	1.0	J
Vinyl Chloride	0.50U	ug/L	0.25	0.50	1.0	J
Bromomethane	1.0U	ug/L	0.50	1.0	2.0	J
Chloroethane	1.0U	ug/L	0.50	1.0	2.0	J
Trichlorofluoromethane	1.0U	ug/L	0.50	1.0	2.0	J
Acetone	1.0U	ug/L	0.50	1.0	2.0	J
1,1-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	J
Methylene Chloride	2.5U	ug/L	1.2	2.5	5.0	J
Carbon Disulfide	1.0U	ug/L	0.50	1.0	2.0	J
trans-1,2-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	J
Methyl tert-butyl Ether (MTBE)	0.50U	ug/L	0.25	0.50	1.0	J
1,1-Dichloroethane	0.50U	ug/L	0.25	0.50	1.0	J
2-Butanone (MEK)	0.50U	ug/L	0.25	0.50	1.0	J
cis-1,2-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	J
Chloroform	1.0U	ug/L	0.50	1.0	2.0	J
1,2-Dichloroethane	0.50U	ug/L	0.25	0.50	1.0	J
1,1,1-Trichloroethane	1.0U	ug/L	0.50	1.0	2.0	J
Carbon Tetrachloride	0.50U	ug/L	0.25	0.50	1.0	J
Benzene	0.50U	ug/L	0.25	0.50	1.0	J
1,2-Dichloropropane	0.50U	ug/L	0.25	0.50	1.0	J
Trichloroethene	0.50U	ug/L	0.25	0.50	1.0	J
Bromodichloromethane	0.50U	ug/L	0.25	0.50	1.0	J
cis-1,3-Dichloropropene	0.40U	ug/L	0.20	0.40	1.0	J
4-Methyl-2-pentanone (MIBK)	1.0U	ug/L	0.50	1.0	2.0	J
trans-1,3-Dichloropropylene	0.40U	ug/L	0.20	0.40	1.0	J
1,1,2-Trichloroethane	0.50U	ug/L	0.25	0.50	1.0	J
Toluene	0.50U	ug/L	0.25	0.50	1.0	J
2-Hexanone	1.0U	ug/L	0.50	1.0	2.0	J
Dibromochloromethane	0.40U	ug/L	0.20	0.40	1.0	J
Ethylene Dibromide (EDB)	0.50U	ug/L	0.25	0.50	1.0	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Batch: MSVj/10306 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5030B
Associated Lab IDs: J2410968001, J2410968002, J2410968003, J2410968004, J2410968005

Parameter	Results	Units	DL	LOD	LOQ	Lab
Tetrachloroethylene (PCE)	0.50U	ug/L	0.25	0.50	1.0	J
Chlorobenzene	1.0U	ug/L	0.50	1.0	2.0	J
Ethylbenzene	0.50U	ug/L	0.25	0.50	1.0	J
Bromoform	0.50U	ug/L	0.25	0.50	1.0	J
Styrene	1.0U	ug/L	0.50	1.0	2.0	J
1,1,2,2-Tetrachloroethane	0.40U	ug/L	0.20	0.40	1.0	J
Isopropylbenzene	0.50U	ug/L	0.25	0.50	1.0	J
1,3-Dichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	J
1,4-Dichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	J
1,2-Dichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	J
1,2-Dibromo-3-Chloropropane	2.5U	ug/L	1.2	2.5	5.0	J
1,2,4-Trichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	J
Xylene (Total)	1.5U	ug/L	0.75	1.5	3.0	J
1,1,2-Trichlorotrifluoroethane	1.0U	ug/L	0.50	1.0	2.0	J
Cyclohexane	1.0U	ug/L	0.50	1.0	2.0	J
Methyl Acetate	1.0U	ug/L	0.50	1.0	2.0	J
Methyl Cyclohexane	1.0U	ug/L	0.50	1.0	2.0	J
1,4-Dioxane	2.5U	ug/L	1.2	2.5	5.0	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	55.30	111	81 - 118	J
Bromofluorobenzene (S)	ug/L	50	50.60	101	85 - 114	J
Toluene-d8 (S)	ug/L	50	48.70	97	89 - 112	J

Lab Control Sample (5418399)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	ug/L	20	20	98	32 - 152	J
Chloromethane	ug/L	20	20	98	50 - 139	J
Vinyl Chloride	ug/L	20	20	102	58 - 137	J
Bromomethane	ug/L	20	23	116	53 - 141	J
Chloroethane	ug/L	20	22	109	60 - 138	J
Trichlorofluoromethane	ug/L	20	20	102	65 - 141	J
Acetone	ug/L	20	21	105	39 - 160	J
1,1-Dichloroethylene	ug/L	20	20	102	71 - 131	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Batch: MSVj/10306 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5030B
Associated Lab IDs: J2410968001, J2410968002, J2410968003, J2410968004, J2410968005

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Methylene Chloride	ug/L	20	21	106	74 - 124	J
Carbon Disulfide	ug/L	20	20	99	64 - 133	J
trans-1,2-Dichloroethylene	ug/L	20	20	102	75 - 124	J
Methyl tert-butyl Ether (MTBE)	ug/L	20	20	100	71 - 124	J
1,1-Dichloroethane	ug/L	20	20	101	77 - 125	J
2-Butanone (MEK)	ug/L	20	21	103	56 - 143	J
cis-1,2-Dichloroethylene	ug/L	20	21	104	78 - 123	J
Chloroform	ug/L	20	20	100	79 - 124	J
1,2-Dichloroethane	ug/L	20	22	108	73 - 128	J
1,1,1-Trichloroethane	ug/L	20	20	98	74 - 131	J
Carbon Tetrachloride	ug/L	20	21	106	72 - 136	J
Benzene	ug/L	20	21	103	79 - 120	J
1,2-Dichloropropane	ug/L	20	20	102	78 - 122	J
Trichloroethene	ug/L	20	20	98	79 - 123	J
Bromodichloromethane	ug/L	20	21	103	79 - 125	J
cis-1,3-Dichloropropene	ug/L	20	20	101	75 - 124	J
4-Methyl-2-pentanone (MIBK)	ug/L	20	20	101	67 - 130	J
trans-1,3-Dichloropropylene	ug/L	20	20	98	73 - 127	J
1,1,2-Trichloroethane	ug/L	20	19	97	80 - 119	J
Toluene	ug/L	20	20	102	80 - 121	J
2-Hexanone	ug/L	20	21	106	57 - 139	J
Dibromochloromethane	ug/L	20	20	102	74 - 126	J
Ethylene Dibromide (EDB)	ug/L	20	21	105	77 - 121	J
Tetrachloroethylene (PCE)	ug/L	20	20	100	74 - 129	J
Chlorobenzene	ug/L	20	20	100	82 - 118	J
Ethylbenzene	ug/L	20	21	104	79 - 121	J
Bromoform	ug/L	20	19	95	66 - 130	J
Styrene	ug/L	20	20	101	78 - 123	J
1,1,2,2-Tetrachloroethane	ug/L	20	22	108	71 - 121	J
Isopropylbenzene	ug/L	20	20	102	72 - 131	J
1,3-Dichlorobenzene	ug/L	20	21	103	80 - 119	J
1,4-Dichlorobenzene	ug/L	20	20	99	79 - 118	J
1,2-Dichlorobenzene	ug/L	20	20	100	80 - 119	J
1,2-Dibromo-3-Chloropropane	ug/L	20	21	106	62 - 128	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Batch: MSVj/10306 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5030B
Associated Lab IDs: J2410968001, J2410968002, J2410968003, J2410968004, J2410968005

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2,4-Trichlorobenzene	ug/L	20	18	92	69 - 130	J
Xylene (Total)	ug/L	60	61	102	79 - 121	J
1,1,2-Trichlorotrifluoroethane	ug/L	20	20	98	70 - 136	J
Cyclohexane	ug/L	20	21	103	71 - 130	J
Methyl Acetate	ug/L	20	21	104	56 - 136	J
Methyl Cyclohexane	ug/L	20	21	104	72 - 132	J
1,4-Dioxane	ug/L	20	19	93	59 - 139	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	50.70	101	81 - 118	J
Bromofluorobenzene (S)	ug/L	50	50.80	102	85 - 114	J
Toluene-d8 (S)	ug/L	50	50.60	101	89 - 112	J

Matrix Spike (5418400); Matrix Spike Duplicate (5418401); Original (J2410830002); Parent Lab Sample (J2410830002)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	ug/L	20	20	100	32 - 152	18	92	7.90	20	J
Chloromethane	ug/L	20	22	110	50 - 139	22	109	1	20	J
Vinyl Chloride	ug/L	20	22	109	58 - 137	20	100	7.70	20	J
Bromomethane	ug/L	20	22	110	53 - 141	22	108	2	20	J
Chloroethane	ug/L	20	25	125	60 - 138	22	111	12	20	J
Trichlorofluoromethane	ug/L	20	22	110	65 - 141	21	104	5.30	20	J
Acetone	ug/L	20	200	80	39 - 160	300	**559**	**38**	20	J
1,1-Dichloroethylene	ug/L	20	23	113	71 - 131	21	104	8	20	J
Methylene Chloride	ug/L	20	25	123	74 - 124	23	114	8	20	J
Carbon Disulfide	ug/L	20	21	105	64 - 133	19	97	7.40	20	J
trans-1,2-Dichloroethylene	ug/L	20	22	112	75 - 124	21	106	5.50	20	J
Methyl tert-butyl Ether (MT	ug/L	20	24	120	71 - 124	22	110	8.50	20	J
1,1-Dichloroethane	ug/L	20	23	116	77 - 125	21	104	10	20	J
2-Butanone (MEK)	ug/L	20	23	116	56 - 143	20	102	12	20	J
cis-1,2-Dichloroethylene	ug/L	20	23	116	78 - 123	21	106	8.60	20	J
Chloroform	ug/L	20	23	116	79 - 124	21	105	9.40	20	J
1,2-Dichloroethane	ug/L	20	26	128	73 - 128	24	118	8.60	20	J
1,1,1-Trichloroethane	ug/L	20	22	109	74 - 131	20	101	7.50	20	J
Carbon Tetrachloride	ug/L	20	22	112	72 - 136	21	107	5.30	20	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Batch: MSVj/10306 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5030B
Associated Lab IDs: J2410968001, J2410968002, J2410968003, J2410968004, J2410968005

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzene	ug/L	20	23	117	79 - 120	22	110	6.40	20	J
1,2-Dichloropropane	ug/L	20	24	121	78 - 122	22	111	8.70	20	J
Trichloroethene	ug/L	20	21	105	79 - 123	20	100	5.20	20	J
Bromodichloromethane	ug/L	20	24	118	79 - 125	22	108	8.70	20	J
cis-1,3-Dichloropropene	ug/L	20	23	114	75 - 124	21	103	9.90	20	J
4-Methyl-2-pentanone (MIB	ug/L	20	26	128	67 - 130	23	116	10	20	J
trans-1,3-Dichloropropylene	ug/L	20	22	112	73 - 127	20	101	10	20	J
1,1,2-Trichloroethane	ug/L	20	24	**122**	80 - 119	22	112	8.70	20	J
Toluene	ug/L	20	22	110	80 - 121	21	107	2.30	20	J
2-Hexanone	ug/L	20	26	128	57 - 139	24	119	7.50	20	J
Dibromochloromethane	ug/L	20	23	115	74 - 126	21	107	7.60	20	J
Ethylene Dibromide (EDB)	ug/L	20	24	120	77 - 121	23	113	6.30	20	J
Tetrachloroethylene (PCE)	ug/L	20	20	98	74 - 129	20	101	3	20	J
Chlorobenzene	ug/L	20	22	109	82 - 118	21	106	3	20	J
Ethylbenzene	ug/L	20	22	110	79 - 121	21	107	2.40	20	J
Bromoform	ug/L	20	21	106	66 - 130	20	98	7.80	20	J
Styrene	ug/L	20	22	108	78 - 123	21	106	2	20	J
1,1,2,2-Tetrachloroethane	ug/L	20	25	**123**	71 - 121	23	117	5.20	20	J
Isopropylbenzene	ug/L	20	21	105	72 - 131	22	109	3.40	20	J
1,3-Dichlorobenzene	ug/L	20	20	100	80 - 119	21	104	3.40	20	J
1,4-Dichlorobenzene	ug/L	20	20	98	79 - 118	21	103	5.30	20	J
1,2-Dichlorobenzene	ug/L	20	21	105	80 - 119	21	106	0.20	20	J
1,2-Dibromo-3-Chloropropa	ug/L	20	24	119	62 - 128	24	121	1.10	20	J
1,2,4-Trichlorobenzene	ug/L	20	18	90	69 - 130	20	99	9.20	20	J
Xylene (Total)	ug/L	60	64	107	79 - 121	63	105	1.90	20	J
1,1,2-Trichlorotrifluoroethan	ug/L	20	19	96	70 - 136	19	96	0.60	20	J
Cyclohexane	ug/L	20	26	116	71 - 130	24	109	5.90	20	J
Methyl Acetate	ug/L	20	17	85	56 - 136	12	59	**35**	20	J
Methyl Cyclohexane	ug/L	20	21	104	72 - 132	21	106	1.90	20	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	53.20	106	81 - 118	50.10	100	6		J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Batch: MSVj/10306 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5030B
Associated Lab IDs: J2410968001, J2410968002, J2410968003, J2410968004, J2410968005

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Bromofluorobenzene (S)	ug/L	50	49.50	99	85 - 114	49.70	99	0.50		J
Toluene-d8 (S)	ug/L	50	50	100	89 - 112	50.30	101	0.40		J

QC Result Comments

Method Blank - 5418398 - Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample - 5418399 - Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5418400 - 1,1,2,2-Tetrachloroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5418400 - 1,1,2-Trichloroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5418400 - Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5418401 - Acetone

E| This compound's response exceeds the response of the highest standard in the initial calibration range of the instrument .

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5418401 - Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5418401 - Methyl Acetate

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
CVAj/2527 - DoD SW-846 7470A			
J2410968001	TMW-15	DGMj/8743	SW-846 7470A
J2410968002	TMW-19	DGMj/8743	SW-846 7470A
J2410968003	TMW-17	DGMj/8743	SW-846 7470A
J2410968004	TMW-20	DGMj/8743	SW-846 7470A
J2410968005	TMW-1	DGMj/8743	SW-846 7470A
GCSj/6721 - DoD SW-846 8141B			
J2410968001	TMW-15	EXTj/9637	SW-846 3510C
J2410968002	TMW-19	EXTj/9637	SW-846 3510C
J2410968005	TMW-1	EXTj/9637	SW-846 3510C
GCSj/6726 - DOD SW-846 8081B			
J2410968001	TMW-15	EXTj/9635	SW-846 3510C
J2410968002	TMW-19	EXTj/9635	SW-846 3510C
J2410968005	TMW-1	EXTj/9635	SW-846 3510C
GCSj/6727 - DoD SW-846 8082A			
J2410968001	TMW-15	EXTj/9636	SW-846 3510C
J2410968002	TMW-19	EXTj/9636	SW-846 3510C
J2410968005	TMW-1	EXTj/9636	SW-846 3510C
ICMj/4560 - DoD SW-846 6020A			
J2410968001	TMW-15	DGMj/8739	SW-846 3010A
J2410968002	TMW-19	DGMj/8739	SW-846 3010A
J2410968003	TMW-17	DGMj/8739	SW-846 3010A
J2410968004	TMW-20	DGMj/8739	SW-846 3010A
J2410968005	TMW-1	DGMj/8739	SW-846 3010A
MSSj/4160 - DoD SW-846 8270D			
J2410968002	TMW-19	EXTj/9642	SW-846 3510C
J2410968004	TMW-20	EXTj/9642	SW-846 3510C
J2410968005	TMW-1	EXTj/9642	SW-846 3510C
MSSj/4211 - DOD SW-846 8270D SIM			
J2410968001	TMW-15	EXTj/9641	SW-846 3510C
J2410968002	TMW-19	EXTj/9641	SW-846 3510C

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2410968)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSVj/10306 - DoD SW-846 8260C			
J2410968001	TMW-15	MSVj/10305	SW-846 5030B
J2410968002	TMW-19	MSVj/10305	SW-846 5030B
J2410968003	TMW-17	MSVj/10305	SW-846 5030B
J2410968004	TMW-20	MSVj/10305	SW-846 5030B
J2410968005	TMW-1	MSVj/10305	SW-846 5030B

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☐ **Fort Myers:** 13100 Westlinks Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: E84492
☑ **Jacksonville:** 6681 Southpoint Pkwy., FL 32216 • 904.363.9350 • Lab ID: E82574
☐ **Tallahassee:** 2639 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: E811095
☐ Gaine
☐ Miran
☐ Tamp

J2410968

Client Name:	Aerostar SES LLC	Project Name:	Rio Puerto Nuevo DMMA
Address:	3550 St Johns Bluff Rd South	Project Number:	117.24.1078.0001
	Jacksonville, FL 32224	PO Number:	
Phone:	904-565-2820	FDEP Facility No:	
FAX:		FDEP Facility Addr:	
Contact:	Rick Levin		
Sampled By:		Special Instructions:	
Turn Around Time:	(Standard) Rush		
AEL Profile #:	78092	ADaPT EQuIS Other	

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	BOTTLE SIZE & TYPE	40 mL Vials	1L Amber	1L Amber	1L Amber	500 Plas						LABORATORY I.D. NUMBER
							ANALYSIS REQUIRED	8260 VOCs + 1,4 Dioxane	8270 TCL	8270Sim 1,4-Dioxane	8141/8081/8082	PP Metals (6020/7470)						
							Preservation	HCL	Ice	Ice	Ice	HNO3						
							Field-Filtered?											
TMW-15	1-1L for SIM, 8081	G	7-26-24	0830	GW	6		X		X	X	X						001
TMW-19		G	7-26-24	0930	GW	10		X	X	X	X	X						002
TMW-17	VOA & Metals	G	7-26-24	1100	GW	4		X				X						003
TMW-20	1-1L for 8270	G	7-26-24	1150	GW	5		X	X			X						004
TMW-1	1-1L for 8270, 8081	G	7-26-24	1245	GW	6		X	X		X	X						005

Matrix Code: **WW** = wastewater **SW** = surface water **GW** = ground water **DW** = drinking water **O** = oil **A** = air **SO** = soil **SL** = sludge

Preservation Code: I = ice H=(HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Received on Ice ☐ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temp. when received (observed) 1.7 °C Temp. when received (corrected) 1.7 °C

DCN: AD-D051web Form last revised 08/07/2019 Device used for measuring Temp by unique identifier (circle IR temp gun used) (J: 9A) G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A

	Relinquished by:	Date	Time	Received by:	Date	Time
1	[signature]	7-26-24	1450	FedEx		
2	FedEx	7-29-24		[signature]	7-29-24	10:00
3						
4						

FOR DRINKING WATER USE:

(When PWS Information not otherwise supplied) PWS ID: _____

Contact Person: _____

Supplier of Water: _____

Site-Address: _____

May 2025

Río Puerto Nuevo Flood Control Project Draft Supplemental Environmental Assessment, San Juan, PR

<1>

Advanced Environmental Labs Inc

Client: Aerostar

Project name: Rio Puerto Nuevo

Date/Time Rcvd: 7-29-14 1000

Log-In request number: 32410968

Received by: SD

Completed by: SL

Cooler/Shipping Information:

Courier: ☐ AEL ☐ Client ☐ UPS ☐ Blue Streak ☒ FedEx ☐ AES ☐ ASAP ☐ Other (describe): _____

Type: ☒ Cooler ☐ Box ☐ Other (describe) _____

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

Cooler ID	1-2				
Temp (°C)	1.7				
Temp taken from	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler
Temp measured with	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):

Other Information:

Any discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact?	✓		
2. Were custody papers properly included with samples?	✓		
3. Were custody papers properly filled out (ink, signed, match labels)?	✓		
4. Did all bottles arrive in good condition (unbroken)?	✓		
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	✓		
6. Did the sample labels agree with the chain of custody?	✓		
7. Were correct bottles used for the tests indicated?	✓		
8. Were proper sample preservation techniques indicated on the label?	✓		
9. Were samples received within holding times?	✓		
10. Were all VOA vials free of the presence of air bubbles?	✓		
11. Have all Soil VOA Vials and Encores been placed in a freezer within 48 hours of collection?			✓
12. Were samples in direct contact with wet ice? If "No," check one: ☐ NO ICE ☐ BLUE ICE	✓		
13. Was the cooler temperature less than 6°C?	✓		
14. Where pH preservation is required, are sample pHs checked and any anomalies recorded by Sample control? Are all <2 or >10? Note: VOA samples are checked by laboratory analysts.	✓		
15. Was sufficient sample volume provided to perform all tests?	✓		
16. If for Bacteriological testing, were containers supplied by AEL? (See QA officer if answer is no)	✓		
17. Were all sample containers provided by AEL? (Other than Bacteriological)	✓		
18. Were samples accepted into the laboratory?	✓		
19. When necessary to split samples into other bottles, is it noted in the comments?	✓		
20. Where Encores received and if so, how many?			✓

Comments: (Note all sample(s) and container (s)" with a "No" checklist response in this comment section)

DCN: AD-D048
Eff date 2/3/10, Last rev 2/3/21

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

August 28, 2024

Rick Levin
Aerostar SES LLC (ASL)
3550 St Johns Bluff Road South
Jacksonville, FL 32224

RE: Workorder: J2411215 Bechara Lands/Rio Puerto Nuevo

Dear Rick Levin:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday August 1, 2024. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christina M. Tompkins

Chris Tompkins, Project Manager
CTompkins@aellab.com

Certificate of Analysis

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
J2411215001	TMW-18	WA	DOD SW-846 8081B	07/29/2024 11:30	08/01/2024 09:00	23	NA
J2411215001	TMW-18	WA	DOD SW-846 8270D SIM	07/29/2024 11:30	08/01/2024 09:00	1	NA
J2411215001	TMW-18	WA	DoD SW-846 6020A	07/29/2024 11:30	08/01/2024 09:00	13	NA
J2411215001	TMW-18	WA	DoD SW-846 7470A	07/29/2024 11:30	08/01/2024 09:00	1	NA
J2411215001	TMW-18	WA	DoD SW-846 8082A	07/29/2024 11:30	08/01/2024 09:00	9	NA
J2411215001	TMW-18	WA	DoD SW-846 8141B	07/29/2024 11:30	08/01/2024 09:00	25	NA
J2411215001	TMW-18	WA	DoD SW-846 8260C	07/29/2024 11:30	08/01/2024 09:00	49	NA
J2411215001	TMW-18	WA	DoD SW-846 8270D	07/29/2024 11:30	08/01/2024 09:00	65	NA
J2411215002	TMW-17	WA	DOD SW-846 8081B	07/29/2024 14:45	08/01/2024 09:00	23	NA
J2411215002	TMW-17	WA	DOD SW-846 8270D SIM	07/29/2024 14:45	08/01/2024 09:00	1	NA
J2411215002	TMW-17	WA	DoD SW-846 8082A	07/29/2024 14:45	08/01/2024 09:00	9	NA
J2411215002	TMW-17	WA	DoD SW-846 8141B	07/29/2024 14:45	08/01/2024 09:00	25	NA
J2411215003	TMW-20	WA	DOD SW-846 8270D SIM	07/29/2024 15:10	08/01/2024 09:00	1	NA
J2411215004	TMW-8	WA	DOD SW-846 8081B	07/30/2024 10:40	08/01/2024 09:00	23	NA
J2411215004	TMW-8	WA	DOD SW-846 8270D SIM	07/30/2024 10:40	08/01/2024 09:00	1	NA
J2411215004	TMW-8	WA	DoD SW-846 6020A	07/30/2024 10:40	08/01/2024 09:00	13	NA
J2411215004	TMW-8	WA	DoD SW-846 7470A	07/30/2024 10:40	08/01/2024 09:00	1	NA
J2411215004	TMW-8	WA	DoD SW-846 8082A	07/30/2024 10:40	08/01/2024 09:00	9	NA
J2411215004	TMW-8	WA	DoD SW-846 8141B	07/30/2024 10:40	08/01/2024 09:00	25	NA
J2411215004	TMW-8	WA	DoD SW-846 8260C	07/30/2024 10:40	08/01/2024 09:00	49	NA
J2411215004	TMW-8	WA	DoD SW-846 8270D	07/30/2024 10:40	08/01/2024 09:00	65	NA
J2411215005	TMW-5	WA	DOD SW-846 8081B	07/30/2024 13:00	08/01/2024 09:00	23	NA
J2411215005	TMW-5	WA	DOD SW-846 8270D SIM	07/30/2024 13:00	08/01/2024 09:00	1	NA
J2411215005	TMW-5	WA	DoD SW-846 6020A	07/30/2024 13:00	08/01/2024 09:00	13	NA
J2411215005	TMW-5	WA	DoD SW-846 7470A	07/30/2024 13:00	08/01/2024 09:00	1	NA
J2411215005	TMW-5	WA	DoD SW-846 8082A	07/30/2024 13:00	08/01/2024 09:00	9	NA
J2411215005	TMW-5	WA	DoD SW-846 8141B	07/30/2024 13:00	08/01/2024 09:00	25	NA
J2411215005	TMW-5	WA	DoD SW-846 8260C	07/30/2024 13:00	08/01/2024 09:00	49	NA
J2411215005	TMW-5	WA	DoD SW-846 8270D	07/30/2024 13:00	08/01/2024 09:00	65	NA
J2411215006	TMW-7	WA	DOD SW-846 8081B	07/31/2024 08:35	08/01/2024 09:00	23	NA
J2411215006	TMW-7	WA	DOD SW-846 8270D SIM	07/31/2024 08:35	08/01/2024 09:00	1	NA
J2411215006	TMW-7	WA	DoD SW-846 6020A	07/31/2024 08:35	08/01/2024 09:00	13	NA
J2411215006	TMW-7	WA	DoD SW-846 7470A	07/31/2024 08:35	08/01/2024 09:00	1	NA
J2411215006	TMW-7	WA	DoD SW-846 8082A	07/31/2024 08:35	08/01/2024 09:00	9	NA
J2411215006	TMW-7	WA	DoD SW-846 8141B	07/31/2024 08:35	08/01/2024 09:00	25	NA

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
J2411215006	TMW-7	WA	DoD SW-846 8260C	07/31/2024 08:35	08/01/2024 09:00	49	NA
J2411215006	TMW-7	WA	DoD SW-846 8270D	07/31/2024 08:35	08/01/2024 09:00	65	NA
J2411215007	TMW-9	WA	DOD SW-846 8081B	07/31/2024 09:30	08/01/2024 09:00	23	NA
J2411215007	TMW-9	WA	DOD SW-846 8270D SIM	07/31/2024 09:30	08/01/2024 09:00	1	NA
J2411215007	TMW-9	WA	DoD SW-846 6020A	07/31/2024 09:30	08/01/2024 09:00	13	NA
J2411215007	TMW-9	WA	DoD SW-846 7470A	07/31/2024 09:30	08/01/2024 09:00	1	NA
J2411215007	TMW-9	WA	DoD SW-846 8082A	07/31/2024 09:30	08/01/2024 09:00	9	NA
J2411215007	TMW-9	WA	DoD SW-846 8141B	07/31/2024 09:30	08/01/2024 09:00	25	NA
J2411215007	TMW-9	WA	DoD SW-846 8260C	07/31/2024 09:30	08/01/2024 09:00	49	NA
J2411215007	TMW-9	WA	DoD SW-846 8270D	07/31/2024 09:30	08/01/2024 09:00	65	NA
J2411215008	TMW-10	WA	DOD SW-846 8081B	07/31/2024 11:15	08/01/2024 09:00	23	NA
J2411215008	TMW-10	WA	DOD SW-846 8270D SIM	07/31/2024 11:15	08/01/2024 09:00	1	NA
J2411215008	TMW-10	WA	DoD SW-846 6020A	07/31/2024 11:15	08/01/2024 09:00	13	NA
J2411215008	TMW-10	WA	DoD SW-846 7470A	07/31/2024 11:15	08/01/2024 09:00	1	NA
J2411215008	TMW-10	WA	DoD SW-846 8082A	07/31/2024 11:15	08/01/2024 09:00	9	NA
J2411215008	TMW-10	WA	DoD SW-846 8141B	07/31/2024 11:15	08/01/2024 09:00	25	NA
J2411215008	TMW-10	WA	DoD SW-846 8260C	07/31/2024 11:15	08/01/2024 09:00	49	NA
J2411215008	TMW-10	WA	DoD SW-846 8270D	07/31/2024 11:15	08/01/2024 09:00	65	NA
J2411215009	TMW-4	WA	DOD SW-846 8081B	07/31/2024 10:30	08/01/2024 09:00	23	NA
J2411215009	TMW-4	WA	DOD SW-846 8270D SIM	07/31/2024 10:30	08/01/2024 09:00	1	NA
J2411215009	TMW-4	WA	DoD SW-846 6020A	07/31/2024 10:30	08/01/2024 09:00	13	NA
J2411215009	TMW-4	WA	DoD SW-846 7470A	07/31/2024 10:30	08/01/2024 09:00	1	NA
J2411215009	TMW-4	WA	DoD SW-846 8082A	07/31/2024 10:30	08/01/2024 09:00	9	NA
J2411215009	TMW-4	WA	DoD SW-846 8141B	07/31/2024 10:30	08/01/2024 09:00	25	NA
J2411215009	TMW-4	WA	DoD SW-846 8260C	07/31/2024 10:30	08/01/2024 09:00	49	NA
J2411215009	TMW-4	WA	DoD SW-846 8270D	07/31/2024 10:30	08/01/2024 09:00	65	NA
J2411215010	TMW-14	WA	DOD SW-846 8081B	07/24/2024 14:50	08/01/2024 09:00	23	NA
J2411215010	TMW-14	WA	DOD SW-846 8270D SIM	07/24/2024 14:50	08/01/2024 09:00	1	NA
J2411215010	TMW-14	WA	DoD SW-846 6020A	07/24/2024 14:50	08/01/2024 09:00	13	NA
J2411215010	TMW-14	WA	DoD SW-846 7470A	07/24/2024 14:50	08/01/2024 09:00	1	NA
J2411215010	TMW-14	WA	DoD SW-846 8082A	07/24/2024 14:50	08/01/2024 09:00	9	NA
J2411215010	TMW-14	WA	DoD SW-846 8141B	07/24/2024 14:50	08/01/2024 09:00	25	NA
J2411215010	TMW-14	WA	DoD SW-846 8260C	07/24/2024 14:50	08/01/2024 09:00	49	NA
J2411215010	TMW-14	WA	DoD SW-846 8270D	07/24/2024 14:50	08/01/2024 09:00	65	NA
J2411215011	TMW-15	WA	DOD SW-846 8081B	07/26/2024 08:30	08/01/2024 09:00	23	NA

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
J2411215011	TMW-15	WA	DoD SW-846 6020A	07/26/2024 08:30	08/01/2024 09:00	13	NA
J2411215011	TMW-15	WA	DoD SW-846 7470A	07/26/2024 08:30	08/01/2024 09:00	1	NA
J2411215011	TMW-15	WA	DoD SW-846 8270D	07/26/2024 08:30	08/01/2024 09:00	65	NA

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Workorder Summary

Workorder Comments

Sample TMW-14 was received outside method specified holding time for several analysis. Client was consulted and instructed the laboratory to analyze outside holding time.

Sample TMW-15 was not on the COC and only 1 L unpreserved container was received. The client was consulted and 8270, 8081 and PP Metals were requested and client was aware that MDLs would be elevated due to the limited volume.

Receiving Code Comments

J2411215011 (TMW-15) - Paying sample

Low sample volume

Task Comments

J2411215011 (TMW-15) - GCSj/6773 - DOD-8081/8082/608 Analysis,WA

The analysis of J2411215001 was initially performed past the recommended holding time. The sample was received past the hold date and analyzed per the clients request. The data were qualified accordingly.

Analysis Results Comments

J2411215001 (TMW-18) - 2-Fluorobiphenyl

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

J2411215001 (TMW-18) - 2-Methylnaphthalene-d10

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

J2411215001 (TMW-18) - Nitrobenzene-d5

Q|One or more of the quality control criteria failed (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

J2411215001 (TMW-18) - Phenol-d6

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

J2411215004 (TMW-8) - 2-Fluorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

J2411215004 (TMW-8) - Nitrobenzene-d5

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

J2411215007 (TMW-9) - 2-Fluorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

J2411215007 (TMW-9) - 2-Methylnaphthalene-d10

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

J2411215007 (TMW-9) - Nitrobenzene-d5

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

J2411215007 (TMW-9) - p-Terphenyl-d14

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Workorder Summary

Analysis Results Comments

J2411215008 (TMW-10) - 2-Fluorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

J2411215008 (TMW-10) - Nitrobenzene-d5

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

J2411215010 (TMW-14) - 2-Fluorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

J2411215010 (TMW-14) - 2-Methylnaphthalene-d10

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

J2411215010 (TMW-14) - Nitrobenzene-d5

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results Qualifiers

Parameter Qualifiers

U	The compound was analyzed for but not detected.
J	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
Q	One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
H	Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.
J	The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Lab Qualifiers

J	DOH Certification #E82574 (FL NELAC) AEL-Jacksonville DOD-ELAP Certification #L23-514 (ISO/IEC 17025:2017) AEL-Jacksonville

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215001 **Date Collected:** 07/29/2024 11:30 **Matrix:** Water
Sample ID: TMW-18 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3010A/DoD SW-846 6020A)									
Antimony	2.0U	ug/L	1.0	2.0	4.0	1	08/12/2024 07:18	08/13/2024 02:01	J
Barium	**320**	ug/L	5.0	10	20	10	08/12/2024 07:18	08/15/2024 02:06	J
Cadmium	0.62J	ug/L	0.25	0.50	1.0	1	08/12/2024 07:18	08/13/2024 02:01	J
Copper	**76**	ug/L	1.0	2.0	4.0	1	08/12/2024 07:18	08/13/2024 02:01	J
Nickel	**21**	ug/L	1.2	2.5	5.0	1	08/12/2024 07:18	08/13/2024 02:01	J
Silver	1.0U	ug/L	0.50	1.0	2.0	1	08/12/2024 07:18	08/13/2024 02:01	J
Zinc	**62**	ug/L	6.0	12	24	1	08/12/2024 07:18	08/13/2024 02:01	J
METALS (SW-846 7470A/DoD SW-846 7470A)									
Mercury	0.071J	ug/L	0.011	0.040	0.10	1	08/06/2024 08:42	08/06/2024 12:58	J
SEMIVOLATILES (SW-846 3510C/DOD SW-846 8081B)									
4,4`-DDD	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:00	J
4,4`-DDE	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:00	J
4,4`-DDT	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:00	J
Aldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	08/01/2024 15:00	08/05/2024 14:00	J
Chlordane (technical)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 14:00	J
Dieldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	08/01/2024 15:00	08/05/2024 14:00	J
Endosulfan I	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:00	J
Endosulfan II	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:00	J
Endosulfan Sulfate	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:00	J
Endrin	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:00	J
Endrin Aldehyde	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:00	J

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215001 **Date Collected:** 07/29/2024 11:30 **Matrix:** Water
Sample ID: TMW-18 **Date Received:** 08/01/2024 09:00

Parameter									
Heptachlor	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:00	J
Hexachlorobenzene	0.020U	ug/L	0.0080	0.020	0.040	1	08/01/2024 15:00	08/05/2024 14:00	J
Toxaphene	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 14:00	J
alpha-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:00	J
delta-BHC	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:00	J
gamma-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:00	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.25U	ug/L	0.12	0.25					
Aroclor 1221 (PCB-1221)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 18:48	J
Aroclor 1232 (PCB-1232)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 18:48	J
Aroclor 1242 (PCB-1242)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 18:48	J
Aroclor 1248 (PCB-1248)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 18:48	J
Aroclor 1254 (PCB-1254)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 18:48	J
Aroclor 1260 (PCB-1260)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 18:48	J
Aroclor 1262 (PCB-1262)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 18:48	J
Aroclor 1268 (PCB-1268)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 18:48	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8141B)									
Atrazine	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J
Azinphos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J
Chlorpyrifos	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J
Chlorpyrifos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215001 **Date Collected:** 07/29/2024 11:30 **Matrix:** Water
Sample ID: TMW-18 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J
Demeton-O	0.10U	ug/L	0.050	0.10	0.20	1	08/01/2024 15:00	08/08/2024 22:51	J
Demeton-S	0.10U	ug/L	0.050	0.10	0.20	1	08/01/2024 15:00	08/08/2024 22:51	J
Diazinon	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J
Dimethoate	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J
Disulfoton	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J
Ethion	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J
Ethoprop	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J
Famphur	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J
Fensulfothion	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J
Fonophos	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J
Malathion	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J
Merphos	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J
Methyl Parathion	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J
Mevinphos	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J
Parathion (Ethyl)	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J
Phorate	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J
Phosmet	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J
Ronnel	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J
Simazine	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J
Sulfotep	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 22:51	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
2,4,6-Trichlorophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
2,4-Dichlorophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
2,4-Dimethylphenol	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 17:25	J
2,4-Dinitrophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215001 **Date Collected:** 07/29/2024 11:30 **Matrix:** Water
Sample ID: TMW-18 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 17:25	J
2,6-Dinitrotoluene (2,6-DNT)	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 17:25	J
2-Chloronaphthalene	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
2-Chlorophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
2-Methyl-4,6-dinitrophenol	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 17:25	J
2-Methylnaphthalene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 17:25	J
2-Methylphenol (o-Cresol)	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
2-Nitroaniline	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
2-Nitrophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
3+4-Methylphenol(mp-Cresol)	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 17:25	J
3,3`-Dichlorobenzidine	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 17:25	J
3-Nitroaniline	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
4-Bromophenyl Phenyl Ether	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
4-Chloro-3-methylphenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
4-Chloroaniline	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
4-Chlorophenyl Phenyl Ether	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 17:25	J
4-Nitroaniline	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
4-Nitrophenol	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 17:25	J
Acenaphthene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 17:25	J
Acenaphthylene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 17:25	J
Acetophenone	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
Anthracene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 17:25	J
Atrazine	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 17:25	J
Benzaldehyde	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 17:25	J
Benzo[a]anthracene	0.22U	ug/L	0.11	0.22	0.89	1	08/05/2024 09:00	08/19/2024 17:25	J
Benzo[a]pyrene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 17:25	J
Benzo[b]fluoranthene	0.22U	ug/L	0.11	0.22	0.89	1	08/05/2024 09:00	08/19/2024 17:25	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215001 **Date Collected:** 07/29/2024 11:30 **Matrix:** Water
Sample ID: TMW-18 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 17:25	J
Benzo[k]fluoranthene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 17:25	J
Biphenyl	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 17:25	J
Butyl benzyl phthalate	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 17:25	J
Caprolactam	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 17:25	J
Carbazole	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 17:25	J
Chrysene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 17:25	J
Di-n-Butyl Phthalate	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 17:25	J
Di-n-octyl Phthalate	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 17:25	J
Dibenzo[a,h]anthracene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 17:25	J
Dibenzofuran	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 17:25	J
Diethyl phthalate	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
Dimethyl phthalate	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
Fluoranthene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 17:25	J
Fluorene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 17:25	J
Hexachlorobenzene	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
Hexachlorobutadiene	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
Hexachlorocyclopentadiene	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 17:25	J
Hexachloroethane	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
Indeno(1,2,3-cd)pyrene	0.22U	ug/L	0.11	0.22	0.89	1	08/05/2024 09:00	08/19/2024 17:25	J
Isophorone	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
N-Nitrosodi-n-propylamine	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 17:25	J
N-Nitrosodiphenylamine	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 17:25	J
Naphthalene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 17:25	J
Nitrobenzene	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
Pentachlorophenol	4.2U	ug/L	2.1	4.2	11	1	08/05/2024 09:00	08/19/2024 17:25	J
Phenanthrene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 17:25	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Lab ID: J2411215001 **Date Collected:** 07/29/2024 11:30 **Matrix:** Water
Sample ID: TMW-18 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
bis(2-Chloroethoxy)methane	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
bis(2-Chloroisopropyl) Ether	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 17:25	J
1,4-Dioxane	2.0U	ug/L	0.99	2.0	4.0	1	08/05/2024 12:00	08/19/2024 23:27	J
VOLATILES (SW-846 5030B/DoD SW-846 8260C)									
1,1,2,2-Tetrachloroethane	1.2U	ug/L	0.60	1.2	3.0	3	08/02/2024 11:07	08/02/2024 16:24	J
1,1,2-Trichlorotrifluoroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 16:24	J
1,1-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 16:24	J
1,2-Dibromo-3-Chloropropane	7.5U	ug/L	3.8	7.5	15	3	08/02/2024 11:07	08/02/2024 16:24	J
1,2-Dichloroethane	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 16:24	J
1,3-Dichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 16:24	J
1,4-Dichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 16:24	J
1,4-Dioxane	7.5U	ug/L	3.8	7.5	15	3	08/02/2024 11:07	08/02/2024 16:24	J
2-Butanone (MEK)	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 16:24	J
2-Hexanone	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 16:24	J
4-Methyl-2-pentanone (MIBK)	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Acetone	4.9J	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 16:24	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215001 **Date Collected:** 07/29/2024 11:30 **Matrix:** Water
Sample ID: TMW-18 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Bromodichloromethane	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Bromoform	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Bromomethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Carbon Disulfide	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Carbon Tetrachloride	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Chlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Chloroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Chloroform	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Chloromethane	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Cyclohexane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Dibromochloromethane	1.2U	ug/L	0.60	1.2	3.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Dichlorodifluoromethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Ethylbenzene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Ethylene Dibromide (EDB)	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Isopropylbenzene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Methyl Acetate	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Methyl Cyclohexane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Methyl tert-butyl Ether (MTBE)	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Methylene Chloride	7.5U	ug/L	3.8	7.5	15	3	08/02/2024 11:07	08/02/2024 16:24	J
Styrene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Tetrachloroethylene (PCE)	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Toluene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Trichloroethene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Trichlorofluoromethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Vinyl Chloride	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 16:24	J
Xylene (Total)	4.5U	ug/L	2.2	4.5	9.0	3	08/02/2024 11:07	08/02/2024 16:24	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215001 **Date Collected:** 07/29/2024 11:30 **Matrix:** Water
Sample ID: TMW-18 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 16:24	J
cis-1,3-Dichloropropene	1.2U	ug/L	0.60	1.2	3.0	3	08/02/2024 11:07	08/02/2024 16:24	J
trans-1,2-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 16:24	J
trans-1,3-Dichloropropylene	1.2U	ug/L	0.60	1.2	3.0	3	08/02/2024 11:07	08/02/2024 16:24	J

Analysis Results Comments

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tributylphosphate

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	150	171	114	81 - 118	J
Toluene-d8 (S)	ug/L	150	148	98	89 - 112	J
Bromofluorobenzene (S)	ug/L	150	158	105	85 - 114	J
Nitrobenzene-d5 (S)	ug/L	22.20	15.80	71	55 - 111	J
Decachlorobiphenyl (S)	ug/L	0.50	0.28	56	44 - 136	J
Tetrachloro-m-xylene (S)	ug/L	1	0.64	64	61 - 119	J
2,4,6-Tribromophenol (S)	ug/L	111	54.50	49	43 - 140	J
Phenol-d6 (S)	ug/L	111	21.10	**19**	21 - 132	J
2-Fluorobiphenyl (S)	ug/L	111	31.50	**28**	44 - 119	J
2-Fluorophenol (S)	ug/L	111	24.30	22	19 - 119	J
Nitrobenzene-d5 (S)	ug/L	111	33.70	**30**	44 - 120	J
2-Methylnaphthalene-d10 (S)	ug/L	111	32.70	**29**	41 - 131	J
p-Terphenyl-d14 (S)	ug/L	111	65.50	59	50 - 134	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Fluoranthene-d10 (S)	ug/L	111	72	65	49 - 126	J
Decachlorobiphenyl (S)	ug/L	0.50	0.2880	58	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	0.6230	62	44 - 124	J
Tributylphosphate (S)	ug/L	1	0	**0**	48.50 - 121	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215002 **Date Collected:** 07/29/2024 14:45 **Matrix:** Water
Sample ID: TMW-17 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
SEMIVOLATILES (SW-846 3510C/DOD SW-846 8081B)									
4,4`-DDD	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:21	J
4,4`-DDE	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:21	J
4,4`-DDT	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:21	J
Aldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	08/01/2024 15:00	08/05/2024 14:21	J
Chlordane (technical)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 14:21	J
Dieldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	08/01/2024 15:00	08/05/2024 14:21	J
Endosulfan I	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:21	J
Endosulfan II	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:21	J
Endosulfan Sulfate	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:21	J
Endrin	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:21	J
Endrin Aldehyde	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:21	J
Endrin ketone	0.040U	ug/L	0.020	0.040	0.080	1	08/01/2024 15:00	08/05/2024 14:21	J
Heptachlor	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:21	J
Heptachlor Epoxide	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:21	J
Hexachlorobenzene	0.020U	ug/L	0.0080	0.020	0.040	1	08/01/2024 15:00	08/05/2024 14:21	J
Methoxychlor	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:21	J
Toxaphene	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 14:21	J
alpha-BHC	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:21	J
alpha-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:21	J
beta-BHC	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:21	J
delta-BHC	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:21	J
gamma-BHC (Lindane)	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:21	J
gamma-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:21	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.62U	ug/L	0.31	0.62	1.2	1	08/05/2024 09:00	08/15/2024 07:25	J
Aroclor 1221 (PCB-1221)	0.62U	ug/L	0.31	0.62	1.2	1	08/05/2024 09:00	08/15/2024 07:25	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215002 **Date Collected:** 07/29/2024 14:45 **Matrix:** Water
Sample ID: TMW-17 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Aroclor 1232 (PCB-1232)	0.62U	ug/L	0.31	0.62	1.2	1	08/05/2024 09:00	08/15/2024 07:25	J
Aroclor 1242 (PCB-1242)	0.62U	ug/L	0.31	0.62	1.2	1	08/05/2024 09:00	08/15/2024 07:25	J
Aroclor 1248 (PCB-1248)	0.62U	ug/L	0.31	0.62	1.2	1	08/05/2024 09:00	08/15/2024 07:25	J
Aroclor 1254 (PCB-1254)	0.62U	ug/L	0.31	0.62	1.2	1	08/05/2024 09:00	08/15/2024 07:25	J
Aroclor 1260 (PCB-1260)	0.62U	ug/L	0.31	0.62	1.2	1	08/05/2024 09:00	08/15/2024 07:25	J
Aroclor 1262 (PCB-1262)	0.62U	ug/L	0.31	0.62	1.2	1	08/05/2024 09:00	08/15/2024 07:25	J
Aroclor 1268 (PCB-1268)	0.62U	ug/L	0.31	0.62	1.2	1	08/05/2024 09:00	08/15/2024 07:25	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8141B)									
Atrazine	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 09:00	08/16/2024 19:19	J
Azinphos-methyl	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 09:00	08/16/2024 19:19	J
Chlorpyrifos	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 09:00	08/16/2024 19:19	J
Chlorpyrifos-methyl	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 09:00	08/16/2024 19:19	J
Demeton	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 09:00	08/16/2024 19:19	J
Demeton-O	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/16/2024 19:19	J
Demeton-S	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/16/2024 19:19	J
Diazinon	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 09:00	08/16/2024 19:19	J
Dimethoate	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 09:00	08/16/2024 19:19	J
Disulfoton	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 09:00	08/16/2024 19:19	J
Ethion	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 09:00	08/16/2024 19:19	J
Ethoprop	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 09:00	08/16/2024 19:19	J
Famphur	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 09:00	08/16/2024 19:19	J
Fensulfothion	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 09:00	08/16/2024 19:19	J
Fonophos	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 09:00	08/16/2024 19:19	J
Malathion	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 09:00	08/16/2024 19:19	J
Merphos	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 09:00	08/16/2024 19:19	J
Methyl Parathion	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 09:00	08/16/2024 19:19	J
Mevinphos	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 09:00	08/16/2024 19:19	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215002 **Date Collected:** 07/29/2024 14:45 **Matrix:** Water
Sample ID: TMW-17 **Date Received:** 08/01/2024 09:00

Parameter									
Parathion (Ethyl)	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 09:00	08/16/2024 19:19	J
Phorate	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 09:00	08/16/2024 19:19	J
Ronnel	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 09:00	08/16/2024 19:19	J
Sulfotep	0.50U	ug/L	0.25	0.50	1.0	1	08/05/2024 09:00	08/16/2024 19:19	J
VOLATILES (SW-846 3510C/DOD SW-846 8270D SIM)									

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nitrobenzene-d5 (S)	ug/L	22.20	15	68	55 - 111	J
Decachlorobiphenyl (S)	ug/L	1.25	0.7660	61	44 - 136	J
Tetrachloro-m-xylene (S)	ug/L	2.50	1.61	65	61 - 119	J
Decachlorobiphenyl (S)	ug/L	0.50	0.2860	57	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	0.5670	57	44 - 124	J
Tributylphosphate (S)	ug/L	2.50	1.79	72	48.50 - 121	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215003 **Date Collected:** 07/29/2024 15:10 **Matrix:** Water
Sample ID: TMW-20 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 3510C/DOD SW-846 8270D SIM)									
1,4-Dioxane	2.0U	ug/L	0.99	2.0	4.0	1	08/05/2024 12:00	08/20/2024 00:17	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nitrobenzene-d5 (S)	ug/L	22.20	16	72	55 - 111	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215004 **Date Collected:** 07/30/2024 10:40 **Matrix:** Water
Sample ID: TMW-8 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3010A/DoD SW-846 6020A)									
Antimony	10U	ug/L	5.0	10	20	5	08/12/2024 07:18	08/15/2024 02:18	J
Barium	**42**	ug/L	2.5	5.0	10	5	08/12/2024 07:18	08/15/2024 02:18	J
Cadmium	2.5U	ug/L	1.2	2.5	5.0	5	08/12/2024 07:18	08/15/2024 02:18	J
Copper	10U	ug/L	5.0	10	20	5	08/12/2024 07:18	08/15/2024 02:18	J
Nickel	**49**	ug/L	6.2	12	25	5	08/12/2024 07:18	08/15/2024 02:18	J
Silver	5.0U	ug/L	2.5	5.0	10	5	08/12/2024 07:18	08/15/2024 02:18	J
Zinc	60U	ug/L	30	60	120	5	08/12/2024 07:18	08/15/2024 02:18	J
METALS (SW-846 7470A/DoD SW-846 7470A)									
Mercury	0.019J	ug/L	0.011	0.040	0.10	1	08/06/2024 08:42	08/06/2024 13:01	J
SEMIVOLATILES (SW-846 3510C/DOD SW-846 8081B)									
4,4`-DDD	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:41	J
4,4`-DDE	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:41	J
4,4`-DDT	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:41	J
Aldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	08/01/2024 15:00	08/05/2024 14:41	J
Chlordane (technical)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 14:41	J
Dieldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	08/01/2024 15:00	08/05/2024 14:41	J
Endosulfan I	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:41	J
Endosulfan II	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:41	J
Endosulfan Sulfate	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:41	J
Endrin	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:41	J
Endrin Aldehyde	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:41	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215004 **Date Collected:** 07/30/2024 10:40 **Matrix:** Water
Sample ID: TMW-8 **Date Received:** 08/01/2024 09:00

Parameter									
Heptachlor	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:41	J
Hexachlorobenzene	0.020U	ug/L	0.0080	0.020	0.040	1	08/01/2024 15:00	08/05/2024 14:41	J
Toxaphene	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 14:41	J
alpha-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:41	J
delta-BHC	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:41	J
gamma-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 14:41	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.25U	ug/L	0.12	0.25					
Aroclor 1221 (PCB-1221)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 07:46	J
Aroclor 1232 (PCB-1232)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 07:46	J
Aroclor 1242 (PCB-1242)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 07:46	J
Aroclor 1248 (PCB-1248)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 07:46	J
Aroclor 1254 (PCB-1254)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 07:46	J
Aroclor 1260 (PCB-1260)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 07:46	J
Aroclor 1262 (PCB-1262)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 07:46	J
Aroclor 1268 (PCB-1268)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 07:46	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8141B)									
Atrazine	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J
Azinphos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J
Chlorpyrifos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J
Chlorpyrifos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215004 **Date Collected:** 07/30/2024 10:40 **Matrix:** Water
Sample ID: TMW-8 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J
Demeton-O	0.10U	ug/L	0.050	0.10	0.20	1	08/05/2024 09:00	08/16/2024 19:50	J
Demeton-S	0.10U	ug/L	0.050	0.10	0.20	1	08/05/2024 09:00	08/16/2024 19:50	J
Diazinon	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J
Dimethoate	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J
Disulfoton	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J
Ethion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J
Ethoprop	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J
Famphur	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J
Fensulfothion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J
Fonophos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J
Malathion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J
Merphos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J
Methyl Parathion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J
Mevinphos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J
Parathion (Ethyl)	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J
Phorate	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J
Phosmet	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J
Ronnel	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J
Simazine	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J
Sulfotep	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 19:50	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
2,4,6-Trichlorophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
2,4-Dichlorophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
2,4-Dimethylphenol	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:05	J
2,4-Dinitrophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215004 **Date Collected:** 07/30/2024 10:40 **Matrix:** Water
Sample ID: TMW-8 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:05	J
2,6-Dinitrotoluene (2,6-DNT)	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:05	J
2-Chloronaphthalene	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
2-Chlorophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
2-Methyl-4,6-dinitrophenol	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:05	J
2-Methylnaphthalene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:05	J
2-Methylphenol (o-Cresol)	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
2-Nitroaniline	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
2-Nitrophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
3+4-Methylphenol(mp-Cresol)	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:05	J
3,3`-Dichlorobenzidine	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:05	J
3-Nitroaniline	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
4-Bromophenyl Phenyl Ether	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
4-Chloro-3-methylphenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
4-Chloroaniline	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
4-Chlorophenyl Phenyl Ether	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:05	J
4-Nitroaniline	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
4-Nitrophenol	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:05	J
Acenaphthene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:05	J
Acenaphthylene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:05	J
Acetophenone	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
Anthracene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:05	J
Atrazine	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:05	J
Benzaldehyde	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:05	J
Benzo[a]anthracene	0.22U	ug/L	0.11	0.22	0.89	1	08/05/2024 09:00	08/19/2024 18:05	J
Benzo[a]pyrene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:05	J
Benzo[b]fluoranthene	0.22U	ug/L	0.11	0.22	0.89	1	08/05/2024 09:00	08/19/2024 18:05	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215004 **Date Collected:** 07/30/2024 10:40 **Matrix:** Water
Sample ID: TMW-8 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:05	J
Benzo[k]fluoranthene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:05	J
Biphenyl	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:05	J
Butyl benzyl phthalate	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:05	J
Caprolactam	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:05	J
Carbazole	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:05	J
Chrysene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:05	J
Di-n-Butyl Phthalate	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:05	J
Di-n-octyl Phthalate	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:05	J
Dibenzo[a,h]anthracene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:05	J
Dibenzofuran	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:05	J
Diethyl phthalate	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
Dimethyl phthalate	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
Fluoranthene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:05	J
Fluorene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:05	J
Hexachlorobenzene	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
Hexachlorobutadiene	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
Hexachlorocyclopentadiene	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:05	J
Hexachloroethane	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
Indeno(1,2,3-cd)pyrene	0.22U	ug/L	0.11	0.22	0.89	1	08/05/2024 09:00	08/19/2024 18:05	J
Isophorone	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
N-Nitrosodi-n-propylamine	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:05	J
N-Nitrosodiphenylamine	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:05	J
Naphthalene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:05	J
Nitrobenzene	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
Pentachlorophenol	4.2U	ug/L	2.1	4.2	11	1	08/05/2024 09:00	08/19/2024 18:05	J
Phenanthrene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:05	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Lab ID: J2411215004 **Date Collected:** 07/30/2024 10:40 **Matrix:** Water
Sample ID: TMW-8 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
bis(2-Chloroethoxy)methane	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
bis(2-Chloroisopropyl) Ether	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:05	J
1,4-Dioxane	2.0U	ug/L	0.99	2.0	4.0	1	08/05/2024 12:00	08/20/2024 00:42	J
VOLATILES (SW-846 5030B/DoD SW-846 8260C)									
1,1,2,2-Tetrachloroethane	0.40U	ug/L	0.20	0.40	1.0	1	08/02/2024 11:07	08/02/2024 16:48	J
1,1,2-Trichlorotrifluoroethane	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 16:48	J
1,1-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 16:48	J
1,2-Dibromo-3-Chloropropane	2.5U	ug/L	1.2	2.5	5.0	1	08/02/2024 11:07	08/02/2024 16:48	J
1,2-Dichloroethane	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 16:48	J
1,3-Dichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 16:48	J
1,4-Dichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 16:48	J
1,4-Dioxane	2.5U	ug/L	1.2	2.5	5.0	1	08/02/2024 11:07	08/02/2024 16:48	J
2-Butanone (MEK)	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 16:48	J
2-Hexanone	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 16:48	J
4-Methyl-2-pentanone (MIBK)	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Acetone	**5.5**	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 16:48	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215004 **Date Collected:** 07/30/2024 10:40 **Matrix:** Water
Sample ID: TMW-8 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Bromodichloromethane	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Bromoform	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Bromomethane	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Carbon Disulfide	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Carbon Tetrachloride	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Chlorobenzene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Chloroethane	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Chloroform	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Chloromethane	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Cyclohexane	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Dibromochloromethane	0.40U	ug/L	0.20	0.40	1.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Dichlorodifluoromethane	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Ethylbenzene	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Ethylene Dibromide (EDB)	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Isopropylbenzene	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Methyl Acetate	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Methyl Cyclohexane	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Methyl tert-butyl Ether (MTBE)	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Methylene Chloride	2.5U	ug/L	1.2	2.5	5.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Styrene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Tetrachloroethylene (PCE)	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Toluene	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Trichloroethene	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Trichlorofluoromethane	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Vinyl Chloride	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 16:48	J
Xylene (Total)	1.5U	ug/L	0.75	1.5	3.0	1	08/02/2024 11:07	08/02/2024 16:48	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215004 **Date Collected:** 07/30/2024 10:40 **Matrix:** Water
Sample ID: TMW-8 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 16:48	J
cis-1,3-Dichloropropene	0.40U	ug/L	0.20	0.40	1.0	1	08/02/2024 11:07	08/02/2024 16:48	J
trans-1,2-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 16:48	J
trans-1,3-Dichloropropylene	0.40U	ug/L	0.20	0.40	1.0	1	08/02/2024 11:07	08/02/2024 16:48	J

Analysis Results Comments

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	56	112	81 - 118	J
Toluene-d8 (S)	ug/L	50	49.80	100	89 - 112	J
Bromofluorobenzene (S)	ug/L	50	52.20	104	85 - 114	J
Nitrobenzene-d5 (S)	ug/L	22.20	16.20	73	55 - 111	J
Decachlorobiphenyl (S)	ug/L	0.50	0.3370	67	44 - 136	J
Tetrachloro-m-xylene (S)	ug/L	1	0.7030	70	61 - 119	J
Fluoranthene-d10 (S)	ug/L	111	75.50	68	49 - 126	J
2,4,6-Tribromophenol (S)	ug/L	111	63.90	58	43 - 140	J
Phenol-d6 (S)	ug/L	111	29.30	26	21 - 132	J
2-Fluorobiphenyl (S)	ug/L	111	46.20	**42**	44 - 119	J
2-Fluorophenol (S)	ug/L	111	31.50	28	19 - 119	J
Nitrobenzene-d5 (S)	ug/L	111	44.20	**40**	44 - 120	J
2-Methylnaphthalene-d10 (S)	ug/L	111	45.20	41	41 - 131	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
p-Terphenyl-d14 (S)	ug/L	111	70.70	64	50 - 134	J
Decachlorobiphenyl (S)	ug/L	0.50	0.2930	59	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	0.5860	59	44 - 124	J
Tributylphosphate (S)	ug/L	1	0.7370	74	48.50 - 121	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215005 **Date Collected:** 07/30/2024 13:00 **Matrix:** Water
Sample ID: TMW-5 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3010A/DoD SW-846 6020A)									
Antimony	2.0U	ug/L	1.0	2.0	4.0	1	08/12/2024 07:18	08/13/2024 02:13	J
Barium	**75**	ug/L	0.50	1.0	2.0	1	08/12/2024 07:18	08/13/2024 02:13	J
Cadmium	0.50U	ug/L	0.25	0.50	1.0	1	08/12/2024 07:18	08/13/2024 02:13	J
Copper	**4.8**	ug/L	1.0	2.0	4.0	1	08/12/2024 07:18	08/13/2024 02:13	J
Nickel	**39**	ug/L	1.2	2.5	5.0	1	08/12/2024 07:18	08/13/2024 02:13	J
Silver	1.0U	ug/L	0.50	1.0	2.0	1	08/12/2024 07:18	08/13/2024 02:13	J
Zinc	9.6J	ug/L	6.0	12	24	1	08/12/2024 07:18	08/13/2024 02:13	J
METALS (SW-846 7470A/DoD SW-846 7470A)									
Mercury	0.012J	ug/L	0.011	0.040	0.10	1	08/06/2024 08:42	08/06/2024 13:03	J
SEMIVOLATILES (SW-846 3510C/DOD SW-846 8081B)									
4,4`-DDD	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:02	J
4,4`-DDE	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:02	J
4,4`-DDT	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:02	J
Aldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	08/01/2024 15:00	08/05/2024 15:02	J
Chlordane (technical)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 15:02	J
Dieldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	08/01/2024 15:00	08/05/2024 15:02	J
Endosulfan I	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:02	J
Endosulfan II	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:02	J
Endosulfan Sulfate	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:02	J
Endrin	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:02	J
Endrin Aldehyde	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:02	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215005 **Date Collected:** 07/30/2024 13:00 **Matrix:** Water
Sample ID: TMW-5 **Date Received:** 08/01/2024 09:00

Parameter									
Heptachlor	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:02	J
Hexachlorobenzene	0.020U	ug/L	0.0080	0.020	0.040	1	08/01/2024 15:00	08/05/2024 15:02	J
Toxaphene	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 15:02	J
alpha-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:02	J
delta-BHC	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:02	J
gamma-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:02	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.25U	ug/L	0.12	0.25					
Aroclor 1221 (PCB-1221)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 19:08	J
Aroclor 1232 (PCB-1232)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 19:08	J
Aroclor 1242 (PCB-1242)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 19:08	J
Aroclor 1248 (PCB-1248)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 19:08	J
Aroclor 1254 (PCB-1254)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 19:08	J
Aroclor 1260 (PCB-1260)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 19:08	J
Aroclor 1262 (PCB-1262)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 19:08	J
Aroclor 1268 (PCB-1268)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 19:08	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8141B)									
Atrazine	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J
Azinphos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J
Chlorpyrifos	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J
Chlorpyrifos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215005 **Date Collected:** 07/30/2024 13:00 **Matrix:** Water
Sample ID: TMW-5 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J
Demeton-O	0.10U	ug/L	0.050	0.10	0.20	1	08/01/2024 15:00	08/08/2024 23:21	J
Demeton-S	0.10U	ug/L	0.050	0.10	0.20	1	08/01/2024 15:00	08/08/2024 23:21	J
Diazinon	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J
Dimethoate	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J
Disulfoton	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J
Ethion	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J
Ethoprop	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J
Famphur	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J
Fensulfothion	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J
Fonophos	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J
Malathion	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J
Merphos	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J
Methyl Parathion	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J
Mevinphos	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J
Parathion (Ethyl)	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J
Phorate	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J
Phosmet	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J
Ronnel	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J
Simazine	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J
Sulfotep	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:21	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
2,4,6-Trichlorophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
2,4-Dichlorophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
2,4-Dimethylphenol	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:44	J
2,4-Dinitrophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215005 **Date Collected:** 07/30/2024 13:00 **Matrix:** Water
Sample ID: TMW-5 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:44	J
2,6-Dinitrotoluene (2,6-DNT)	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:44	J
2-Chloronaphthalene	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
2-Chlorophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
2-Methyl-4,6-dinitrophenol	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:44	J
2-Methylnaphthalene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:44	J
2-Methylphenol (o-Cresol)	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
2-Nitroaniline	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
2-Nitrophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
3+4-Methylphenol(mp-Cresol)	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:44	J
3,3`-Dichlorobenzidine	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:44	J
3-Nitroaniline	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
4-Bromophenyl Phenyl Ether	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
4-Chloro-3-methylphenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
4-Chloroaniline	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
4-Chlorophenyl Phenyl Ether	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:44	J
4-Nitroaniline	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
4-Nitrophenol	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:44	J
Acenaphthene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:44	J
Acenaphthylene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:44	J
Acetophenone	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
Anthracene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:44	J
Atrazine	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:44	J
Benzaldehyde	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:44	J
Benzo[a]anthracene	0.22U	ug/L	0.11	0.22	0.89	1	08/05/2024 09:00	08/19/2024 18:44	J
Benzo[a]pyrene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:44	J
Benzo[b]fluoranthene	0.22U	ug/L	0.11	0.22	0.89	1	08/05/2024 09:00	08/19/2024 18:44	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215005 **Date Collected:** 07/30/2024 13:00 **Matrix:** Water
Sample ID: TMW-5 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:44	J
Benzo[k]fluoranthene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:44	J
Biphenyl	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:44	J
Butyl benzyl phthalate	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:44	J
Caprolactam	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:44	J
Carbazole	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:44	J
Chrysene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:44	J
Di-n-Butyl Phthalate	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:44	J
Di-n-octyl Phthalate	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:44	J
Dibenzo[a,h]anthracene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:44	J
Dibenzofuran	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:44	J
Diethyl phthalate	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
Dimethyl phthalate	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
Fluoranthene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:44	J
Fluorene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:44	J
Hexachlorobenzene	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
Hexachlorobutadiene	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
Hexachlorocyclopentadiene	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:44	J
Hexachloroethane	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
Indeno(1,2,3-cd)pyrene	0.22U	ug/L	0.11	0.22	0.89	1	08/05/2024 09:00	08/19/2024 18:44	J
Isophorone	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
N-Nitrosodi-n-propylamine	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:44	J
N-Nitrosodiphenylamine	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:44	J
Naphthalene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:44	J
Nitrobenzene	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
Pentachlorophenol	4.2U	ug/L	2.1	4.2	11	1	08/05/2024 09:00	08/19/2024 18:44	J
Phenanthrene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:44	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215005 **Date Collected:** 07/30/2024 13:00 **Matrix:** Water
Sample ID: TMW-5 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Phenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
Pyrene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 18:44	J
bis(2-Chloroethoxy)methane	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
bis(2-Chloroethyl)Ether	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
bis(2-Chloroisopropyl) Ether	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 18:44	J
bis(2-Ethylhexyl) phthalate	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 18:44	J
VOLATILES (SW-846 3510C/DOD SW-846 8270D SIM)									
1,4-Dioxane	2.1U	ug/L	1.0	2.1	4.1	1	08/05/2024 12:00	08/20/2024 01:07	J
VOLATILES (SW-846 5030B/DoD SW-846 8260C)									
1,1,1-Trichloroethane	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J
1,1,2,2-Tetrachloroethane	0.40U	ug/L	0.20	0.40	1.0	1	08/02/2024 11:07	08/02/2024 17:12	J
1,1,2-Trichloroethane	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 17:12	J
1,1,2-Trichlorotrifluoroethane	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J
1,1-Dichloroethane	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 17:12	J
1,1-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J
1,2,4-Trichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J
1,2-Dibromo-3-Chloropropane	2.5U	ug/L	1.2	2.5	5.0	1	08/02/2024 11:07	08/02/2024 17:12	J
1,2-Dichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J
1,2-Dichloroethane	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 17:12	J
1,2-Dichloropropane	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 17:12	J
1,3-Dichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J
1,4-Dichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J
1,4-Dioxane	2.5U	ug/L	1.2	2.5	5.0	1	08/02/2024 11:07	08/02/2024 17:12	J
2-Butanone (MEK)	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 17:12	J
2-Hexanone	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J
4-Methyl-2-pentanone (MIBK)	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Acetone	**4.7**	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215005 **Date Collected:** 07/30/2024 13:00 **Matrix:** Water
Sample ID: TMW-5 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Bromodichloromethane	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Bromoform	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Bromomethane	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Carbon Disulfide	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Carbon Tetrachloride	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Chlorobenzene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Chloroethane	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Chloroform	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Chloromethane	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Cyclohexane	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Dibromochloromethane	0.40U	ug/L	0.20	0.40	1.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Dichlorodifluoromethane	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Ethylbenzene	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Ethylene Dibromide (EDB)	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Isopropylbenzene	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Methyl Acetate	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Methyl Cyclohexane	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Methyl tert-butyl Ether (MTBE)	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Methylene Chloride	2.5U	ug/L	1.2	2.5	5.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Styrene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Tetrachloroethylene (PCE)	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Toluene	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Trichloroethene	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Trichlorofluoromethane	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Vinyl Chloride	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 17:12	J
Xylene (Total)	1.5U	ug/L	0.75	1.5	3.0	1	08/02/2024 11:07	08/02/2024 17:12	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215005 **Date Collected:** 07/30/2024 13:00 **Matrix:** Water
Sample ID: TMW-5 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J
cis-1,3-Dichloropropene	0.40U	ug/L	0.20	0.40	1.0	1	08/02/2024 11:07	08/02/2024 17:12	J
trans-1,2-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 17:12	J
trans-1,3-Dichloropropylene	0.40U	ug/L	0.20	0.40	1.0	1	08/02/2024 11:07	08/02/2024 17:12	J

Analysis Results Comments

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	54.90	110	81 - 118	J
Toluene-d8 (S)	ug/L	50	48.70	97	89 - 112	J
Bromofluorobenzene (S)	ug/L	50	53.10	106	85 - 114	J
Nitrobenzene-d5 (S)	ug/L	22.70	15.60	68	55 - 111	J
Decachlorobiphenyl (S)	ug/L	0.50	0.3060	61	44 - 136	J
Tetrachloro-m-xylene (S)	ug/L	1	0.6740	67	61 - 119	J
2,4,6-Tribromophenol (S)	ug/L	111	70.20	63	43 - 140	J
Phenol-d6 (S)	ug/L	111	38.80	35	21 - 132	J
2-Fluorobiphenyl (S)	ug/L	111	59.80	54	44 - 119	J
2-Fluorophenol (S)	ug/L	111	41	37	19 - 119	J
Nitrobenzene-d5 (S)	ug/L	111	58.80	53	44 - 120	J
2-Methylnaphthalene-d10 (S)	ug/L	111	59.30	53	41 - 131	J
p-Terphenyl-d14 (S)	ug/L	111	73.10	66	50 - 134	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Fluoranthene-d10 (S)	ug/L	111	84.80	76	49 - 126	J
Decachlorobiphenyl (S)	ug/L	0.50	0.2910	58	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	0.6720	67	44 - 124	J
Tributylphosphate (S)	ug/L	1	0.6880	69	48.50 - 121	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215006 **Date Collected:** 07/31/2024 08:35 **Matrix:** Water
Sample ID: TMW-7 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3010A/DoD SW-846 6020A)									
Antimony	10U	ug/L	5.0	10	20	5	08/12/2024 07:18	08/15/2024 02:35	J
Barium	**93**	ug/L	2.5	5.0	10	5	08/12/2024 07:18	08/15/2024 02:35	J
Cadmium	2.5U	ug/L	1.2	2.5	5.0	5	08/12/2024 07:18	08/15/2024 02:35	J
Copper	**48**	ug/L	5.0	10	20	5	08/12/2024 07:18	08/15/2024 02:35	J
Nickel	**110**	ug/L	6.2	12	25	5	08/12/2024 07:18	08/15/2024 02:35	J
Silver	5.0U	ug/L	2.5	5.0	10	5	08/12/2024 07:18	08/15/2024 02:35	J
Zinc	46J	ug/L	30	60	120	5	08/12/2024 07:18	08/15/2024 02:35	J
METALS (SW-846 7470A/DoD SW-846 7470A)									
Mercury	0.077J	ug/L	0.011	0.040	0.10	1	08/06/2024 08:42	08/06/2024 13:06	J
SEMIVOLATILES (SW-846 3510C/DOD SW-846 8081B)									
4,4`-DDD	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:22	J
4,4`-DDE	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:22	J
4,4`-DDT	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:22	J
Aldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	08/01/2024 15:00	08/05/2024 15:22	J
Chlordane (technical)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 15:22	J
Dieldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	08/01/2024 15:00	08/05/2024 15:22	J
Endosulfan I	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:22	J
Endosulfan II	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:22	J
Endosulfan Sulfate	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:22	J
Endrin	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:22	J
Endrin Aldehyde	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:22	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215006 **Date Collected:** 07/31/2024 08:35 **Matrix:** Water
Sample ID: TMW-7 **Date Received:** 08/01/2024 09:00

Parameter									
Heptachlor	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:22	J
Hexachlorobenzene	0.020U	ug/L	0.0080	0.020	0.040	1	08/01/2024 15:00	08/05/2024 15:22	J
Toxaphene	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 15:22	J
alpha-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:22	J
delta-BHC	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:22	J
gamma-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 15:22	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.36U	ug/L	0.18	0.36					
Aroclor 1221 (PCB-1221)	0.36U	ug/L	0.18	0.36	0.71	1	08/05/2024 09:00	08/15/2024 08:06	J
Aroclor 1232 (PCB-1232)	0.36U	ug/L	0.18	0.36	0.71	1	08/05/2024 09:00	08/15/2024 08:06	J
Aroclor 1242 (PCB-1242)	0.36U	ug/L	0.18	0.36	0.71	1	08/05/2024 09:00	08/15/2024 08:06	J
Aroclor 1248 (PCB-1248)	0.36U	ug/L	0.18	0.36	0.71	1	08/05/2024 09:00	08/15/2024 08:06	J
Aroclor 1254 (PCB-1254)	0.36U	ug/L	0.18	0.36	0.71	1	08/05/2024 09:00	08/15/2024 08:06	J
Aroclor 1260 (PCB-1260)	0.36U	ug/L	0.18	0.36	0.71	1	08/05/2024 09:00	08/15/2024 08:06	J
Aroclor 1262 (PCB-1262)	0.36U	ug/L	0.18	0.36	0.71	1	08/05/2024 09:00	08/15/2024 08:06	J
Aroclor 1268 (PCB-1268)	0.36U	ug/L	0.18	0.36	0.71	1	08/05/2024 09:00	08/15/2024 08:06	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8141B)									
Atrazine	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J
Azinphos-methyl	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J
Chlorpyrifos	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J
Chlorpyrifos-methyl	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215006 **Date Collected:** 07/31/2024 08:35 **Matrix:** Water
Sample ID: TMW-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J
Demeton-O	0.14U	ug/L	0.071	0.14	0.29	1	08/05/2024 09:00	08/16/2024 20:20	J
Demeton-S	0.14U	ug/L	0.071	0.14	0.29	1	08/05/2024 09:00	08/16/2024 20:20	J
Diazinon	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J
Dimethoate	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J
Disulfoton	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J
Ethion	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J
Ethoprop	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J
Famphur	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J
Fensulfothion	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J
Fonophos	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J
Malathion	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J
Merphos	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J
Methyl Parathion	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J
Mevinphos	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J
Parathion (Ethyl)	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J
Phorate	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J
Phosmet	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J
Ronnel	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J
Simazine	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J
Sulfotep	0.29U	ug/L	0.14	0.29	0.57	1	08/05/2024 09:00	08/16/2024 20:20	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
2,4,6-Trichlorophenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
2,4-Dichlorophenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
2,4-Dimethylphenol	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 19:24	J
2,4-Dinitrophenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215006 **Date Collected:** 07/31/2024 08:35 **Matrix:** Water
Sample ID: TMW-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 19:24	J
2,6-Dinitrotoluene (2,6-DNT)	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 19:24	J
2-Chloronaphthalene	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
2-Chlorophenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
2-Methyl-4,6-dinitrophenol	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 19:24	J
2-Methylnaphthalene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 19:24	J
2-Methylphenol (o-Cresol)	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
2-Nitroaniline	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
2-Nitrophenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
3+4-Methylphenol(mp-Cresol)	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 19:24	J
3,3`-Dichlorobenzidine	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 19:24	J
3-Nitroaniline	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
4-Bromophenyl Phenyl Ether	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
4-Chloro-3-methylphenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
4-Chloroaniline	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
4-Chlorophenyl Phenyl Ether	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 19:24	J
4-Nitroaniline	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
4-Nitrophenol	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 19:24	J
Acenaphthene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 19:24	J
Acenaphthylene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 19:24	J
Acetophenone	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
Anthracene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 19:24	J
Atrazine	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 19:24	J
Benzaldehyde	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 19:24	J
Benzo[a]anthracene	0.22U	ug/L	0.11	0.22	0.91	1	08/05/2024 09:00	08/19/2024 19:24	J
Benzo[a]pyrene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 19:24	J
Benzo[b]fluoranthene	0.22U	ug/L	0.11	0.22	0.91	1	08/05/2024 09:00	08/19/2024 19:24	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215006 **Date Collected:** 07/31/2024 08:35 **Matrix:** Water
Sample ID: TMW-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 19:24	J
Benzo[k]fluoranthene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 19:24	J
Biphenyl	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 19:24	J
Butyl benzyl phthalate	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 19:24	J
Caprolactam	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 19:24	J
Carbazole	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 19:24	J
Chrysene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 19:24	J
Di-n-Butyl Phthalate	14J	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 19:24	J
Di-n-octyl Phthalate	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 19:24	J
Dibenzo[a,h]anthracene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 19:24	J
Dibenzofuran	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 19:24	J
Diethyl phthalate	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
Dimethyl phthalate	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
Fluoranthene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 19:24	J
Fluorene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 19:24	J
Hexachlorobenzene	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
Hexachlorobutadiene	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
Hexachlorocyclopentadiene	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 19:24	J
Hexachloroethane	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
Indeno(1,2,3-cd)pyrene	0.22U	ug/L	0.11	0.22	0.91	1	08/05/2024 09:00	08/19/2024 19:24	J
Isophorone	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
N-Nitrosodi-n-propylamine	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 19:24	J
N-Nitrosodiphenylamine	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 19:24	J
Naphthalene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 19:24	J
Nitrobenzene	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
Pentachlorophenol	4.3U	ug/L	2.2	4.3	11	1	08/05/2024 09:00	08/19/2024 19:24	J
Phenanthrene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 19:24	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Lab ID: J2411215006 **Date Collected:** 07/31/2024 08:35 **Matrix:** Water
Sample ID: TMW-7 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
bis(2-Chloroethoxy)methane	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
bis(2-Chloroisopropyl) Ether	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 19:24	J
1,4-Dioxane	2.0U	ug/L	0.99	2.0	4.0	1	08/05/2024 12:00	08/20/2024 01:32	J
VOLATILES (SW-846 5030B/DoD SW-846 8260C)									
1,1,2,2-Tetrachloroethane	1.2U	ug/L	0.60	1.2	3.0	3	08/02/2024 11:07	08/02/2024 17:37	J
1,1,2-Trichlorotrifluoroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 17:37	J
1,1-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 17:37	J
1,2-Dibromo-3-Chloropropane	7.5U	ug/L	3.8	7.5	15	3	08/02/2024 11:07	08/02/2024 17:37	J
1,2-Dichloroethane	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 17:37	J
1,3-Dichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 17:37	J
1,4-Dichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 17:37	J
1,4-Dioxane	7.5U	ug/L	3.8	7.5	15	3	08/02/2024 11:07	08/02/2024 17:37	J
2-Butanone (MEK)	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 17:37	J
2-Hexanone	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 17:37	J
4-Methyl-2-pentanone (MIBK)	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Acetone	**19**	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 17:37	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215006 **Date Collected:** 07/31/2024 08:35 **Matrix:** Water
Sample ID: TMW-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Bromodichloromethane	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Bromoform	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Bromomethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Carbon Disulfide	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Carbon Tetrachloride	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Chlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Chloroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Chloroform	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Chloromethane	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Cyclohexane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Dibromochloromethane	1.2U	ug/L	0.60	1.2	3.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Dichlorodifluoromethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Ethylbenzene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Ethylene Dibromide (EDB)	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Isopropylbenzene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Methyl Acetate	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Methyl Cyclohexane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Methyl tert-butyl Ether (MTBE)	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Methylene Chloride	7.5U	ug/L	3.8	7.5	15	3	08/02/2024 11:07	08/02/2024 17:37	J
Styrene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Tetrachloroethylene (PCE)	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Toluene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Trichloroethene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Trichlorofluoromethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Vinyl Chloride	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 17:37	J
Xylene (Total)	4.5U	ug/L	2.2	4.5	9.0	3	08/02/2024 11:07	08/02/2024 17:37	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215006 **Date Collected:** 07/31/2024 08:35 **Matrix:** Water
Sample ID: TMW-7 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 17:37	J
cis-1,3-Dichloropropene	1.2U	ug/L	0.60	1.2	3.0	3	08/02/2024 11:07	08/02/2024 17:37	J
trans-1,2-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 17:37	J
trans-1,3-Dichloropropylene	1.2U	ug/L	0.60	1.2	3.0	3	08/02/2024 11:07	08/02/2024 17:37	J

Analysis Results Comments

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	150	174	116	81 - 118	J
Toluene-d8 (S)	ug/L	150	147	98	89 - 112	J
Bromofluorobenzene (S)	ug/L	150	164	109	85 - 114	J
Nitrobenzene-d5 (S)	ug/L	22.20	17.50	79	55 - 111	J
Decachlorobiphenyl (S)	ug/L	0.7140	0.4450	62	44 - 136	J
Tetrachloro-m-xylene (S)	ug/L	1.43	1.18	83	61 - 119	J
2,4,6-Tribromophenol (S)	ug/L	114	67.70	60	43 - 140	J
Phenol-d6 (S)	ug/L	114	43.60	38	21 - 132	J
2-Fluorobiphenyl (S)	ug/L	114	59.50	52	44 - 119	J
2-Fluorophenol (S)	ug/L	114	48.30	43	19 - 119	J
Nitrobenzene-d5 (S)	ug/L	114	58.60	52	44 - 120	J
2-Methylnaphthalene-d10 (S)	ug/L	114	60	53	41 - 131	J
p-Terphenyl-d14 (S)	ug/L	114	64.80	57	50 - 134	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Fluoranthene-d10 (S)	ug/L	114	76.60	67	49 - 126	J
Decachlorobiphenyl (S)	ug/L	0.50	0.2140	**43**	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	0.76	76	44 - 124	J
Tributylphosphate (S)	ug/L	1.43	1.01	70	48.50 - 121	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215007 **Date Collected:** 07/31/2024 09:30 **Matrix:** Water
Sample ID: TMW-9 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3010A/DoD SW-846 6020A)									
Antimony	2.0U	ug/L	1.0	2.0	4.0	1	08/14/2024 07:05	08/15/2024 03:04	J
Barium	**240**	ug/L	2.5	5.0	10	5	08/14/2024 07:05	08/15/2024 22:47	J
Cadmium	5.0U	ug/L	2.5	5.0	10	10	08/14/2024 07:05	08/15/2024 22:41	J
Copper	**120**	ug/L	10	20	40	10	08/14/2024 07:05	08/15/2024 22:41	J
Nickel	**68**	ug/L	12	25	50	10	08/14/2024 07:05	08/15/2024 22:41	J
Silver	10U	ug/L	5.0	10	20	10	08/14/2024 07:05	08/15/2024 22:41	J
Zinc	69J	ug/L	60	120	240	10	08/14/2024 07:05	08/16/2024 19:43	J
METALS (SW-846 7470A/DoD SW-846 7470A)									
Mercury	**0.20**	ug/L	0.011	0.040	0.10	1	08/06/2024 08:42	08/06/2024 13:09	J
SEMIVOLATILES (SW-846 3510C/DOD SW-846 8081B)									
4,4`-DDD	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:24	J
4,4`-DDE	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:24	J
4,4`-DDT	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:24	J
Aldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	08/01/2024 15:00	08/05/2024 16:24	J
Chlordane (technical)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 16:24	J
Dieldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	08/01/2024 15:00	08/05/2024 16:24	J
Endosulfan I	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:24	J
Endosulfan II	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:24	J
Endosulfan Sulfate	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:24	J
Endrin	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:24	J
Endrin Aldehyde	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:24	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215007 **Date Collected:** 07/31/2024 09:30 **Matrix:** Water
Sample ID: TMW-9 **Date Received:** 08/01/2024 09:00

Parameter									
Heptachlor	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:24	J
Hexachlorobenzene	0.020U	ug/L	0.0080	0.020	0.040	1	08/01/2024 15:00	08/05/2024 16:24	J
Toxaphene	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 16:24	J
alpha-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:24	J
delta-BHC	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:24	J
gamma-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:24	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	2.5U	ug/L	1.2	2.5					
Aroclor 1221 (PCB-1221)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/15/2024 08:27	J
Aroclor 1232 (PCB-1232)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/15/2024 08:27	J
Aroclor 1242 (PCB-1242)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/15/2024 08:27	J
Aroclor 1248 (PCB-1248)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/15/2024 08:27	J
Aroclor 1254 (PCB-1254)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/15/2024 08:27	J
Aroclor 1260 (PCB-1260)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/15/2024 08:27	J
Aroclor 1262 (PCB-1262)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/15/2024 08:27	J
Aroclor 1268 (PCB-1268)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/15/2024 08:27	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8141B)									
Atrazine	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J
Azinphos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J
Chlorpyrifos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J
Chlorpyrifos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215007 **Date Collected:** 07/31/2024 09:30 **Matrix:** Water
Sample ID: TMW-9 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J
Demeton-O	0.10U	ug/L	0.050	0.10	0.20	1	08/05/2024 09:00	08/16/2024 20:50	J
Demeton-S	0.10U	ug/L	0.050	0.10	0.20	1	08/05/2024 09:00	08/16/2024 20:50	J
Diazinon	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J
Dimethoate	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J
Disulfoton	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J
Ethion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J
Ethoprop	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J
Famphur	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J
Fensulfothion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J
Fonophos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J
Malathion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J
Merphos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J
Methyl Parathion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J
Mevinphos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J
Parathion (Ethyl)	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J
Phorate	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J
Phosmet	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J
Ronnel	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J
Simazine	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J
Sulfotep	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 20:50	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
2,4,6-Trichlorophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
2,4-Dichlorophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
2,4-Dimethylphenol	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:04	J
2,4-Dinitrophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215007 **Date Collected:** 07/31/2024 09:30 **Matrix:** Water
Sample ID: TMW-9 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:04	J
2,6-Dinitrotoluene (2,6-DNT)	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:04	J
2-Chloronaphthalene	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
2-Chlorophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
2-Methyl-4,6-dinitrophenol	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:04	J
2-Methylnaphthalene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:04	J
2-Methylphenol (o-Cresol)	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
2-Nitroaniline	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
2-Nitrophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
3+4-Methylphenol(mp-Cresol)	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:04	J
3,3`-Dichlorobenzidine	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:04	J
3-Nitroaniline	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
4-Bromophenyl Phenyl Ether	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
4-Chloro-3-methylphenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
4-Chloroaniline	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
4-Chlorophenyl Phenyl Ether	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:04	J
4-Nitroaniline	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
4-Nitrophenol	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:04	J
Acenaphthene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:04	J
Acenaphthylene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:04	J
Acetophenone	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
Anthracene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:04	J
Atrazine	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:04	J
Benzaldehyde	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:04	J
Benzo[a]anthracene	0.22U	ug/L	0.11	0.22	0.89	1	08/05/2024 09:00	08/19/2024 20:04	J
Benzo[a]pyrene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:04	J
Benzo[b]fluoranthene	0.22U	ug/L	0.11	0.22	0.89	1	08/05/2024 09:00	08/19/2024 20:04	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215007 **Date Collected:** 07/31/2024 09:30 **Matrix:** Water
Sample ID: TMW-9 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:04	J
Benzo[k]fluoranthene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:04	J
Biphenyl	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:04	J
Butyl benzyl phthalate	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:04	J
Caprolactam	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:04	J
Carbazole	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:04	J
Chrysene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:04	J
Di-n-Butyl Phthalate	8.6J	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:04	J
Di-n-octyl Phthalate	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:04	J
Dibenzo[a,h]anthracene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:04	J
Dibenzofuran	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:04	J
Diethyl phthalate	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
Dimethyl phthalate	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
Fluoranthene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:04	J
Fluorene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:04	J
Hexachlorobenzene	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
Hexachlorobutadiene	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
Hexachlorocyclopentadiene	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:04	J
Hexachloroethane	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
Indeno(1,2,3-cd)pyrene	0.22U	ug/L	0.11	0.22	0.89	1	08/05/2024 09:00	08/19/2024 20:04	J
Isophorone	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
N-Nitrosodi-n-propylamine	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:04	J
N-Nitrosodiphenylamine	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:04	J
Naphthalene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:04	J
Nitrobenzene	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
Pentachlorophenol	4.2U	ug/L	2.1	4.2	11	1	08/05/2024 09:00	08/19/2024 20:04	J
Phenanthrene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:04	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Lab ID: J2411215007 **Date Collected:** 07/31/2024 09:30 **Matrix:** Water
Sample ID: TMW-9 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
bis(2-Chloroethoxy)methane	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
bis(2-Chloroisopropyl) Ether	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:04	J
1,4-Dioxane	2.0U	ug/L	0.99	2.0	4.0	1	08/05/2024 12:00	08/20/2024 01:57	J
VOLATILES (SW-846 5030B/DoD SW-846 8260C)									
1,1,2,2-Tetrachloroethane	1.2U	ug/L	0.60	1.2	3.0	3	08/02/2024 11:07	08/02/2024 18:01	J
1,1,2-Trichlorotrifluoroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:01	J
1,1-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:01	J
1,2-Dibromo-3-Chloropropane	7.5U	ug/L	3.8	7.5	15	3	08/02/2024 11:07	08/02/2024 18:01	J
1,2-Dichloroethane	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:01	J
1,3-Dichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:01	J
1,4-Dichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:01	J
1,4-Dioxane	7.5U	ug/L	3.8	7.5	15	3	08/02/2024 11:07	08/02/2024 18:01	J
2-Butanone (MEK)	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:01	J
2-Hexanone	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:01	J
4-Methyl-2-pentanone (MIBK)	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Acetone	3.0J	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:01	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215007 **Date Collected:** 07/31/2024 09:30 **Matrix:** Water
Sample ID: TMW-9 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Bromodichloromethane	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Bromoform	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Bromomethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Carbon Disulfide	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Carbon Tetrachloride	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Chlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Chloroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Chloroform	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Chloromethane	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Cyclohexane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Dibromochloromethane	1.2U	ug/L	0.60	1.2	3.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Dichlorodifluoromethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Ethylbenzene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Ethylene Dibromide (EDB)	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Isopropylbenzene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Methyl Acetate	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Methyl Cyclohexane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Methyl tert-butyl Ether (MTBE)	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Methylene Chloride	7.5U	ug/L	3.8	7.5	15	3	08/02/2024 11:07	08/02/2024 18:01	J
Styrene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Tetrachloroethylene (PCE)	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Toluene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Trichloroethene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Trichlorofluoromethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Vinyl Chloride	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:01	J
Xylene (Total)	4.5U	ug/L	2.2	4.5	9.0	3	08/02/2024 11:07	08/02/2024 18:01	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215007 **Date Collected:** 07/31/2024 09:30 **Matrix:** Water
Sample ID: TMW-9 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:01	J
cis-1,3-Dichloropropene	1.2U	ug/L	0.60	1.2	3.0	3	08/02/2024 11:07	08/02/2024 18:01	J
trans-1,2-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:01	J
trans-1,3-Dichloropropylene	1.2U	ug/L	0.60	1.2	3.0	3	08/02/2024 11:07	08/02/2024 18:01	J

Analysis Results Comments

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	150	169	113	81 - 118	J
Toluene-d8 (S)	ug/L	150	147	98	89 - 112	J
Bromofluorobenzene (S)	ug/L	150	160	107	85 - 114	J
Nitrobenzene-d5 (S)	ug/L	22.20	15.70	71	55 - 111	J
Decachlorobiphenyl (S)	ug/L	0.50	0.1550	**31**	44 - 136	J
Tetrachloro-m-xylene (S)	ug/L	1	0.6510	65	61 - 119	J
2,4,6-Tribromophenol (S)	ug/L	111	48.60	44	43 - 140	J
Phenol-d6 (S)	ug/L	111	24.90	22	21 - 132	J
2-Fluorobiphenyl (S)	ug/L	111	35.80	**32**	44 - 119	J
2-Fluorophenol (S)	ug/L	111	27.60	25	19 - 119	J
Nitrobenzene-d5 (S)	ug/L	111	35.10	**32**	44 - 120	J
2-Methylnaphthalene-d10 (S)	ug/L	111	36.20	**33**	41 - 131	J
p-Terphenyl-d14 (S)	ug/L	111	54.80	**49**	50 - 134	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Fluoranthene-d10 (S)	ug/L	111	60.20	54	49 - 126	J
Decachlorobiphenyl (S)	ug/L	0.50	0.20	**40**	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	0.65	65	44 - 124	J
Tributylphosphate (S)	ug/L	1	0.6980	70	48.50 - 121	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215008 **Date Collected:** 07/31/2024 11:15 **Matrix:** Water
Sample ID: TMW-10 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3010A/DoD SW-846 6020A)									
Antimony	2.0U	ug/L	1.0	2.0	4.0	1	08/14/2024 07:05	08/15/2024 03:09	J
Barium	**76**	ug/L	0.50	1.0	2.0	1	08/14/2024 07:05	08/15/2024 03:09	J
Cadmium	0.50U	ug/L	0.25	0.50	1.0	1	08/14/2024 07:05	08/15/2024 03:09	J
Copper	**27**	ug/L	1.0	2.0	4.0	1	08/14/2024 07:05	08/15/2024 03:09	J
Nickel	**51**	ug/L	1.2	2.5	5.0	1	08/14/2024 07:05	08/15/2024 03:09	J
Silver	1.0U	ug/L	0.50	1.0	2.0	1	08/14/2024 07:05	08/15/2024 03:09	J
Zinc	**37**	ug/L	6.0	12	24	1	08/14/2024 07:05	08/15/2024 03:09	J
METALS (SW-846 7470A/DoD SW-846 7470A)									
Mercury	0.061J	ug/L	0.011	0.040	0.10	1	08/06/2024 08:42	08/06/2024 13:12	J
SEMIVOLATILES (SW-846 3510C/DOD SW-846 8081B)									
4,4`-DDD	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:45	J
4,4`-DDE	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:45	J
4,4`-DDT	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:45	J
Aldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	08/01/2024 15:00	08/05/2024 16:45	J
Chlordane (technical)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 16:45	J
Dieldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	08/01/2024 15:00	08/05/2024 16:45	J
Endosulfan I	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:45	J
Endosulfan II	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:45	J
Endosulfan Sulfate	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:45	J
Endrin	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:45	J
Endrin Aldehyde	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:45	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215008 **Date Collected:** 07/31/2024 11:15 **Matrix:** Water
Sample ID: TMW-10 **Date Received:** 08/01/2024 09:00

Parameter									
Heptachlor	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:45	J
Hexachlorobenzene	0.020U	ug/L	0.0080	0.020	0.040	1	08/01/2024 15:00	08/05/2024 16:45	J
Toxaphene	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 16:45	J
alpha-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:45	J
delta-BHC	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:45	J
gamma-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 16:45	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.25U	ug/L	0.12	0.25					
Aroclor 1221 (PCB-1221)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 19:29	J
Aroclor 1232 (PCB-1232)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 19:29	J
Aroclor 1242 (PCB-1242)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 19:29	J
Aroclor 1248 (PCB-1248)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 19:29	J
Aroclor 1254 (PCB-1254)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 19:29	J
Aroclor 1260 (PCB-1260)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 19:29	J
Aroclor 1262 (PCB-1262)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 19:29	J
Aroclor 1268 (PCB-1268)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 19:29	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8141B)									
Atrazine	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J
Azinphos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J
Chlorpyrifos	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J
Chlorpyrifos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215008 **Date Collected:** 07/31/2024 11:15 **Matrix:** Water
Sample ID: TMW-10 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J
Demeton-O	0.10U	ug/L	0.050	0.10	0.20	1	08/01/2024 15:00	08/08/2024 23:52	J
Demeton-S	0.10U	ug/L	0.050	0.10	0.20	1	08/01/2024 15:00	08/08/2024 23:52	J
Diazinon	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J
Dimethoate	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J
Disulfoton	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J
Ethion	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J
Ethoprop	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J
Famphur	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J
Fensulfothion	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J
Fonophos	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J
Malathion	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J
Merphos	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J
Methyl Parathion	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J
Mevinphos	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J
Parathion (Ethyl)	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J
Phorate	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J
Phosmet	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J
Ronnel	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J
Simazine	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J
Sulfotep	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 23:52	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
2,4,6-Trichlorophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
2,4-Dichlorophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
2,4-Dimethylphenol	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:43	J
2,4-Dinitrophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215008 **Date Collected:** 07/31/2024 11:15 **Matrix:** Water
Sample ID: TMW-10 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:43	J
2,6-Dinitrotoluene (2,6-DNT)	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:43	J
2-Chloronaphthalene	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
2-Chlorophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
2-Methyl-4,6-dinitrophenol	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:43	J
2-Methylnaphthalene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:43	J
2-Methylphenol (o-Cresol)	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
2-Nitroaniline	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
2-Nitrophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
3+4-Methylphenol(mp-Cresol)	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:43	J
3,3`-Dichlorobenzidine	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:43	J
3-Nitroaniline	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
4-Bromophenyl Phenyl Ether	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
4-Chloro-3-methylphenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
4-Chloroaniline	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
4-Chlorophenyl Phenyl Ether	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:43	J
4-Nitroaniline	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
4-Nitrophenol	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:43	J
Acenaphthene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:43	J
Acenaphthylene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:43	J
Acetophenone	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
Anthracene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:43	J
Atrazine	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:43	J
Benzaldehyde	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:43	J
Benzo[a]anthracene	0.22U	ug/L	0.11	0.22	0.89	1	08/05/2024 09:00	08/19/2024 20:43	J
Benzo[a]pyrene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:43	J
Benzo[b]fluoranthene	0.22U	ug/L	0.11	0.22	0.89	1	08/05/2024 09:00	08/19/2024 20:43	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215008 **Date Collected:** 07/31/2024 11:15 **Matrix:** Water
Sample ID: TMW-10 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:43	J
Benzo[k]fluoranthene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:43	J
Biphenyl	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:43	J
Butyl benzyl phthalate	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:43	J
Caprolactam	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:43	J
Carbazole	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:43	J
Chrysene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:43	J
Di-n-Butyl Phthalate	12J	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:43	J
Di-n-octyl Phthalate	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:43	J
Dibenzo[a,h]anthracene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:43	J
Dibenzofuran	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:43	J
Diethyl phthalate	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
Dimethyl phthalate	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
Fluoranthene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:43	J
Fluorene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:43	J
Hexachlorobenzene	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
Hexachlorobutadiene	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
Hexachlorocyclopentadiene	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:43	J
Hexachloroethane	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
Indeno(1,2,3-cd)pyrene	0.22U	ug/L	0.11	0.22	0.89	1	08/05/2024 09:00	08/19/2024 20:43	J
Isophorone	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
N-Nitrosodi-n-propylamine	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:43	J
N-Nitrosodiphenylamine	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:43	J
Naphthalene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:43	J
Nitrobenzene	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
Pentachlorophenol	4.2U	ug/L	2.1	4.2	11	1	08/05/2024 09:00	08/19/2024 20:43	J
Phenanthrene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:43	J

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215008 **Date Collected:** 07/31/2024 11:15 **Matrix:** Water
Sample ID: TMW-10 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Phenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
Pyrene	0.44U	ug/L	0.22	0.44	0.89	1	08/05/2024 09:00	08/19/2024 20:43	J
bis(2-Chloroethoxy)methane	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
bis(2-Chloroethyl)Ether	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
bis(2-Chloroisopropyl) Ether	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/19/2024 20:43	J
bis(2-Ethylhexyl) phthalate	11U	ug/L	5.6	11	22	1	08/05/2024 09:00	08/19/2024 20:43	J
VOLATILES (SW-846 3510C/DOD SW-846 8270D SIM)									
1,4-Dioxane	2.1U	ug/L	1.0	2.1	4.1	1	08/05/2024 12:00	08/20/2024 02:22	J
VOLATILES (SW-846 5030B/DoD SW-846 8260C)									
1,1,1-Trichloroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J
1,1,2,2-Tetrachloroethane	1.2U	ug/L	0.60	1.2	3.0	3	08/02/2024 11:07	08/02/2024 18:26	J
1,1,2-Trichloroethane	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:26	J
1,1,2-Trichlorotrifluoroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J
1,1-Dichloroethane	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:26	J
1,1-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J
1,2,4-Trichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J
1,2-Dibromo-3-Chloropropane	7.5U	ug/L	3.8	7.5	15	3	08/02/2024 11:07	08/02/2024 18:26	J
1,2-Dichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J
1,2-Dichloroethane	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:26	J
1,2-Dichloropropane	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:26	J
1,3-Dichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J
1,4-Dichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J
1,4-Dioxane	7.5U	ug/L	3.8	7.5	15	3	08/02/2024 11:07	08/02/2024 18:26	J
2-Butanone (MEK)	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:26	J
2-Hexanone	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J
4-Methyl-2-pentanone (MIBK)	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Acetone	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215008 **Date Collected:** 07/31/2024 11:15 **Matrix:** Water
Sample ID: TMW-10 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Bromodichloromethane	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Bromoform	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Bromomethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Carbon Disulfide	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Carbon Tetrachloride	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Chlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Chloroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Chloroform	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Chloromethane	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Cyclohexane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Dibromochloromethane	1.2U	ug/L	0.60	1.2	3.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Dichlorodifluoromethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Ethylbenzene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Ethylene Dibromide (EDB)	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Isopropylbenzene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Methyl Acetate	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Methyl Cyclohexane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Methyl tert-butyl Ether (MTBE)	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Methylene Chloride	7.5U	ug/L	3.8	7.5	15	3	08/02/2024 11:07	08/02/2024 18:26	J
Styrene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Tetrachloroethylene (PCE)	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Toluene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Trichloroethene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Trichlorofluoromethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Vinyl Chloride	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:26	J
Xylene (Total)	4.5U	ug/L	2.2	4.5	9.0	3	08/02/2024 11:07	08/02/2024 18:26	J

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215008 **Date Collected:** 07/31/2024 11:15 **Matrix:** Water
Sample ID: TMW-10 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J
cis-1,3-Dichloropropene	1.2U	ug/L	0.60	1.2	3.0	3	08/02/2024 11:07	08/02/2024 18:26	J
trans-1,2-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:26	J
trans-1,3-Dichloropropylene	1.2U	ug/L	0.60	1.2	3.0	3	08/02/2024 11:07	08/02/2024 18:26	J

Analysis Results Comments

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	150	173	115	81 - 118	J
Toluene-d8 (S)	ug/L	150	149	99	89 - 112	J
Bromofluorobenzene (S)	ug/L	150	158	106	85 - 114	J
Nitrobenzene-d5 (S)	ug/L	22.70	16.50	73	55 - 111	J
Decachlorobiphenyl (S)	ug/L	0.50	0.2380	48	44 - 136	J
Tetrachloro-m-xylene (S)	ug/L	1	0.8190	82	61 - 119	J
Fluoranthene-d10 (S)	ug/L	111	85	77	49 - 126	J
2,4,6-Tribromophenol (S)	ug/L	111	64.90	58	43 - 140	J
Phenol-d6 (S)	ug/L	111	33.40	30	21 - 132	J
2-Fluorobiphenyl (S)	ug/L	111	43.50	**39**	44 - 119	J
2-Fluorophenol (S)	ug/L	111	37.40	34	19 - 119	J
Nitrobenzene-d5 (S)	ug/L	111	47.40	**43**	44 - 120	J
2-Methylnaphthalene-d10 (S)	ug/L	111	47.20	42	41 - 131	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
p-Terphenyl-d14 (S)	ug/L	111	72.90	66	50 - 134	J
Decachlorobiphenyl (S)	ug/L	0.50	0.2580	52	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	0.8220	82	44 - 124	J
Tributylphosphate (S)	ug/L	1	0.7680	77	48.50 - 121	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215009 **Date Collected:** 07/31/2024 10:30 **Matrix:** Water
Sample ID: TMW-4 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3010A/DoD SW-846 6020A)									
Antimony	2.0U	ug/L	1.0	2.0	4.0	1	08/14/2024 07:05	08/15/2024 03:15	J
Barium	**540**	ug/L	5.0	10	20	10	08/14/2024 07:05	08/15/2024 22:58	J
Cadmium	0.50U	ug/L	0.25	0.50	1.0	1	08/14/2024 07:05	08/15/2024 03:15	J
Copper	10U	ug/L	5.0	10	20	5	08/14/2024 07:05	08/15/2024 23:04	J
Nickel	**31**	ug/L	6.2	12	25	5	08/14/2024 07:05	08/15/2024 23:04	J
Silver	1.0U	ug/L	0.50	1.0	2.0	1	08/14/2024 07:05	08/15/2024 03:15	J
Zinc	60U	ug/L	30	60	120	5	08/14/2024 07:05	08/16/2024 19:48	J
METALS (SW-846 7470A/DoD SW-846 7470A)									
Mercury	0.018J	ug/L	0.011	0.040	0.10	1	08/06/2024 08:42	08/06/2024 13:15	J
SEMIVOLATILES (SW-846 3510C/DOD SW-846 8081B)									
4,4`-DDD	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:05	J
4,4`-DDE	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:05	J
4,4`-DDT	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:05	J
Aldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	08/01/2024 15:00	08/05/2024 17:05	J
Chlordane (technical)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 17:05	J
Dieldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	08/01/2024 15:00	08/05/2024 17:05	J
Endosulfan I	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:05	J
Endosulfan II	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:05	J
Endosulfan Sulfate	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:05	J
Endrin	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:05	J
Endrin Aldehyde	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:05	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215009 **Date Collected:** 07/31/2024 10:30 **Matrix:** Water
Sample ID: TMW-4 **Date Received:** 08/01/2024 09:00

Parameter									
Heptachlor	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:05	J
Hexachlorobenzene	0.020U	ug/L	0.0080	0.020	0.040	1	08/01/2024 15:00	08/05/2024 17:05	J
Toxaphene	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 17:05	J
alpha-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:05	J
delta-BHC	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:05	J
gamma-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:05	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.25U	ug/L	0.12	0.25					
Aroclor 1221 (PCB-1221)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 08:47	J
Aroclor 1232 (PCB-1232)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 08:47	J
Aroclor 1242 (PCB-1242)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 08:47	J
Aroclor 1248 (PCB-1248)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 08:47	J
Aroclor 1254 (PCB-1254)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 08:47	J
Aroclor 1260 (PCB-1260)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 08:47	J
Aroclor 1262 (PCB-1262)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 08:47	J
Aroclor 1268 (PCB-1268)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 08:47	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8141B)									
Atrazine	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J
Azinphos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J
Chlorpyrifos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J
Chlorpyrifos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215009 **Date Collected:** 07/31/2024 10:30 **Matrix:** Water
Sample ID: TMW-4 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J
Demeton-O	0.10U	ug/L	0.050	0.10	0.20	1	08/05/2024 09:00	08/16/2024 21:21	J
Demeton-S	0.10U	ug/L	0.050	0.10	0.20	1	08/05/2024 09:00	08/16/2024 21:21	J
Diazinon	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J
Dimethoate	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J
Disulfoton	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J
Ethion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J
Ethoprop	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J
Famphur	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J
Fensulfothion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J
Fonophos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J
Malathion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J
Merphos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J
Methyl Parathion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J
Mevinphos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J
Parathion (Ethyl)	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J
Phorate	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J
Phosmet	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J
Ronnel	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J
Simazine	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J
Sulfotep	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:21	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
2,4,6-Trichlorophenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
2,4-Dichlorophenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
2,4-Dimethylphenol	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 21:22	J
2,4-Dinitrophenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215009 **Date Collected:** 07/31/2024 10:30 **Matrix:** Water
Sample ID: TMW-4 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 21:22	J
2,6-Dinitrotoluene (2,6-DNT)	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 21:22	J
2-Chloronaphthalene	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
2-Chlorophenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
2-Methyl-4,6-dinitrophenol	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 21:22	J
2-Methylnaphthalene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 21:22	J
2-Methylphenol (o-Cresol)	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
2-Nitroaniline	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
2-Nitrophenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
3+4-Methylphenol(mp-Cresol)	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 21:22	J
3,3`-Dichlorobenzidine	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 21:22	J
3-Nitroaniline	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
4-Bromophenyl Phenyl Ether	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
4-Chloro-3-methylphenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
4-Chloroaniline	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
4-Chlorophenyl Phenyl Ether	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 21:22	J
4-Nitroaniline	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
4-Nitrophenol	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 21:22	J
Acenaphthene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 21:22	J
Acenaphthylene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 21:22	J
Acetophenone	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
Anthracene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 21:22	J
Atrazine	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 21:22	J
Benzaldehyde	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 21:22	J
Benzo[a]anthracene	0.22U	ug/L	0.11	0.22	0.91	1	08/05/2024 09:00	08/19/2024 21:22	J
Benzo[a]pyrene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 21:22	J
Benzo[b]fluoranthene	0.22U	ug/L	0.11	0.22	0.91	1	08/05/2024 09:00	08/19/2024 21:22	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215009 **Date Collected:** 07/31/2024 10:30 **Matrix:** Water
Sample ID: TMW-4 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 21:22	J
Benzo[k]fluoranthene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 21:22	J
Biphenyl	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 21:22	J
Butyl benzyl phthalate	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 21:22	J
Caprolactam	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 21:22	J
Carbazole	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 21:22	J
Chrysene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 21:22	J
Di-n-Butyl Phthalate	21J	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 21:22	J
Di-n-octyl Phthalate	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 21:22	J
Dibenzo[a,h]anthracene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 21:22	J
Dibenzofuran	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 21:22	J
Diethyl phthalate	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
Dimethyl phthalate	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
Fluoranthene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 21:22	J
Fluorene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 21:22	J
Hexachlorobenzene	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
Hexachlorobutadiene	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
Hexachlorocyclopentadiene	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 21:22	J
Hexachloroethane	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
Indeno(1,2,3-cd)pyrene	0.22U	ug/L	0.11	0.22	0.91	1	08/05/2024 09:00	08/19/2024 21:22	J
Isophorone	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
N-Nitrosodi-n-propylamine	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 21:22	J
N-Nitrosodiphenylamine	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 21:22	J
Naphthalene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 21:22	J
Nitrobenzene	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
Pentachlorophenol	4.3U	ug/L	2.2	4.3	11	1	08/05/2024 09:00	08/19/2024 21:22	J
Phenanthrene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 21:22	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Lab ID: J2411215009 **Date Collected:** 07/31/2024 10:30 **Matrix:** Water
Sample ID: TMW-4 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
bis(2-Chloroethoxy)methane	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
bis(2-Chloroisopropyl) Ether	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 21:22	J
1,4-Dioxane	2.0U	ug/L	0.99	2.0	4.0	1	08/05/2024 12:00	08/20/2024 02:47	J
VOLATILES (SW-846 5030B/DoD SW-846 8260C)									
1,1,2,2-Tetrachloroethane	1.2U	ug/L	0.60	1.2	3.0	3	08/02/2024 11:07	08/02/2024 18:50	J
1,1,2-Trichlorotrifluoroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:50	J
1,1-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:50	J
1,2-Dibromo-3-Chloropropane	7.5U	ug/L	3.8	7.5	15	3	08/02/2024 11:07	08/02/2024 18:50	J
1,2-Dichloroethane	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:50	J
1,3-Dichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:50	J
1,4-Dichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:50	J
1,4-Dioxane	7.5U	ug/L	3.8	7.5	15	3	08/02/2024 11:07	08/02/2024 18:50	J
2-Butanone (MEK)	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:50	J
2-Hexanone	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:50	J
4-Methyl-2-pentanone (MIBK)	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Acetone	**6.8**	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:50	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215009 **Date Collected:** 07/31/2024 10:30 **Matrix:** Water
Sample ID: TMW-4 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Bromodichloromethane	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Bromoform	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Bromomethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Carbon Disulfide	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Carbon Tetrachloride	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Chlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Chloroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Chloroform	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Chloromethane	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Cyclohexane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Dibromochloromethane	1.2U	ug/L	0.60	1.2	3.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Dichlorodifluoromethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Ethylbenzene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Ethylene Dibromide (EDB)	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Isopropylbenzene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Methyl Acetate	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Methyl Cyclohexane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Methyl tert-butyl Ether (MTBE)	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Methylene Chloride	7.5U	ug/L	3.8	7.5	15	3	08/02/2024 11:07	08/02/2024 18:50	J
Styrene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Tetrachloroethylene (PCE)	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Toluene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Trichloroethene	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Trichlorofluoromethane	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Vinyl Chloride	1.5U	ug/L	0.75	1.5	3.0	3	08/02/2024 11:07	08/02/2024 18:50	J
Xylene (Total)	4.5U	ug/L	2.2	4.5	9.0	3	08/02/2024 11:07	08/02/2024 18:50	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215009 **Date Collected:** 07/31/2024 10:30 **Matrix:** Water
Sample ID: TMW-4 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:50	J
cis-1,3-Dichloropropene	1.2U	ug/L	0.60	1.2	3.0	3	08/02/2024 11:07	08/02/2024 18:50	J
trans-1,2-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/02/2024 11:07	08/02/2024 18:50	J
trans-1,3-Dichloropropylene	1.2U	ug/L	0.60	1.2	3.0	3	08/02/2024 11:07	08/02/2024 18:50	J

Analysis Results Comments

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	150	167	111	81 - 118	J
Toluene-d8 (S)	ug/L	150	149	100	89 - 112	J
Bromofluorobenzene (S)	ug/L	150	160	106	85 - 114	J
Nitrobenzene-d5 (S)	ug/L	22.20	16.40	74	55 - 111	J
Decachlorobiphenyl (S)	ug/L	0.50	0.1480	**30**	44 - 136	J
Tetrachloro-m-xylene (S)	ug/L	1	0.5210	**52**	61 - 119	J
2,4,6-Tribromophenol (S)	ug/L	114	69.40	61	43 - 140	J
Phenol-d6 (S)	ug/L	114	35.70	31	21 - 132	J
2-Fluorobiphenyl (S)	ug/L	114	54.90	48	44 - 119	J
2-Fluorophenol (S)	ug/L	114	41.80	37	19 - 119	J
Nitrobenzene-d5 (S)	ug/L	114	54.80	48	44 - 120	J
2-Methylnaphthalene-d10 (S)	ug/L	114	57	50	41 - 131	J
p-Terphenyl-d14 (S)	ug/L	114	72.30	64	50 - 134	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Fluoranthene-d10 (S)	ug/L	114	85.80	75	49 - 126	J
Decachlorobiphenyl (S)	ug/L	0.50	0.2360	**47**	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	0.7150	72	44 - 124	J
Tributylphosphate (S)	ug/L	1	0.6140	61	48.50 - 121	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215010 **Date Collected:** 07/24/2024 14:50 **Matrix:** Water
Sample ID: TMW-14 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3010A/DoD SW-846 6020A)									
Antimony	2.0U	ug/L	1.0	2.0	4.0	1	08/14/2024 07:05	08/15/2024 03:21	J
Barium	**150**	ug/L	1.0	2.0	4.0	2	08/14/2024 07:05	08/15/2024 23:09	J
Cadmium	0.50U	ug/L	0.25	0.50	1.0	1	08/14/2024 07:05	08/15/2024 03:21	J
Copper	2.5J	ug/L	1.0	2.0	4.0	1	08/14/2024 07:05	08/15/2024 03:21	J
Nickel	**8.9**	ug/L	1.2	2.5	5.0	1	08/14/2024 07:05	08/15/2024 03:21	J
Silver	1.0U	ug/L	0.50	1.0	2.0	1	08/14/2024 07:05	08/15/2024 03:21	J
Zinc	17J	ug/L	6.0	12	24	1	08/14/2024 07:05	08/15/2024 03:21	J
METALS (SW-846 7470A/DoD SW-846 7470A)									
Mercury	0.020J	ug/L	0.011	0.040	0.10	1	08/06/2024 08:42	08/06/2024 13:24	J
SEMIVOLATILES (SW-846 3510C/DOD SW-846 8081B)									
4,4`-DDD	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:26	J
4,4`-DDE	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:26	J
4,4`-DDT	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:26	J
Aldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	08/01/2024 15:00	08/05/2024 17:26	J
Chlordane (technical)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 17:26	J
Dieldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	08/01/2024 15:00	08/05/2024 17:26	J
Endosulfan I	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:26	J
Endosulfan II	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:26	J
Endosulfan Sulfate	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:26	J
Endrin	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:26	J
Endrin Aldehyde	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:26	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215010 **Date Collected:** 07/24/2024 14:50 **Matrix:** Water
Sample ID: TMW-14 **Date Received:** 08/01/2024 09:00

Parameter									
Heptachlor	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:26	J
Hexachlorobenzene	0.020U	ug/L	0.0080	0.020	0.040	1	08/01/2024 15:00	08/05/2024 17:26	J
Toxaphene	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 17:26	J
alpha-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:26	J
delta-BHC	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:26	J
gamma-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	08/01/2024 15:00	08/05/2024 17:26	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.25U	ug/L	0.12	0.25					
Aroclor 1221 (PCB-1221)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 20:31	J
Aroclor 1232 (PCB-1232)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 20:31	J
Aroclor 1242 (PCB-1242)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 20:31	J
Aroclor 1248 (PCB-1248)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 20:31	J
Aroclor 1254 (PCB-1254)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 20:31	J
Aroclor 1260 (PCB-1260)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 20:31	J
Aroclor 1262 (PCB-1262)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 20:31	J
Aroclor 1268 (PCB-1268)	0.25U	ug/L	0.12	0.25	0.50	1	08/01/2024 15:00	08/05/2024 20:31	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8141B)									
Atrazine	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J
Azinphos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J
Chlorpyrifos	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J
Chlorpyrifos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215010 **Date Collected:** 07/24/2024 14:50 **Matrix:** Water
Sample ID: TMW-14 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J
Demeton-O	0.10U	ug/L	0.050	0.10	0.20	1	08/01/2024 15:00	08/08/2024 21:19	J
Demeton-S	0.10U	ug/L	0.050	0.10	0.20	1	08/01/2024 15:00	08/08/2024 21:19	J
Diazinon	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J
Dimethoate	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J
Disulfoton	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J
Ethion	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J
Ethoprop	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J
Famphur	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J
Fensulfothion	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J
Fonophos	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J
Malathion	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J
Merphos	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J
Methyl Parathion	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J
Mevinphos	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J
Parathion (Ethyl)	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J
Phorate	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J
Phosmet	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J
Ronnel	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J
Simazine	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J
Sulfotep	0.20U	ug/L	0.10	0.20	0.40	1	08/01/2024 15:00	08/08/2024 21:19	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
2,4,6-Trichlorophenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
2,4-Dichlorophenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
2,4-Dimethylphenol	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 22:01	J
2,4-Dinitrophenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215010 **Date Collected:** 07/24/2024 14:50 **Matrix:** Water
Sample ID: TMW-14 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 22:01	J
2,6-Dinitrotoluene (2,6-DNT)	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 22:01	J
2-Chloronaphthalene	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
2-Chlorophenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
2-Methyl-4,6-dinitrophenol	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 22:01	J
2-Methylnaphthalene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 22:01	J
2-Methylphenol (o-Cresol)	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
2-Nitroaniline	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
2-Nitrophenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
3+4-Methylphenol(mp-Cresol)	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 22:01	J
3,3`-Dichlorobenzidine	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 22:01	J
3-Nitroaniline	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
4-Bromophenyl Phenyl Ether	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
4-Chloro-3-methylphenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
4-Chloroaniline	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
4-Chlorophenyl Phenyl Ether	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 22:01	J
4-Nitroaniline	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
4-Nitrophenol	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 22:01	J
Acenaphthene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 22:01	J
Acenaphthylene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 22:01	J
Acetophenone	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
Anthracene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 22:01	J
Atrazine	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 22:01	J
Benzaldehyde	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 22:01	J
Benzo[a]anthracene	0.22U	ug/L	0.11	0.22	0.91	1	08/05/2024 09:00	08/19/2024 22:01	J
Benzo[a]pyrene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 22:01	J
Benzo[b]fluoranthene	0.22U	ug/L	0.11	0.22	0.91	1	08/05/2024 09:00	08/19/2024 22:01	J

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215010 **Date Collected:** 07/24/2024 14:50 **Matrix:** Water
Sample ID: TMW-14 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 22:01	J
Benzo[k]fluoranthene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 22:01	J
Biphenyl	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 22:01	J
Butyl benzyl phthalate	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 22:01	J
Caprolactam	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 22:01	J
Carbazole	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 22:01	J
Chrysene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 22:01	J
Di-n-Butyl Phthalate	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 22:01	J
Di-n-octyl Phthalate	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 22:01	J
Dibenzo[a,h]anthracene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 22:01	J
Dibenzofuran	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 22:01	J
Diethyl phthalate	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
Dimethyl phthalate	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
Fluoranthene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 22:01	J
Fluorene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 22:01	J
Hexachlorobenzene	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
Hexachlorobutadiene	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
Hexachlorocyclopentadiene	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 22:01	J
Hexachloroethane	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
Indeno(1,2,3-cd)pyrene	0.22U	ug/L	0.11	0.22	0.91	1	08/05/2024 09:00	08/19/2024 22:01	J
Isophorone	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
N-Nitrosodi-n-propylamine	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 22:01	J
N-Nitrosodiphenylamine	11U	ug/L	5.7	11	23	1	08/05/2024 09:00	08/19/2024 22:01	J
Naphthalene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 22:01	J
Nitrobenzene	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
Pentachlorophenol	4.3U	ug/L	2.2	4.3	11	1	08/05/2024 09:00	08/19/2024 22:01	J
Phenanthrene	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 09:00	08/19/2024 22:01	J

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Lab ID: J2411215010 **Date Collected:** 07/24/2024 14:50 **Matrix:** Water
Sample ID: TMW-14 **Date Received:** 08/01/2024 09:00

Parameter									
Phenol	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
bis(2-Chloroethoxy)methane	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
bis(2-Chloroisopropyl) Ether	5.7U	ug/L	2.8	5.7	11	1	08/05/2024 09:00	08/19/2024 22:01	J
1,4-Dioxane	2.0U	ug/L	0.99	2.0	4.0	1	08/05/2024 12:00	08/20/2024 03:12	J
VOLATILES (SW-846 5030B/DoD SW-846 8260C)									
1,1,2,2-Tetrachloroethane	0.40U	ug/L	0.20	0.40	1.0	1	08/02/2024 11:07	08/02/2024 19:14	J
1,1,2-Trichlorotrifluoroethane	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 19:14	J
1,1-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 19:14	J
1,2-Dibromo-3-Chloropropane	2.5U	ug/L	1.2	2.5	5.0	1	08/02/2024 11:07	08/02/2024 19:14	J
1,2-Dichloroethane	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 19:14	J
1,3-Dichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 19:14	J
1,4-Dichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 19:14	J
1,4-Dioxane	2.5U	ug/L	1.2	2.5	5.0	1	08/02/2024 11:07	08/02/2024 19:14	J
2-Butanone (MEK)	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 19:14	J
2-Hexanone	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 19:14	J
4-Methyl-2-pentanone (MIBK)	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Acetone	**4.0**	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 19:14	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215010 **Date Collected:** 07/24/2024 14:50 **Matrix:** Water
Sample ID: TMW-14 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Bromodichloromethane	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Bromoform	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Bromomethane	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Carbon Disulfide	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Carbon Tetrachloride	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Chlorobenzene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Chloroethane	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Chloroform	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Chloromethane	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Cyclohexane	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Dibromochloromethane	0.40U	ug/L	0.20	0.40	1.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Dichlorodifluoromethane	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Ethylbenzene	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Ethylene Dibromide (EDB)	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Isopropylbenzene	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Methyl Acetate	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Methyl Cyclohexane	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Methyl tert-butyl Ether (MTBE)	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Methylene Chloride	2.5U	ug/L	1.2	2.5	5.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Styrene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Tetrachloroethylene (PCE)	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Toluene	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Trichloroethene	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Trichlorofluoromethane	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Vinyl Chloride	0.50U	ug/L	0.25	0.50	1.0	1	08/02/2024 11:07	08/02/2024 19:14	J
Xylene (Total)	1.5U	ug/L	0.75	1.5	3.0	1	08/02/2024 11:07	08/02/2024 19:14	J

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215010 **Date Collected:** 07/24/2024 14:50 **Matrix:** Water
Sample ID: TMW-14 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 19:14	J
cis-1,3-Dichloropropene	0.40U	ug/L	0.20	0.40	1.0	1	08/02/2024 11:07	08/02/2024 19:14	J
trans-1,2-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	1	08/02/2024 11:07	08/02/2024 19:14	J
trans-1,3-Dichloropropylene	0.40U	ug/L	0.20	0.40	1.0	1	08/02/2024 11:07	08/02/2024 19:14	J

Analysis Results Comments

1,4-Dioxane

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2,4,5-Trichlorophenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2,4,6-Trichlorophenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2,4-Dichlorophenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2,4-Dimethylphenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2,4-Dinitrophenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2,4-Dinitrotoluene (2,4-DNT)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2,6-Dinitrotoluene (2,6-DNT)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2-Chloronaphthalene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2-Chlorophenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2-Methyl-4,6-dinitrophenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Analysis Results Comments

2-Methylnaphthalene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2-Methylphenol (o-Cresol)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2-Nitroaniline

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2-Nitrophenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

3+4-Methylphenol(mp-Cresol)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

3,3`-Dichlorobenzidine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

3-Nitroaniline

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

4,4`-DDD

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

4,4`-DDE

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

4,4`-DDT

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

4-Bromophenyl Phenyl Ether

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

4-Chloro-3-methylphenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

4-Chloroaniline

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

4-Chlorophenyl Phenyl Ether

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

4-Nitroaniline

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Analysis Results Comments

4-Nitrophenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Acenaphthene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Acenaphthylene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Acetophenone

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Aldrin

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Anthracene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Atrazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Azinphos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Benzaldehyde

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Benzo[a]anthracene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Benzo[a]pyrene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Benzo[b]fluoranthene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Benzo[g,h,i]perylene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Benzo[k]fluoranthene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Biphenyl

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Phone: (904) 363-9350
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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Analysis Results Comments

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Butyl benzyl phthalate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Caprolactam

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Carbazole

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Chlordane (technical)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Chlorpyrifos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Chlorpyrifos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Chrysene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Demeton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Demeton-O

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Demeton-S

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Di-n-Butyl Phthalate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Di-n-octyl Phthalate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Diazinon

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Analytical Results

Analysis Results Comments

Dibenzo[a,h]anthracene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Dibenzofuran

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Dieldrin

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Diethyl phthalate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Dimethoate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Dimethyl phthalate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Disulfoton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

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Endosulfan I

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Endosulfan II

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Endosulfan Sulfate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Endrin

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Endrin Aldehyde

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Endrin ketone

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Ethion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Analysis Results Comments

Ethoprop

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Famphur

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Fensulfothion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Fluoranthene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Fluorene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Fonophos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Heptachlor

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Heptachlor Epoxide

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Hexachlorobenzene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Hexachlorobutadiene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Hexachlorocyclopentadiene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Hexachloroethane

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Indeno(1,2,3-cd)pyrene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Isophorone

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Analytical Results

Analysis Results Comments

Malathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Merphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Methoxychlor

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Methyl Parathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Mevinphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

N-Nitrosodi-n-propylamine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

N-Nitrosodiphenylamine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Naphthalene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Nitrobenzene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Nitrobenzene-d5

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Parathion (Ethyl)

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Pentachlorophenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Phenanthrene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Phenol

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Analysis Results Comments

Phorate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Phosmet

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Pyrene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Ronnel

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Simazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Sulfotep

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Toxaphene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

alpha-BHC

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

alpha-Chlordane

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

beta-BHC

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

bis(2-Chloroethoxy)methane

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

bis(2-Chloroethyl)Ether

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

bis(2-Chloroisopropyl) Ether

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

bis(2-Ethylhexyl) phthalate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Analysis Results Comments

delta-BHC

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

gamma-BHC (Lindane)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

gamma-Chlordane

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	56.50	113	81 - 118	J
Toluene-d8 (S)	ug/L	50	50.40	101	89 - 112	J
Bromofluorobenzene (S)	ug/L	50	55.10	110	85 - 114	J
Nitrobenzene-d5 (S)	ug/L	22.20	17.80	80	55 - 111	J
Decachlorobiphenyl (S)	ug/L	0.50	0.2060	**41**	44 - 136	J
Tetrachloro-m-xylene (S)	ug/L	1	0.6920	69	61 - 119	J
2,4,6-Tribromophenol (S)	ug/L	114	68	60	43 - 140	J
Phenol-d6 (S)	ug/L	114	26.40	23	21 - 132	J
2-Fluorobiphenyl (S)	ug/L	114	42.80	**38**	44 - 119	J
2-Fluorophenol (S)	ug/L	114	30	26	19 - 119	J
Nitrobenzene-d5 (S)	ug/L	114	41.70	**37**	44 - 120	J
2-Methylnaphthalene-d10 (S)	ug/L	114	45.20	**40**	41 - 131	J
p-Terphenyl-d14 (S)	ug/L	114	78.50	69	50 - 134	J
Fluoranthene-d10 (S)	ug/L	114	91.80	81	49 - 126	J
Decachlorobiphenyl (S)	ug/L	0.50	0.2120	**42**	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	0.7010	70	44 - 124	J
Tributylphosphate (S)	ug/L	1	0.5860	59	48.50 - 121	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215011 **Date Collected:** 07/26/2024 08:30 **Matrix:** Water
Sample ID: TMW-15 **Date Received:** 08/01/2024 09:00

Parameter									
METALS (SW-846 3010A/DoD SW-846 6020A)									
Antimony	1.3J	ug/L	1.0	2.0	4.0	1	08/14/2024 07:05	08/15/2024 03:27	J
Barium	**540**	ug/L	5.0	10	20	10	08/14/2024 07:05	08/15/2024 23:15	J
Cadmium	0.50U	ug/L	0.25	0.50	1.0	1	08/14/2024 07:05	08/15/2024 03:27	J
Copper	**110**	ug/L	1.0	2.0	4.0	1	08/14/2024 07:05	08/15/2024 03:27	J
Nickel	**16**	ug/L	1.2	2.5	5.0	1	08/14/2024 07:05	08/15/2024 03:27	J
Silver	1.0U	ug/L	0.50	1.0	2.0	1	08/14/2024 07:05	08/15/2024 03:27	J
Zinc	**130**	ug/L	6.0	12	24	1	08/14/2024 07:05	08/15/2024 03:27	J
METALS (SW-846 7470A/DoD SW-846 7470A)									
Mercury	0.034J	ug/L	0.011	0.040	0.10	1	08/06/2024 08:42	08/06/2024 13:26	J
SEMIVOLATILES (SW-846 3510C/DOD SW-846 8081B)									
4,4`-DDD	0.25U	ug/L	0.12	0.25	0.50	10	08/05/2024 09:00	08/10/2024 21:44	J
4,4`-DDE	0.25U	ug/L	0.12	0.25	0.50	10	08/05/2024 09:00	08/10/2024 21:44	J
4,4`-DDT	0.25U	ug/L	0.12	0.25	0.50	10	08/05/2024 09:00	08/10/2024 21:44	J
Aldrin	0.12U	ug/L	0.048	0.12	0.50	10	08/05/2024 09:00	08/10/2024 21:44	J
Chlordane (technical)	6.2U	ug/L	3.1	6.2	12	10	08/05/2024 09:00	08/10/2024 21:44	J
Dieldrin	0.12U	ug/L	0.048	0.12	0.50	10	08/05/2024 09:00	08/10/2024 21:44	J
Endosulfan I	0.25U	ug/L	0.12	0.25	0.50	10	08/05/2024 09:00	08/10/2024 21:44	J
Endosulfan II	0.25U	ug/L	0.12	0.25	0.50	10	08/05/2024 09:00	08/10/2024 21:44	J
Endosulfan Sulfate	0.25U	ug/L	0.12	0.25	0.50	10	08/05/2024 09:00	08/10/2024 21:44	J
Endrin	0.25U	ug/L	0.12	0.25	0.50	10	08/05/2024 09:00	08/10/2024 21:44	J
Endrin Aldehyde	0.25U	ug/L	0.12	0.25	0.50	10	08/05/2024 09:00	08/10/2024 21:44	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Lab ID: J2411215011 **Date Collected:** 07/26/2024 08:30 **Matrix:** Water
Sample ID: TMW-15 **Date Received:** 08/01/2024 09:00

Parameter									
Heptachlor	0.25U	ug/L	0.12	0.25	0.50	10	08/05/2024 09:00	08/10/2024 21:44	J
Hexachlorobenzene	0.50U	ug/L	0.20	0.50	1.0	10	08/05/2024 09:00	08/10/2024 21:44	J
Toxaphene	6.2U	ug/L	3.1	6.2	12	10	08/05/2024 09:00	08/10/2024 21:44	J
alpha-Chlordane	0.25U	ug/L	0.12	0.25	0.50	10	08/05/2024 09:00	08/10/2024 21:44	J
delta-BHC	0.25U	ug/L	0.12	0.25	0.50	10	08/05/2024 09:00	08/10/2024 21:44	J
gamma-Chlordane	0.25U	ug/L	0.12	0.25	0.50	10	08/05/2024 09:00	08/10/2024 21:44	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8270D)									
2,4,6-Trichlorophenol	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J
2,4-Dimethylphenol	45U	ug/L	23	45	91	4	08/05/2024 09:00	08/20/2024 04:23	J
2,4-Dinitrotoluene (2,4-DNT)	45U	ug/L	23	45	91	4	08/05/2024 09:00	08/20/2024 04:23	J
2-Chloronaphthalene	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J
2-Chlorophenol	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J
2-Methyl-4,6-dinitrophenol	45U	ug/L	23	45	91	4	08/05/2024 09:00	08/20/2024 04:23	J
2-Methylnaphthalene	1.8U	ug/L	0.91	1.8	3.6	4	08/05/2024 09:00	08/20/2024 04:23	J
2-Methylphenol (o-Cresol)	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J
2-Nitroaniline	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J
2-Nitrophenol	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215011 **Date Collected:** 07/26/2024 08:30 **Matrix:** Water
Sample ID: TMW-15 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
3+4-Methylphenol(mp-Cresol)	45U	ug/L	23	45	91	4	08/05/2024 09:00	08/20/2024 04:23	J
3,3`-Dichlorobenzidine	45U	ug/L	23	45	91	4	08/05/2024 09:00	08/20/2024 04:23	J
3-Nitroaniline	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J
4-Bromophenyl Phenyl Ether	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J
4-Chloro-3-methylphenol	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J
4-Chloroaniline	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J
4-Chlorophenyl Phenyl Ether	45U	ug/L	23	45	91	4	08/05/2024 09:00	08/20/2024 04:23	J
4-Nitroaniline	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J
4-Nitrophenol	45U	ug/L	23	45	91	4	08/05/2024 09:00	08/20/2024 04:23	J
Acenaphthene	1.8U	ug/L	0.91	1.8	3.6	4	08/05/2024 09:00	08/20/2024 04:23	J
Acenaphthylene	1.8U	ug/L	0.91	1.8	3.6	4	08/05/2024 09:00	08/20/2024 04:23	J
Acetophenone	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J
Anthracene	1.8U	ug/L	0.91	1.8	3.6	4	08/05/2024 09:00	08/20/2024 04:23	J
Atrazine	45U	ug/L	23	45	91	4	08/05/2024 09:00	08/20/2024 04:23	J
Benzaldehyde	45U	ug/L	23	45	91	4	08/05/2024 09:00	08/20/2024 04:23	J
Benzo[a]anthracene	0.90U	ug/L	0.45	0.90	3.6	4	08/05/2024 09:00	08/20/2024 04:23	J
Benzo[a]pyrene	1.8U	ug/L	0.91	1.8	3.6	4	08/05/2024 09:00	08/20/2024 04:23	J
Benzo[b]fluoranthene	0.90U	ug/L	0.45	0.90	3.6	4	08/05/2024 09:00	08/20/2024 04:23	J
Benzo[g,h,i]perylene	1.8U	ug/L	0.91	1.8	3.6	4	08/05/2024 09:00	08/20/2024 04:23	J
Benzo[k]fluoranthene	1.8U	ug/L	0.91	1.8	3.6	4	08/05/2024 09:00	08/20/2024 04:23	J
Biphenyl	45U	ug/L	23	45	91	4	08/05/2024 09:00	08/20/2024 04:23	J
Butyl benzyl phthalate	45U	ug/L	23	45	91	4	08/05/2024 09:00	08/20/2024 04:23	J
Caprolactam	45U	ug/L	23	45	91	4	08/05/2024 09:00	08/20/2024 04:23	J
Carbazole	1.8U	ug/L	0.91	1.8	3.6	4	08/05/2024 09:00	08/20/2024 04:23	J
Chrysene	1.8U	ug/L	0.91	1.8	3.6	4	08/05/2024 09:00	08/20/2024 04:23	J
Di-n-Butyl Phthalate	45U	ug/L	23	45	91	4	08/05/2024 09:00	08/20/2024 04:23	J
Di-n-octyl Phthalate	45U	ug/L	23	45	91	4	08/05/2024 09:00	08/20/2024 04:23	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Lab ID: J2411215011 **Date Collected:** 07/26/2024 08:30 **Matrix:** Water
Sample ID: TMW-15 **Date Received:** 08/01/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Dibenzo[a,h]anthracene	1.8U	ug/L	0.91	1.8	3.6	4	08/05/2024 09:00	08/20/2024 04:23	J
Dibenzofuran	1.8U	ug/L	0.91	1.8	3.6	4	08/05/2024 09:00	08/20/2024 04:23	J
Diethyl phthalate	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J
Dimethyl phthalate	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J
Fluoranthene	1.8U	ug/L	0.91	1.8	3.6	4	08/05/2024 09:00	08/20/2024 04:23	J
Fluorene	1.8U	ug/L	0.91	1.8	3.6	4	08/05/2024 09:00	08/20/2024 04:23	J
Hexachlorobenzene	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J
Hexachlorobutadiene	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J
Hexachlorocyclopentadiene	45U	ug/L	23	45	91	4	08/05/2024 09:00	08/20/2024 04:23	J
Hexachloroethane	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J
Indeno(1,2,3-cd)pyrene	0.90U	ug/L	0.45	0.90	3.6	4	08/05/2024 09:00	08/20/2024 04:23	J
Isophorone	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J
N-Nitrosodi-n-propylamine	45U	ug/L	23	45	91	4	08/05/2024 09:00	08/20/2024 04:23	J
N-Nitrosodiphenylamine	45U	ug/L	23	45	91	4	08/05/2024 09:00	08/20/2024 04:23	J
Naphthalene	1.8U	ug/L	0.91	1.8	3.6	4	08/05/2024 09:00	08/20/2024 04:23	J
Nitrobenzene	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J
Pentachlorophenol	17U	ug/L	8.7	17	45	4	08/05/2024 09:00	08/20/2024 04:23	J
Phenanthrene	1.8U	ug/L	0.91	1.8	3.6	4	08/05/2024 09:00	08/20/2024 04:23	J
Phenol	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J
Pyrene	1.8U	ug/L	0.91	1.8	3.6	4	08/05/2024 09:00	08/20/2024 04:23	J
bis(2-Chloroethoxy)methane	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J
bis(2-Chloroethyl)Ether	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J
bis(2-Chloroisopropyl) Ether	23U	ug/L	11	23	45	4	08/05/2024 09:00	08/20/2024 04:23	J
bis(2-Ethylhexyl) phthalate	45U	ug/L	23	45	91	4	08/05/2024 09:00	08/20/2024 04:23	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Analysis Results Comments

2,4,5-Trichlorophenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2,4,6-Trichlorophenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2,4-Dichlorophenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2,4-Dimethylphenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2,4-Dinitrophenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2,4-Dinitrotoluene (2,4-DNT)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2,6-Dinitrotoluene (2,6-DNT)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2-Chloronaphthalene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2-Chlorophenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2-Methyl-4,6-dinitrophenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2-Methylnaphthalene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2-Methylphenol (o-Cresol)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2-Nitroaniline

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

2-Nitrophenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

3+4-Methylphenol(mp-Cresol)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Analysis Results Comments

3,3`-Dichlorobenzidine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

3-Nitroaniline

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

4,4`-DDD

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

4,4`-DDE

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

4,4`-DDT

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

4-Bromophenyl Phenyl Ether

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

4-Chloro-3-methylphenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

4-Chloroaniline

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

4-Chlorophenyl Phenyl Ether

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

4-Nitroaniline

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

4-Nitrophenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Acenaphthene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Acenaphthylene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Acetophenone

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Aldrin

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Analytical Results

Analysis Results Comments

Anthracene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Atrazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Benzaldehyde

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Benzo[a]anthracene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Benzo[a]pyrene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Benzo[b]fluoranthene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Benzo[g,h,i]perylene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Benzo[k]fluoranthene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Biphenyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Butyl benzyl phthalate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Caprolactam

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Carbazole

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Chlordane (technical)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Chrysene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Decachlorobiphenyl

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Analytical Results

Analysis Results Comments

Di-n-Butyl Phthalate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Di-n-octyl Phthalate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Dibenzo[a,h]anthracene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Dibenzofuran

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Dieldrin

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Diethyl phthalate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Dimethyl phthalate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Endosulfan I

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Endosulfan II

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Endosulfan Sulfate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Endrin

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Endrin Aldehyde

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Endrin ketone

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Fluoranthene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Fluorene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Analytical Results

Analysis Results Comments

Heptachlor

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Heptachlor Epoxide

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Hexachlorobenzene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Hexachlorobutadiene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Hexachlorocyclopentadiene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Hexachloroethane

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Indeno(1,2,3-cd)pyrene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Isophorone

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Methoxychlor

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

N-Nitrosodi-n-propylamine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

N-Nitrosodiphenylamine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Naphthalene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Nitrobenzene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Pentachlorophenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Phenanthrene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Phone: (904) 363-9350
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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Analysis Results Comments

Phenol

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Pyrene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Tetrachloro-m-xylene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Toxaphene

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

alpha-BHC

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

alpha-Chlordane

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

beta-BHC

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

bis(2-Chloroethoxy)methane

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

bis(2-Chloroethyl)Ether

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

bis(2-Chloroisopropyl) Ether

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

bis(2-Ethylhexyl) phthalate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

delta-BHC

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

gamma-BHC (Lindane)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

gamma-Chlordane

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	ug/L	114	91.10	80	43 - 140	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Phenol-d6 (S)	ug/L	114	42.50	37	21 - 132	J
2-Fluorobiphenyl (S)	ug/L	114	70.20	62	44 - 119	J
2-Fluorophenol (S)	ug/L	114	49.40	43	19 - 119	J
Nitrobenzene-d5 (S)	ug/L	114	61.80	54	44 - 120	J
2-Methylnaphthalene-d10 (S)	ug/L	114	74.20	65	41 - 131	J
p-Terphenyl-d14 (S)	ug/L	114	99	87	50 - 134	J
Fluoranthene-d10 (S)	ug/L	114	119	105	49 - 126	J
Decachlorobiphenyl (S)	ug/L	1.25	1.15	92	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	2.50	2.49	100	44 - 124	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Results

QC Batch: CVAj/2527 **Analysis Method:** DoD SW-846 7470A
Preparation Method: SW-846 7470A
Associated Lab IDs: J2411215001, J2411215004, J2411215005, J2411215006, J2411215007, J2411215008, J2411215009, J2411215010, J2411215011

Method Blank(5420759)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Mercury	0.040U	ug/L	0.011	0.040	0.10	J

Lab Control Sample (5420760)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Mercury	ug/L	2	1.8	88	82 - 119	J

Matrix Spike (5420761); Matrix Spike Duplicate (5420762); Original (J2410916008); Parent Lab Sample (J2410916008)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Mercury	ug/L	2	2.2	108	82 - 119	2	102	5	20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Results

QC Batch: GCSj/6735 **Analysis Method:** DOD SW-846 8081B
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411215001, J2411215002, J2411215004, J2411215005, J2411215006, J2411215007, J2411215008, J2411215009, J2411215010

Method Blank(5418692)

Parameter	Results	Units	DL	LOD	LOQ	Lab
alpha-BHC	0.010U	ug/L	0.0050	0.010	0.020	J
gamma-BHC (Lindane)	0.010U	ug/L	0.0050	0.010	0.020	J
beta-BHC	0.010U	ug/L	0.0050	0.010	0.020	J
delta-BHC	0.010U	ug/L	0.0050	0.010	0.020	J
Heptachlor	0.010U	ug/L	0.0050	0.010	0.020	J
Aldrin	0.0050U	ug/L	0.0019	0.0050	0.020	J
Heptachlor Epoxide	0.010U	ug/L	0.0050	0.010	0.020	J
gamma-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	J
alpha-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	J
Endosulfan I	0.010U	ug/L	0.0050	0.010	0.020	J
4,4`-DDE	0.010U	ug/L	0.0050	0.010	0.020	J
Dieldrin	0.0050U	ug/L	0.0019	0.0050	0.020	J
Endrin	0.010U	ug/L	0.0050	0.010	0.020	J
4,4`-DDD	0.010U	ug/L	0.0050	0.010	0.020	J
Endosulfan II	0.010U	ug/L	0.0050	0.010	0.020	J
Endrin Aldehyde	0.010U	ug/L	0.0050	0.010	0.020	J
4,4`-DDT	0.010U	ug/L	0.0050	0.010	0.020	J
Endosulfan Sulfate	0.010U	ug/L	0.0050	0.010	0.020	J
Methoxychlor	0.010U	ug/L	0.0050	0.010	0.020	J
Hexachlorobenzene	0.020U	ug/L	0.0080	0.020	0.040	J
Endrin ketone	0.040U	ug/L	0.020	0.040	0.080	J
Chlordane (technical)	0.25U	ug/L	0.12	0.25	0.50	J
Toxaphene	0.25U	ug/L	0.12	0.25	0.50	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.000494	99	48 - 137	J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.000989	99	44 - 124	J

Lab Control Sample (5418693)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
alpha-BHC	ug/L	0.10	0.1	104	54 - 138	J
gamma-BHC (Lindane)	ug/L	0.10	0.11	113	59 - 134	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Batch: GCSj/6735 **Analysis Method:** DOD SW-846 8081B
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411215001, J2411215002, J2411215004, J2411215005, J2411215006, J2411215007, J2411215008, J2411215009, J2411215010

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
beta-BHC	ug/L	0.10	0.1	101	56 - 136	J
delta-BHC	ug/L	0.10	0.12	120	52 - 142	J
Heptachlor	ug/L	0.10	0.099	99	54 - 130	J
Aldrin	ug/L	0.10	0.1	105	45 - 134	J
Heptachlor Epoxide	ug/L	0.10	0.1	102	61 - 133	J
gamma-Chlordane	ug/L	0.10	0.12	120	56 - 136	J
alpha-Chlordane	ug/L	0.10	0.1	101	60 - 129	J
Endosulfan I	ug/L	0.10	0.093	93	62 - 126	J
4,4`-DDE	ug/L	0.10	0.11	106	57 - 135	J
Dieldrin	ug/L	0.10	0.11	109	60 - 136	J
Endrin	ug/L	0.10	0.11	105	60 - 138	J
4,4`-DDD	ug/L	0.10	0.1	101	56 - 143	J
Endosulfan II	ug/L	0.10	0.097	97	52 - 135	J
Endrin Aldehyde	ug/L	0.10	0.1	103	51 - 132	J
4,4`-DDT	ug/L	0.10	0.1	105	51 - 143	J
Endosulfan Sulfate	ug/L	0.10	0.11	106	62 - 133	J
Methoxychlor	ug/L	0.10	0.12	121	54 - 145	J
Endrin ketone	ug/L	0.10	0.1	104	58 - 134	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.000511	102	48 - 137	J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.001020	102	44 - 124	J

Matrix Spike (5418695); Matrix Spike Duplicate (5418696); Original (J2411215005); Parent Lab Sample (J2411215005)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
alpha-BHC	ug/L	0.10	0.094	94	54 - 138	0.081	81	15	30	J
gamma-BHC (Lindane)	ug/L	0.10	0.11	110	59 - 134	0.097	97	13	30	J
beta-BHC	ug/L	0.10	0.1	104	56 - 136	0.082	82	23	30	J
delta-BHC	ug/L	0.10	0.12	119	52 - 142	0.099	99	18	30	J
Heptachlor	ug/L	0.10	0.08	80	54 - 130	0.074	74	8.60	30	J
Aldrin	ug/L	0.10	0.069	69	45 - 134	0.066	66	4.30	30	J
Heptachlor Epoxide	ug/L	0.10	0.097	97	61 - 133	0.083	83	16	30	J
gamma-Chlordane	ug/L	0.10	0.11	114	56 - 136	0.096	96	18	30	J
alpha-Chlordane	ug/L	0.10	0.09	90	60 - 129	0.079	79	14	30	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Batch: GCSj/6735 **Analysis Method:** DOD SW-846 8081B
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411215001, J2411215002, J2411215004, J2411215005, J2411215006, J2411215007, J2411215008, J2411215009, J2411215010

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Endosulfan I	ug/L	0.10	0.098	98	62 - 126	0.084	84	15	30	J
4,4`-DDE	ug/L	0.10	0.095	95	57 - 135	0.095	95	0.40	30	J
Dieldrin	ug/L	0.10	0.11	106	60 - 136	0.087	87	19	30	J
Endrin	ug/L	0.10	0.11	108	60 - 138	0.09	90	18	30	J
4,4`-DDD	ug/L	0.10	0.11	108	56 - 143	0.096	96	12	30	J
Endosulfan II	ug/L	0.10	0.096	96	52 - 135	0.08	80	18	30	J
Endrin Aldehyde	ug/L	0.10	0.1	102	51 - 132	0.085	85	19	30	J
4,4`-DDT	ug/L	0.10	0.11	109	51 - 143	0.091	91	18	30	J
Endosulfan Sulfate	ug/L	0.10	0.1	104	62 - 133	0.088	88	16	30	J
Methoxychlor	ug/L	0.10	0.13	131	54 - 145	0.11	106	21	30	J
Endrin ketone	ug/L	0.10	0.1	102	58 - 134	0.084	84	19	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.00028	57	48 - 137	0.00026	54	5.80		J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.00079	79	44 - 124	0.00070	70	12		J

QC Result Comments

Matrix Spike - 5418695 - delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike Duplicate - 5418696 - delta-BHC

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Results

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Batch: GCSj/6736 **Analysis Method:** DoD SW-846 8082A
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411215001, J2411215005, J2411215008, J2411215010

Method Blank(5418704)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Aroclor 1016 (PCB-1016)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1221 (PCB-1221)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1232 (PCB-1232)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1242 (PCB-1242)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1248 (PCB-1248)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1254 (PCB-1254)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1260 (PCB-1260)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1262 (PCB-1262)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1268 (PCB-1268)	0.25U	ug/L	0.12	0.25	0.50	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.000484	97	44 - 136	J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.000965	97	61 - 119	J

Lab Control Sample (5418705)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Aroclor 1016 (PCB-1016)	ug/L	1	0.89	89	46 - 129	J
Aroclor 1260 (PCB-1260)	ug/L	1	0.96	96	45 - 134	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.000506	101	44 - 136	J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.000966	97	61 - 119	J

Matrix Spike (5418706); Matrix Spike Duplicate (5418707); Original (J2411215008); Parent Lab Sample (J2411215008)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Aroclor 1016 (PCB-1016)	ug/L	1	0.7	70	46 - 129	0.69	69	1.30	30	J
Aroclor 1260 (PCB-1260)	ug/L	1	0.62	62	45 - 134	0.53	53	15	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.00027	55	44 - 136	0.00024	49	11		J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.00060	**60**	61 - 119	0.00063	64	6		J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Results

QC Batch: GCSj/6744 **Analysis Method:** DoD SW-846 8141B
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411215001, J2411215005, J2411215008, J2411215010

Method Blank(5418640)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Mevinphos	0.20U	ug/L	0.10	0.20	0.40	J
Demeton	0.20U	ug/L	0.10	0.20	0.40	J
Ethoprop	0.20U	ug/L	0.10	0.20	0.40	J
Phorate	0.20U	ug/L	0.10	0.20	0.40	J
Diazinon	0.20U	ug/L	0.10	0.20	0.40	J
Disulfoton	0.20U	ug/L	0.10	0.20	0.40	J
Ronnel	0.20U	ug/L	0.10	0.20	0.40	J
Methyl Parathion	0.20U	ug/L	0.10	0.20	0.40	J
Chlorpyrifos	0.20U	ug/L	0.10	0.20	0.40	J
Merphos	0.20U	ug/L	0.10	0.20	0.40	J
Fensulfothion	0.20U	ug/L	0.10	0.20	0.40	J
Azinphos-methyl	0.20U	ug/L	0.10	0.20	0.40	J
Sulfotep	0.20U	ug/L	0.10	0.20	0.40	J
Dimethoate	0.20U	ug/L	0.10	0.20	0.40	J
Fonophos	0.20U	ug/L	0.10	0.20	0.40	J
Chlorpyrifos-methyl	0.20U	ug/L	0.10	0.20	0.40	J
Malathion	0.20U	ug/L	0.10	0.20	0.40	J
Parathion (Ethyl)	0.20U	ug/L	0.10	0.20	0.40	J
Ethion	0.20U	ug/L	0.10	0.20	0.40	J
Famphur	0.20U	ug/L	0.10	0.20	0.40	J
Phosmet	0.20U	ug/L	0.10	0.20	0.40	J
Atrazine	0.20U	ug/L	0.10	0.20	0.40	J
Simazine	0.20U	ug/L	0.10	0.20	0.40	J
Demeton-S	0.10U	ug/L	0.050	0.10	0.20	J
Demeton-O	0.10U	ug/L	0.050	0.10	0.20	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	mg/L	0.0010	0.000731	73	48.50 - 121	J

Lab Control Sample (5418641)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Mevinphos	ug/L	0.50	0.36	72	37 - 171	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Batch: GCSj/6744 **Analysis Method:** DoD SW-846 8141B
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411215001, J2411215005, J2411215008, J2411215010

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Demeton	ug/L	0.50	0.35	70	25 - 128	J
Ethoprop	ug/L	0.50	0.39	78	52 - 125	J
Phorate	ug/L	0.50	0.36	71	23 - 139	J
Diazinon	ug/L	0.50	0.38	76	43 - 129	J
Disulfoton	ug/L	0.50	0.33	66	36 - 134	J
Ronnel	ug/L	0.50	0.38	77	42 - 133	J
Methyl Parathion	ug/L	0.50	0.39	78	49 - 134	J
Chlorpyrifos	ug/L	0.50	0.38	76	47 - 133	J
Merphos	ug/L	0.50	0.37	75	26 - 133	J
Fensulfothion	ug/L	0.50	0.34	68	24 - 160	J
Azinphos-methyl	ug/L	0.50	0.36	72	43 - 135	J
Sulfotep	ug/L	0.50	0.39	78	47 - 126	J
Dimethoate	ug/L	0.50	0.33	67	26 - 125	J
Fonophos	ug/L	0.50	0.34	69	54 - 122	J
Chlorpyrifos-methyl	ug/L	0.50	0.38	75	51 - 133	J
Malathion	ug/L	0.50	0.4	81	44 - 132	J
Parathion (Ethyl)	ug/L	0.50	0.38	76	52 - 134	J
Ethion	ug/L	0.50	0.38	75	42 - 145	J
Famphur	ug/L	0.50	0.41	83	38 - 183	J
Phosmet	ug/L	0.50	0.4	80	44 - 164	J
Atrazine	ug/L	0.50	0.39	78	45 - 120	J
Simazine	ug/L	0.50	0.38	77	51 - 136	J
Demeton-S	ug/L	0.25	0.18	70	21 - 162	J
Demeton-O	ug/L	0.25	0.17	69	25 - 128	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	mg/L	0.0010	0.000790	79	48.50 - 121	J

Matrix Spike (5418642); Matrix Spike Duplicate (5418643); Original (J2411215010); Parent Lab Sample (J2411215010)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Mevinphos	ug/L	0.50	0.27	55	37 - 171	0.27	54	1.10	30	J
Demeton	ug/L	0.50	0.2	40	25 - 128	0.19	38	4.10	30	J
Ethoprop	ug/L	0.50	0.27	54	52 - 125	0.28	56	3.60	30	J
Phorate	ug/L	0.50	0.27	54	23 - 139	0.22	44	22	30	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Batch: GCSj/6744 **Analysis Method:** DoD SW-846 8141B
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411215001, J2411215005, J2411215008, J2411215010

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Diazinon	ug/L	0.50	0.26	52	43 - 129	0.29	58	11	30	J
Disulfoton	ug/L	0.50	0.063	**13**	36 - 134	0.078	**16**	21	30	J
Ronnel	ug/L	0.50	0.25	49	42 - 133	0.28	57	14	30	J
Methyl Parathion	ug/L	0.50	0.26	53	49 - 134	0.3	60	12	30	J
Chlorpyrifos	ug/L	0.50	0.25	50	47 - 133	0.29	58	16	30	J
Merphos	ug/L	0.50	0.22	43	26 - 133	0.26	52	17	30	J
Fensulfothion	ug/L	0.50	0.26	52	24 - 160	0.3	60	15	30	J
Azinphos-methyl	ug/L	0.50	0.24	48	43 - 135	0.3	59	21	30	J
Sulfotep	ug/L	0.50	0.27	55	47 - 126	0.27	55	0.40	30	J
Dimethoate	ug/L	0.50	0.24	49	26 - 125	0.28	56	13	30	J
Fonophos	ug/L	0.50	0.23	**45**	54 - 122	0.24	**49**	7.60	30	J
Chlorpyrifos-methyl	ug/L	0.50	0.27	53	51 - 133	0.28	56	4.80	30	J
Malathion	ug/L	0.50	0.26	53	44 - 132	0.29	58	9.10	30	J
Parathion (Ethyl)	ug/L	0.50	0.26	**51**	52 - 134	0.3	61	17	30	J
Ethion	ug/L	0.50	0.26	51	42 - 145	0.31	61	18	30	J
Famphur	ug/L	0.50	0.28	55	38 - 183	0.32	64	14	30	J
Phosmet	ug/L	0.50	0.26	52	44 - 164	0.31	61	16	30	J
Atrazine	ug/L	0.50	0.25	50	45 - 120	0.31	61	21	30	J
Simazine	ug/L	0.50	0.22	**45**	51 - 136	0.29	58	25	30	J
Demeton-S	ug/L	0.25	0.11	45	21 - 162	0.13	52	15	30	J
Demeton-O	ug/L	0.25	0.085	34	25 - 128	0.059	**24**	**36**	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Tributylphosphate (S)	mg/L	0.0010	0.00056	57	48.50 - 1	0.00064	64	13		J

QC Result Comments

Matrix Spike - 5418642 - Atrazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5418642 - Azinphos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Result Comments

Matrix Spike - 5418642 - Chlorpyrifos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5418642 - Chlorpyrifos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5418642 - Demeton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5418642 - Demeton-O

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5418642 - Demeton-S

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5418642 - Diazinon

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5418642 - Dimethoate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5418642 - Disulfoton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5418642 - Ethion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5418642 - Ethoprop

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5418642 - Famphur

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5418642 - Fensulfothion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5418642 - Fonophos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5418642 - Malathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5418642 - Merphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Result Comments

Matrix Spike - 5418642 - Methyl Parathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5418642 - Mevinphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5418642 - Parathion (Ethyl)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5418642 - Phorate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5418642 - Phosmet

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5418642 - Ronnel

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike - 5418642 - Simazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5418642 - Sulfotep

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5418643 - Atrazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5418643 - Azinphos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5418643 - Chlorpyrifos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5418643 - Chlorpyrifos-methyl

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5418643 - Demeton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5418643 - Demeton-O

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Result Comments

Matrix Spike Duplicate - 5418643 - Demeton-S

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5418643 - Diazinon

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5418643 - Dimethoate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5418643 - Disulfoton

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5418643 - Ethion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5418643 - Ethoprop

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5418643 - Famphur

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5418643 - Fensulfothion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5418643 - Fonophos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5418643 - Malathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5418643 - Merphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5418643 - Methyl Parathion

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5418643 - Mevinphos

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5418643 - Parathion (Ethyl)

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5418643 - Phorate

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Result Comments

Matrix Spike Duplicate - 5418643 - Phosmet

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5418643 - Ronnel

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5418643 - Simazine

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

Matrix Spike Duplicate - 5418643 - Sulfotep

H|Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Results

QC Batch: GCSj/6773
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411215011
Analysis Method: DOD SW-846 8081B

Method Blank(5423578)

Parameter	Results	Units	DL	LOD	LOQ	Lab
alpha-BHC	0.010U	ug/L	0.0050	0.010	0.020	J
gamma-BHC (Lindane)	0.010U	ug/L	0.0050	0.010	0.020	J
beta-BHC	0.010U	ug/L	0.0050	0.010	0.020	J
delta-BHC	0.010U	ug/L	0.0050	0.010	0.020	J
Heptachlor	0.010U	ug/L	0.0050	0.010	0.020	J
Aldrin	0.0050U	ug/L	0.0019	0.0050	0.020	J
Heptachlor Epoxide	0.010U	ug/L	0.0050	0.010	0.020	J
gamma-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	J
alpha-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	J
Endosulfan I	0.010U	ug/L	0.0050	0.010	0.020	J
4,4`-DDE	0.010U	ug/L	0.0050	0.010	0.020	J
Dieldrin	0.0050U	ug/L	0.0019	0.0050	0.020	J
Endrin	0.010U	ug/L	0.0050	0.010	0.020	J
4,4`-DDD	0.010U	ug/L	0.0050	0.010	0.020	J
Endosulfan II	0.010U	ug/L	0.0050	0.010	0.020	J
Endrin Aldehyde	0.010U	ug/L	0.0050	0.010	0.020	J
4,4`-DDT	0.010U	ug/L	0.0050	0.010	0.020	J
Endosulfan Sulfate	0.010U	ug/L	0.0050	0.010	0.020	J
Methoxychlor	0.010U	ug/L	0.0050	0.010	0.020	J
Hexachlorobenzene	0.020U	ug/L	0.0080	0.020	0.040	J
Endrin ketone	0.040U	ug/L	0.020	0.040	0.080	J
Chlordane (technical)	0.25U	ug/L	0.12	0.25	0.50	J
Toxaphene	0.25U	ug/L	0.12	0.25	0.50	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.000751	**150**	48 - 137	J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.001210	121	44 - 124	J

Lab Control Sample (5423579); Lab Control Sample Duplicate (5423580); Parent Lab Sample (J2411215011)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
alpha-BHC	ug/L	0.10	0.11	106	54 - 138	0.1	104	1.40	30	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Batch: GCSj/6773
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411215011
Analysis Method: DOD SW-846 8081B

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
gamma-BHC (Lindane)	ug/L	0.10	0.12	117	59 - 134	0.12	115	1.80	30	J
beta-BHC	ug/L	0.10	0.11	109	56 - 136	0.11	108	1.10	30	J
delta-BHC	ug/L	0.10	0.12	122	52 - 142	0.12	119	2.50	30	J
Heptachlor	ug/L	0.10	0.1	104	54 - 130	0.1	102	1.90	30	J
Aldrin	ug/L	0.10	0.11	109	45 - 134	0.11	107	1.80	30	J
Heptachlor Epoxide	ug/L	0.10	0.11	110	61 - 133	0.11	106	3.40	30	J
gamma-Chlordane	ug/L	0.10	0.12	124	56 - 136	0.12	121	2.70	30	J
alpha-Chlordane	ug/L	0.10	0.11	107	60 - 129	0.1	104	2.80	30	J
Endosulfan I	ug/L	0.10	0.098	98	62 - 126	0.095	95	3.40	30	J
4,4`-DDE	ug/L	0.10	0.11	112	57 - 135	0.11	109	3	30	J
Dieldrin	ug/L	0.10	0.11	115	60 - 136	0.11	110	3.70	30	J
Endrin	ug/L	0.10	0.11	112	60 - 138	0.11	109	3.20	30	J
4,4`-DDD	ug/L	0.10	0.11	113	56 - 143	0.11	110	2.70	30	J
Endosulfan II	ug/L	0.10	0.1	100	52 - 135	0.098	98	2	30	J
Endrin Aldehyde	ug/L	0.10	0.1	100	51 - 132	0.097	97	2.60	30	J
4,4`-DDT	ug/L	0.10	0.11	113	51 - 143	0.11	110	2.30	30	J
Endosulfan Sulfate	ug/L	0.10	0.11	109	62 - 133	0.11	106	2.90	30	J
Methoxychlor	ug/L	0.10	0.13	126	54 - 145	0.13	126	0	30	J
Endrin ketone	ug/L	0.10	0.11	108	58 - 134	0.1	105	2.80	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.00056	113	48 - 137	0.00052	105	6.90		J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.00106	106	44 - 124	0.00101	101	5.10		J

Matrix Spike (5423581); Original (J2411335001); Parent Lab Sample (J2411335001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
alpha-BHC	ug/L	0.10	0.06	60	54 - 138	J
gamma-BHC (Lindane)	ug/L	0.10	0.089	89	59 - 134	J
beta-BHC	ug/L	0.10	0.1	101	56 - 136	J
delta-BHC	ug/L	0.10	0.092	92	52 - 142	J
Heptachlor	ug/L	0.10	0.071	71	54 - 130	J
Aldrin	ug/L	0.10	0.058	58	45 - 134	J
Heptachlor Epoxide	ug/L	0.10	0.084	84	61 - 133	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Batch: GCSj/6773
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411215011

Analysis Method: DOD SW-846 8081B

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
gamma-Chlordane	ug/L	0.10	0.11	112	56 - 136	J
alpha-Chlordane	ug/L	0.10	0.075	75	60 - 129	J
Endosulfan I	ug/L	0.10	0.088	88	62 - 126	J
4,4`-DDE	ug/L	0.10	0.074	74	57 - 135	J
Dieldrin	ug/L	0.10	0.074	74	60 - 136	J
Endrin	ug/L	0.10	0.084	84	60 - 138	J
4,4`-DDD	ug/L	0.10	0.073	73	56 - 143	J
Endosulfan II	ug/L	0.10	0.071	71	52 - 135	J
Endrin Aldehyde	ug/L	0.10	0.084	84	51 - 132	J
4,4`-DDT	ug/L	0.10	0.078	78	51 - 143	J
Endosulfan Sulfate	ug/L	0.10	0.09	90	62 - 133	J
Methoxychlor	ug/L	0.10	0.11	114	54 - 145	J
Endrin ketone	ug/L	0.10	0.082	82	58 - 134	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.000352	70	48 - 137	J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.000775	77	44 - 124	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Results

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Batch: GCSj/6786 **Analysis Method:** DoD SW-846 8082A
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411215002, J2411215004, J2411215006, J2411215007, J2411215009

Method Blank(5423597)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Aroclor 1016 (PCB-1016)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1221 (PCB-1221)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1232 (PCB-1232)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1242 (PCB-1242)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1248 (PCB-1248)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1254 (PCB-1254)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1260 (PCB-1260)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1262 (PCB-1262)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1268 (PCB-1268)	0.25U	ug/L	0.12	0.25	0.50	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.000751	**150**	44 - 136	J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.001210	**121**	61 - 119	J

Lab Control Sample (5423598); Lab Control Sample Duplicate (5423599); Parent Lab Sample (J2411215002, J2411215004, J2411215006, J2411215007, J2411215009)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Aroclor 1016 (PCB-1016)	ug/L	1	0.92	92	46 - 129	0.86	86	7	30	J
Aroclor 1260 (PCB-1260)	ug/L	1	0.94	94	45 - 134	0.9	90	4.30	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.00051	104	44 - 136	0.00051	103	0.50		J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.00097	98	61 - 119	0.00092	92	5.70		J

Matrix Spike (5423600); Original (J2411335002); Parent Lab Sample (J2411335002)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Aroclor 1016 (PCB-1016)	ug/L	1	0	**0**	46 - 129	J
Aroclor 1260 (PCB-1260)	ug/L	1	0	**0**	45 - 134	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.000296	59	44 - 136	J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.000717	72	61 - 119	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Results

QC Batch: GCSj/6798 **Analysis Method:** DoD SW-846 8141B
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411215002, J2411215004, J2411215006, J2411215007, J2411215009

Method Blank(5423587)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Mevinphos	0.20U	ug/L	0.10	0.20	0.40	J
Demeton	0.20U	ug/L	0.10	0.20	0.40	J
Ethoprop	0.20U	ug/L	0.10	0.20	0.40	J
Phorate	0.20U	ug/L	0.10	0.20	0.40	J
Diazinon	0.20U	ug/L	0.10	0.20	0.40	J
Disulfoton	0.20U	ug/L	0.10	0.20	0.40	J
Ronnel	0.20U	ug/L	0.10	0.20	0.40	J
Methyl Parathion	0.20U	ug/L	0.10	0.20	0.40	J
Chlorpyrifos	0.20U	ug/L	0.10	0.20	0.40	J
Merphos	0.20U	ug/L	0.10	0.20	0.40	J
Fensulfothion	0.20U	ug/L	0.10	0.20	0.40	J
Azinphos-methyl	0.20U	ug/L	0.10	0.20	0.40	J
Sulfotep	0.20U	ug/L	0.10	0.20	0.40	J
Dimethoate	0.20U	ug/L	0.10	0.20	0.40	J
Fonophos	0.20U	ug/L	0.10	0.20	0.40	J
Chlorpyrifos-methyl	0.20U	ug/L	0.10	0.20	0.40	J
Malathion	0.20U	ug/L	0.10	0.20	0.40	J
Parathion (Ethyl)	0.20U	ug/L	0.10	0.20	0.40	J
Ethion	0.20U	ug/L	0.10	0.20	0.40	J
Famphur	0.20U	ug/L	0.10	0.20	0.40	J
Phosmet	0.20U	ug/L	0.10	0.20	0.40	J
Atrazine	0.20U	ug/L	0.10	0.20	0.40	J
Simazine	0.20U	ug/L	0.10	0.20	0.40	J
Demeton-S	0.10U	ug/L	0.050	0.10	0.20	J
Demeton-O	0.10U	ug/L	0.050	0.10	0.20	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	mg/L	0.0010	0.001020	102	48.50 - 121	J

Lab Control Sample (5423588); Lab Control Sample Duplicate (5423589); Parent Lab Sample (J2411215002, J2411215004, J2411215006, J2411215007, J2411215009)

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Batch: GCSj/6798 **Analysis Method:** DoD SW-846 8141B
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411215002, J2411215004, J2411215006, J2411215007, J2411215009

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Mevinphos	ug/L	0.50	0.46	91	37 - 171	0.43	86	5.90	30	J
Demeton	ug/L	0.50	0.44	88	25 - 128	0.4	81	8.10	30	J
Ethoprop	ug/L	0.50	0.44	88	52 - 125	0.41	83	5.90	30	J
Phorate	ug/L	0.50	0.42	83	23 - 139	0.39	78	6.70	30	J
Diazinon	ug/L	0.50	0.4	81	43 - 129	0.31	62	27	30	J
Disulfoton	ug/L	0.50	0.4	80	36 - 134	0.37	74	8.60	30	J
Ronnel	ug/L	0.50	0.43	86	42 - 133	0.39	78	9.70	30	J
Methyl Parathion	ug/L	0.50	0.44	87	49 - 134	0.4	80	8.40	30	J
Chlorpyrifos	ug/L	0.50	0.43	86	47 - 133	0.39	79	8.80	30	J
Merphos	ug/L	0.50	0.43	86	26 - 133	0.4	80	7.50	30	J
Fensulfothion	ug/L	0.50	0.41	82	24 - 160	0.36	72	13	30	J
Azinphos-methyl	ug/L	0.50	0.44	89	43 - 135	0.37	74	18	30	J
Sulfotep	ug/L	0.50	0.44	89	47 - 126	0.42	83	6.50	30	J
Dimethoate	ug/L	0.50	0.46	92	26 - 125	0.4	79	15	30	J
Fonophos	ug/L	0.50	0.4	80	54 - 122	0.36	72	11	30	J
Chlorpyrifos-methyl	ug/L	0.50	0.43	86	51 - 133	0.39	79	9	30	J
Malathion	ug/L	0.50	0.45	89	44 - 132	0.41	82	8.90	30	J
Parathion (Ethyl)	ug/L	0.50	0.43	86	52 - 134	0.39	78	9	30	J
Ethion	ug/L	0.50	0.45	90	42 - 145	0.41	83	8.10	30	J
Famphur	ug/L	0.50	0.46	92	38 - 183	0.42	85	8.10	30	J
Phosmet	ug/L	0.50	0.44	89	44 - 164	0.39	78	13	30	J
Atrazine	ug/L	0.50	0.48	97	45 - 120	0.4	81	18	30	J
Simazine	ug/L	0.50	0.46	92	51 - 136	0.36	72	24	30	J
Demeton-S	ug/L	0.25	0.21	84	21 - 162	0.2	78	6.90	30	J
Demeton-O	ug/L	0.25	0.23	92	25 - 128	0.21	84	9.10	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Tributylphosphate (S)	mg/L	0.0010	0.00088	89	48.50 - 1	0.00082	82	8		J

Matrix Spike (5423590); Original (J2411335003); Parent Lab Sample (J2411335003)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Mevinphos	ug/L	0.50	0.34	68	37 - 171	J
Demeton	ug/L	0.50	0.24	48	25 - 128	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Batch: GCSj/6798 **Analysis Method:** DoD SW-846 8141B
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411215002, J2411215004, J2411215006, J2411215007, J2411215009

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Ethoprop	ug/L	0.50	0.25	**50**	52 - 125	J
Phorate	ug/L	0.50	0.19	37	23 - 139	J
Diazinon	ug/L	0.50	0.23	46	43 - 129	J
Disulfoton	ug/L	0.50	0.23	45	36 - 134	J
Ronnel	ug/L	0.50	0.18	**36**	42 - 133	J
Methyl Parathion	ug/L	0.50	0.22	**43**	49 - 134	J
Chlorpyrifos	ug/L	0.50	0.21	**42**	47 - 133	J
Merphos	ug/L	0.50	0.28	57	26 - 133	J
Fensulfothion	ug/L	0.50	0.13	27	24 - 160	J
Azinphos-methyl	ug/L	0.50	0.18	**35**	43 - 135	J
Sulfotep	ug/L	0.50	0.22	**45**	47 - 126	J
Dimethoate	ug/L	0.50	0.21	43	26 - 125	J
Fonophos	ug/L	0.50	0.22	**45**	54 - 122	J
Chlorpyrifos-methyl	ug/L	0.50	0.24	**47**	51 - 133	J
Malathion	ug/L	0.50	0.25	49	44 - 132	J
Parathion (Ethyl)	ug/L	0.50	0.19	**38**	52 - 134	J
Ethion	ug/L	0.50	0.24	49	42 - 145	J
Famphur	ug/L	0.50	0.19	38	38 - 183	J
Phosmet	ug/L	0.50	0.19	**38**	44 - 164	J
Atrazine	ug/L	0.50	0.5	100	45 - 120	J
Simazine	ug/L	0.50	0.5	100	51 - 136	J
Demeton-S	ug/L	0.25	0.12	46	21 - 162	J
Demeton-O	ug/L	0.25	0.12	50	25 - 128	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	mg/L	0.0010	0.000563	56	48.50 - 121	J

QC Result Comments

Matrix Spike - 5423590 - Azinphos-methyl

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5423590 - Chlorpyrifos

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Result Comments

Matrix Spike - 5423590 - Chlorpyrifos-methyl

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5423590 - Ethoprop

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5423590 - Fonophos

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5423590 - Methyl Parathion

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5423590 - Parathion (Ethyl)

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5423590 - Phosmet

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5423590 - Ronnel

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5423590 - Sulfotep

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Results

QC Batch: ICMj/4573 **Analysis Method:** DoD SW-846 6020A
Preparation Method: SW-846 3010A
Associated Lab IDs: J2411215001, J2411215004, J2411215005, J2411215006

Method Blank(5426831)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Beryllium	2.0U	ug/L	1.0	2.0	4.0	J
Chromium	1.0U	ug/L	0.50	1.0	2.0	J
Nickel	2.5U	ug/L	1.2	2.5	5.0	J
Copper	2.0U	ug/L	1.0	2.0	4.0	J
Zinc	12U	ug/L	6.0	12	24	J
Arsenic	0.50U	ug/L	0.25	0.50	1.0	J
Selenium	2.5U	ug/L	1.2	2.5	5.0	J
Silver	1.0U	ug/L	0.50	1.0	2.0	J
Cadmium	0.50U	ug/L	0.25	0.50	1.0	J
Antimony	2.0U	ug/L	1.0	2.0	4.0	J
Barium	1.0U	ug/L	0.50	1.0	2.0	J
Thallium	0.50U	ug/L	0.25	0.50	1.0	J
Lead	1.0U	ug/L	0.50	1.0	2.0	J

Lab Control Sample (5426832)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Beryllium	ug/L	20	21	105	83 - 121	J
Chromium	ug/L	20	19	96	85 - 116	J
Nickel	ug/L	20	19	96	85 - 117	J
Copper	ug/L	20	19	97	85 - 118	J
Zinc	ug/L	520	530	102	83 - 119	J
Arsenic	ug/L	20	20	99	84 - 116	J
Selenium	ug/L	20	20	99	80 - 120	J
Silver	ug/L	20	19	94	85 - 116	J
Cadmium	ug/L	20	20	100	87 - 115	J
Antimony	ug/L	20	20	98	85 - 117	J
Barium	ug/L	20	19	96	86 - 114	J
Thallium	ug/L	20	19	96	82 - 116	J
Lead	ug/L	20	19	95	88 - 115	J

Matrix Spike (5426833); Matrix Spike Duplicate (5426834); Original (J2411185005); Parent Lab Sample (J2411185005)

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Batch: ICMj/4573 **Analysis Method:** DoD SW-846 6020A
Preparation Method: SW-846 3010A
Associated Lab IDs: J2411215001, J2411215004, J2411215005, J2411215006

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Beryllium	ug/L	20	20	101	83 - 121	22	110	8.10	20	J
Chromium	ug/L	20	20	100	85 - 116	20	101	0.80	20	J
Nickel	ug/L	20	18	92	85 - 117	19	94	2.20	20	J
Copper	ug/L	20	19	95	85 - 118	20	98	2.60	20	J
Zinc	ug/L	520	520	100	83 - 119	530	101	0.80	20	J
Arsenic	ug/L	20	20	98	84 - 116	20	99	1.60	20	J
Selenium	ug/L	20	19	97	80 - 120	20	98	0.70	20	J
Silver	ug/L	20	18	92	85 - 116	18	92	0	20	J
Cadmium	ug/L	20	20	98	87 - 115	20	99	0.60	20	J
Antimony	ug/L	20	20	101	85 - 117	20	102	0.90	20	J
Barium	ug/L	20	21	96	86 - 114	21	95	0.60	20	J
Thallium	ug/L	20	19	96	82 - 116	20	98	1.40	20	J
Lead	ug/L	20	19	97	88 - 115	20	98	0.70	20	J

Matrix Spike (5426835); Matrix Spike Duplicate (5426836); Original (J2411013009); Parent Lab Sample (J2411013009)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Beryllium	ug/L	20	21	106	83 - 121	22	109	2.80	20	J
Chromium	ug/L	20	20	98	85 - 116	20	100	1.30	20	J
Nickel	ug/L	20	18	90	85 - 117	18	91	1.50	20	J
Copper	ug/L	20	17	86	85 - 118	18	90	4.40	20	J
Zinc	ug/L	520	460	89	83 - 119	480	91	3	20	J
Arsenic	ug/L	20	21	89	84 - 116	21	90	1	20	J
Selenium	ug/L	20	18	89	80 - 120	18	89	0.20	20	J
Silver	ug/L	20	17	86	85 - 116	17	87	2	20	J
Cadmium	ug/L	20	19	94	87 - 115	19	96	2.30	20	J
Antimony	ug/L	20	21	107	85 - 117	22	109	2.60	20	J
Barium	ug/L	20	92	88	86 - 114	91	**83**	1	20	J
Thallium	ug/L	20	20	98	82 - 116	20	100	1.80	20	J
Lead	ug/L	20	19	97	88 - 115	19	97	0	20	J

QC Result Comments

Matrix Spike Duplicate - 5426836 - Barium

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Results

QC Batch: ICMj/4578 **Analysis Method:** DoD SW-846 6020A
Preparation Method: SW-846 3010A
Associated Lab IDs: J2411215007, J2411215008, J2411215009, J2411215010, J2411215011

Method Blank(5434562)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Beryllium	2.0U	ug/L	1.0	2.0	4.0	J
Chromium	1.0U	ug/L	0.50	1.0	2.0	J
Nickel	2.5U	ug/L	1.2	2.5	5.0	J
Copper	2.0U	ug/L	1.0	2.0	4.0	J
Zinc	12U	ug/L	6.0	12	24	J
Arsenic	0.50U	ug/L	0.25	0.50	1.0	J
Selenium	2.5U	ug/L	1.2	2.5	5.0	J
Silver	1.0U	ug/L	0.50	1.0	2.0	J
Cadmium	0.50U	ug/L	0.25	0.50	1.0	J
Antimony	2.0U	ug/L	1.0	2.0	4.0	J
Barium	1.0U	ug/L	0.50	1.0	2.0	J
Thallium	0.50U	ug/L	0.25	0.50	1.0	J
Lead	1.0U	ug/L	0.50	1.0	2.0	J

Lab Control Sample (5434563)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Beryllium	ug/L	20	19	96	83 - 121	J
Chromium	ug/L	20	19	96	85 - 116	J
Nickel	ug/L	20	19	96	85 - 117	J
Copper	ug/L	20	19	95	85 - 118	J
Zinc	ug/L	520	520	101	83 - 119	J
Arsenic	ug/L	20	20	99	84 - 116	J
Selenium	ug/L	20	20	99	80 - 120	J
Silver	ug/L	20	19	96	85 - 116	J
Cadmium	ug/L	20	20	100	87 - 115	J
Antimony	ug/L	20	20	100	85 - 117	J
Barium	ug/L	20	19	97	86 - 114	J
Thallium	ug/L	20	20	98	82 - 116	J
Lead	ug/L	20	19	97	88 - 115	J

Matrix Spike (5434564); Matrix Spike Duplicate (5434565); Original (J2411312003); Parent Lab Sample (J2411312003)

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Batch: ICMj/4578 **Analysis Method:** DoD SW-846 6020A
Preparation Method: SW-846 3010A
Associated Lab IDs: J2411215007, J2411215008, J2411215009, J2411215010, J2411215011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Beryllium	ug/L	20	20	101	83 - 121	19	96	4.50	20	J
Chromium	ug/L	20	22	108	85 - 116	21	106	2.40	20	J
Nickel	ug/L	20	20	98	85 - 117	19	97	0.90	20	J
Copper	ug/L	20	18	91	85 - 118	18	91	0	20	J
Zinc	ug/L	520	500	97	83 - 119	490	95	2	20	J
Arsenic	ug/L	20	21	105	84 - 116	21	104	0.40	20	J
Selenium	ug/L	20	20	101	80 - 120	21	107	5	20	J
Silver	ug/L	20	19	94	85 - 116	19	93	1.80	20	J
Cadmium	ug/L	20	20	101	87 - 115	20	99	1.80	20	J
Antimony	ug/L	20	21	105	85 - 117	21	104	1	20	J
Barium	ug/L	20	84	106	86 - 114	83	101	1.20	20	J
Thallium	ug/L	20	21	105	82 - 116	21	104	0.90	20	J
Lead	ug/L	20	21	103	88 - 115	20	101	1.80	20	J

Matrix Spike (5434564); Matrix Spike Duplicate (5434565); Original (J2411312003); Parent Lab Sample (J2411312003)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Beryllium	ug/L	20	20	101	83 - 121	19	96	4.50	20	J
Chromium	ug/L	20	22	108	85 - 116	21	106	2.40	20	J
Nickel	ug/L	20	20	98	85 - 117	19	97	0.90	20	J
Copper	ug/L	20	18	91	85 - 118	18	91	0	20	J
Zinc	ug/L	520	500	97	83 - 119	490	95	2	20	J
Arsenic	ug/L	20	21	105	84 - 116	21	104	0.40	20	J
Selenium	ug/L	20	20	101	80 - 120	21	107	5	20	J
Silver	ug/L	20	19	94	85 - 116	19	93	1.80	20	J
Cadmium	ug/L	20	20	101	87 - 115	20	99	1.80	20	J
Antimony	ug/L	20	21	105	85 - 117	21	104	1	20	J
Barium	ug/L	20	84	106	86 - 114	83	101	1.20	20	J
Thallium	ug/L	20	21	105	82 - 116	21	104	0.90	20	J
Lead	ug/L	20	21	103	88 - 115	20	101	1.80	20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Results

QC Batch: MSSj/4179 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411215001, J2411215004, J2411215005, J2411215006, J2411215007, J2411215008, J2411215009, J2411215010, J2411215011

Method Blank(5421824)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Phenol	2.5U	ug/L	1.2	2.5	5.0	J
2-Chlorophenol	2.5U	ug/L	1.2	2.5	5.0	J
2-Methylphenol (o-Cresol)	2.5U	ug/L	1.2	2.5	5.0	J
3+4-Methylphenol(mp-Cresol)	5.0U	ug/L	2.5	5.0	10	J
2-Nitrophenol	2.5U	ug/L	1.2	2.5	5.0	J
2,4-Dimethylphenol	5.0U	ug/L	2.5	5.0	10	J
2,4-Dichlorophenol	2.5U	ug/L	1.2	2.5	5.0	J
4-Chloro-3-methylphenol	2.5U	ug/L	1.2	2.5	5.0	J
2,4,6-Trichlorophenol	2.5U	ug/L	1.2	2.5	5.0	J
2,4,5-Trichlorophenol	2.5U	ug/L	1.2	2.5	5.0	J
2,4-Dinitrophenol	2.5U	ug/L	1.2	2.5	5.0	J
4-Nitrophenol	5.0U	ug/L	2.5	5.0	10	J
2-Methyl-4,6-dinitrophenol	5.0U	ug/L	2.5	5.0	10	J
Pentachlorophenol	1.9U	ug/L	0.96	1.9	5.0	J
bis(2-Chloroethyl)Ether	2.5U	ug/L	1.2	2.5	5.0	J
bis(2-Chloroisopropyl) Ether	2.5U	ug/L	1.2	2.5	5.0	J
Acetophenone	2.5U	ug/L	1.2	2.5	5.0	J
N-Nitrosodi-n-propylamine	5.0U	ug/L	2.5	5.0	10	J
Hexachloroethane	2.5U	ug/L	1.2	2.5	5.0	J
Nitrobenzene	2.5U	ug/L	1.2	2.5	5.0	J
Isophorone	2.5U	ug/L	1.2	2.5	5.0	J
bis(2-Chloroethoxy)methane	2.5U	ug/L	1.2	2.5	5.0	J
Naphthalene	0.20U	ug/L	0.10	0.20	0.40	J
4-Chloroaniline	2.5U	ug/L	1.2	2.5	5.0	J
Hexachlorobutadiene	2.5U	ug/L	1.2	2.5	5.0	J
2-Methylnaphthalene	0.20U	ug/L	0.10	0.20	0.40	J
Hexachlorocyclopentadiene	5.0U	ug/L	2.5	5.0	10	J
2-Chloronaphthalene	2.5U	ug/L	1.2	2.5	5.0	J
2-Nitroaniline	2.5U	ug/L	1.2	2.5	5.0	J
Dimethyl phthalate	2.5U	ug/L	1.2	2.5	5.0	J
2,6-Dinitrotoluene (2,6-DNT)	5.0U	ug/L	2.5	5.0	10	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Batch: MSSj/4179 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411215001, J2411215004, J2411215005, J2411215006, J2411215007, J2411215008, J2411215009, J2411215010, J2411215011

Parameter	Results	Units	DL	LOD	LOQ	Lab
Acenaphthylene	0.20U	ug/L	0.10	0.20	0.40	J
3-Nitroaniline	2.5U	ug/L	1.2	2.5	5.0	J
Acenaphthene	0.20U	ug/L	0.10	0.20	0.40	J
Dibenzofuran	0.20U	ug/L	0.10	0.20	0.40	J
2,4-Dinitrotoluene (2,4-DNT)	5.0U	ug/L	2.5	5.0	10	J
Diethyl phthalate	2.5U	ug/L	1.2	2.5	5.0	J
Fluorene	0.20U	ug/L	0.10	0.20	0.40	J
4-Chlorophenyl Phenyl Ether	5.0U	ug/L	2.5	5.0	10	J
4-Nitroaniline	2.5U	ug/L	1.2	2.5	5.0	J
4-Bromophenyl Phenyl Ether	2.5U	ug/L	1.2	2.5	5.0	J
Hexachlorobenzene	2.5U	ug/L	1.2	2.5	5.0	J
Phenanthrene	0.20U	ug/L	0.10	0.20	0.40	J
Anthracene	0.20U	ug/L	0.10	0.20	0.40	J
Carbazole	0.20U	ug/L	0.10	0.20	0.40	J
Di-n-Butyl Phthalate	5.0U	ug/L	2.5	5.0	10	J
Fluoranthene	0.20U	ug/L	0.10	0.20	0.40	J
Pyrene	0.20U	ug/L	0.10	0.20	0.40	J
Butyl benzyl phthalate	5.0U	ug/L	2.5	5.0	10	J
Benzo[a]anthracene	0.099U	ug/L	0.050	0.099	0.40	J
3,3`-Dichlorobenzidine	5.0U	ug/L	2.5	5.0	10	J
Chrysene	0.20U	ug/L	0.10	0.20	0.40	J
bis(2-Ethylhexyl) phthalate	5.0U	ug/L	2.5	5.0	10	J
Di-n-octyl Phthalate	5.0U	ug/L	2.5	5.0	10	J
Benzo[b]fluoranthene	0.099U	ug/L	0.050	0.099	0.40	J
Benzo[k]fluoranthene	0.20U	ug/L	0.10	0.20	0.40	J
Benzo[a]pyrene	0.20U	ug/L	0.10	0.20	0.40	J
Indeno(1,2,3-cd)pyrene	0.099U	ug/L	0.050	0.099	0.40	J
Dibenzo[a,h]anthracene	0.20U	ug/L	0.10	0.20	0.40	J
Benzo[g,h,i]perylene	0.20U	ug/L	0.10	0.20	0.40	J
N-Nitrosodiphenylamine	5.0U	ug/L	2.5	5.0	10	J
Biphenyl	5.0U	ug/L	2.5	5.0	10	J
Atrazine	5.0U	ug/L	2.5	5.0	10	J
Benzaldehyde	5.0U	ug/L	2.5	5.0	10	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Batch: MSSj/4179 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411215001, J2411215004, J2411215005, J2411215006, J2411215007, J2411215008, J2411215009, J2411215010, J2411215011

Parameter	Results	Units	DL	LOD	LOQ	Lab
Caprolactam	5.0U	ug/L	2.5	5.0	10	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	0.05	0.0393	79	43 - 140	J
2-Fluorobiphenyl (S)	mg/L	0.05	0.0379	76	44 - 119	J
2-Fluorophenol (S)	mg/L	0.05	0.0385	77	19 - 119	J
2-Methylnaphthalene-d10 (S)	mg/L	0.05	0.0398	80	41 - 131	J
Fluoranthene-d10 (S)	mg/L	0.05	0.0451	90	49 - 126	J
Nitrobenzene-d5 (S)	mg/L	0.05	0.0367	73	44 - 120	J
Phenol-d6 (S)	mg/L	0.05	0.0378	76	21 - 132	J
p-Terphenyl-d14 (S)	mg/L	0.05	0.0386	77	50 - 134	J

Lab Control Sample (5421825); Lab Control Sample Duplicate (5421826); Parent Lab Sample (J2411215001, J2411215004, J2411215005, J2411215006, J2411215007, J2411215008, J2411215009, J2411215010, J2411215011)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Phenol	ug/L	50	24	49	38 - 113	25	50	3.30	20	J
2-Chlorophenol	ug/L	50	35	70	38 - 117	36	72	2.70	20	J
2-Methylphenol (o-Cresol)	ug/L	50	35	71	30 - 117	36	72	1.60	20	J
3+4-Methylphenol(mp-Cres	ug/L	50	34	69	29 - 110	35	70	1.70	20	J
2-Nitrophenol	ug/L	50	36	72	47 - 123	38	77	6.50	20	J
2,4-Dimethylphenol	ug/L	50	42	84	31 - 124	43	87	3.60	20	J
2,4-Dichlorophenol	ug/L	50	36	71	47 - 121	37	75	5	20	J
4-Chloro-3-methylphenol	ug/L	50	37	73	52 - 119	38	75	2.50	20	J
2,4,6-Trichlorophenol	ug/L	50	37	73	50 - 125	37	75	1.90	20	J
2,4,5-Trichlorophenol	ug/L	50	37	74	53 - 123	38	76	2	20	J
2,4-Dinitrophenol	ug/L	50	40	80	23 - 143	41	82	2.70	20	J
4-Nitrophenol	ug/L	50	29	57	45 - 127	28	56	3	20	J
2-Methyl-4,6-dinitrophenol	ug/L	50	43	86	44 - 137	44	88	2.30	20	J
Pentachlorophenol	ug/L	50	33	65	35 - 138	33	66	2.20	20	J
bis(2-Chloroethyl)Ether	ug/L	50	33	66	43 - 118	34	69	3.60	20	J
bis(2-Chloroisopropyl) Ethe	ug/L	50	34	67	37 - 130	35	69	3.20	20	J
Acetophenone	ug/L	50	34	67	46 - 118	35	70	4.40	20	J
N-Nitrosodi-n-propylamine	ug/L	50	35	70	49 - 119	36	73	3.30	20	J
Hexachloroethane	ug/L	50	32	63	21 - 115	33	66	3.50	20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Batch: MSSj/4179 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411215001, J2411215004, J2411215005, J2411215006, J2411215007, J2411215008, J2411215009, J2411215010, J2411215011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Nitrobenzene	ug/L	50	34	68	45 - 121	35	71	4.40	20	J
Isophorone	ug/L	50	34	67	42 - 124	36	71	6.30	20	J
bis(2-Chloroethoxy)methan	ug/L	50	34	68	48 - 120	36	72	5.10	20	J
Naphthalene	ug/L	50	34	69	43 - 114	36	72	5.30	20	J
4-Chloroaniline	ug/L	50	30	61	33 - 117	33	65	7.10	20	J
Hexachlorobutadiene	ug/L	50	32	65	22 - 124	34	68	5.20	20	J
2-Methylnaphthalene	ug/L	50	34	68	39 - 114	36	73	6.30	20	J
Hexachlorocyclopentadiene	ug/L	50	52	104	51 - 141	54	109	4.20	20	J
2-Chloronaphthalene	ug/L	50	34	68	40 - 116	34	69	1.20	20	J
2-Nitroaniline	ug/L	50	38	76	55 - 127	39	78	1.70	20	J
Dimethyl phthalate	ug/L	50	36	72	45 - 127	37	74	3.20	20	J
2,6-Dinitrotoluene (2,6-DNT	ug/L	50	38	76	57 - 124	38	76	0.30	20	J
Acenaphthylene	ug/L	50	41	82	35 - 121	42	83	1.40	20	J
3-Nitroaniline	ug/L	50	38	76	41 - 128	39	78	2.70	20	J
Acenaphthene	ug/L	50	36	72	48 - 114	36	72	1.10	20	J
Dibenzofuran	ug/L	50	36	72	35 - 120	37	74	2.80	20	J
2,4-Dinitrotoluene (2,4-DNT	ug/L	50	37	74	57 - 128	39	78	5.30	20	J
Diethyl phthalate	ug/L	50	36	73	56 - 125	37	74	1.60	20	J
Fluorene	ug/L	50	37	75	50 - 118	38	76	1.50	20	J
4-Chlorophenyl Phenyl Eth	ug/L	50	35	71	53 - 121	36	72	1.70	20	J
4-Nitroaniline	ug/L	50	40	80	64 - 143	41	81	1.70	20	J
4-Bromophenyl Phenyl Eth	ug/L	50	37	74	55 - 124	38	76	2.90	20	J
Hexachlorobenzene	ug/L	50	36	72	53 - 125	38	76	5	20	J
Phenanthrene	ug/L	50	37	74	53 - 115	38	77	3.50	20	J
Anthracene	ug/L	50	37	73	53 - 119	37	75	2.20	20	J
Carbazole	ug/L	50	38	76	45 - 123	39	78	2.40	20	J
Di-n-Butyl Phthalate	ug/L	50	37	74	59 - 127	39	78	5.20	20	J
Fluoranthene	ug/L	50	38	76	58 - 120	39	78	2.60	20	J
Pyrene	ug/L	50	36	72	53 - 121	37	74	3.30	20	J
Butyl benzyl phthalate	ug/L	50	37	74	53 - 134	37	75	1.30	20	J
Benzo[a]anthracene	ug/L	50	38	75	59 - 120	39	78	3.50	20	J
3,3`-Dichlorobenzidine	ug/L	50	31	62	27 - 129	32	63	1.50	20	J
Chrysene	ug/L	50	36	73	57 - 120	37	74	2.40	20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Batch: MSSj/4179 **Analysis Method:** DoD SW-846 8270D
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411215001, J2411215004, J2411215005, J2411215006, J2411215007, J2411215008, J2411215009, J2411215010, J2411215011

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
bis(2-Ethylhexyl) phthalate	ug/L	50	36	72	55 - 135	37	74	1.90	20	J
Di-n-octyl Phthalate	ug/L	50	37	73	51 - 140	38	76	3.40	20	J
Benzo[b]fluoranthene	ug/L	50	40	81	53 - 126	43	87	7.40	20	J
Benzo[k]fluoranthene	ug/L	50	36	73	54 - 125	38	77	5	20	J
Benzo[a]pyrene	ug/L	50	41	82	53 - 120	43	86	4.50	20	J
Indeno(1,2,3-cd)pyrene	ug/L	50	40	80	48 - 130	43	87	7.40	20	J
Dibenzo[a,h]anthracene	ug/L	50	41	83	44 - 131	46	91	9.40	20	J
Benzo[g,h,i]perylene	ug/L	50	39	78	44 - 128	42	84	7.40	20	J
N-Nitrosodiphenylamine	ug/L	50	31	63	51 - 123	33	65	3.80	20	J
Biphenyl	ug/L	50	35	69	49 - 115	35	71	2.30	20	J
Atrazine	ug/L	50	33	67	44 - 142	36	72	8	20	J
Benzaldehyde	ug/L	50	28	55	10 - 98	27	54	2.80	20	J
Caprolactam	ug/L	50	17	35	33 - 132	18	36	4.40	20	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2,4,6-Tribromophenol (S)	mg/L	0.05	0.0349	70	43 - 140	0.0347	69	0.70		J
2-Fluorobiphenyl (S)	mg/L	0.05	0.0331	66	44 - 119	0.0339	68	2.50		J
2-Fluorophenol (S)	mg/L	0.05	0.0263	53	19 - 119	0.0273	55	3.80		J
2-Methylnaphthalene-d10 (S)	mg/L	0.05	0.0362	72	41 - 131	0.0375	75	3.70		J
Fluoranthene-d10 (S)	mg/L	0.05	0.0386	77	49 - 126	0.04	80	3.60		J
Nitrobenzene-d5 (S)	mg/L	0.05	0.0317	63	44 - 120	0.0339	68	6.80		J
Phenol-d6 (S)	mg/L	0.05	0.0212	42	21 - 132	0.0220	44	3.80		J
p-Terphenyl-d14 (S)	mg/L	0.05	0.0330	66	50 - 134	0.0345	69	4.50		J

QC Result Comments

Method Blank - 5421824 - Hexachloroethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Method Blank - 5421824 - bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample - 5421825 - Hexachloroethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Result Comments

Lab Control Sample - 5421825 - bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample Duplicate - 5421826 - 3+4-Methylphenol(mp-Cresol)

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample Duplicate - 5421826 - Hexachloroethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample Duplicate - 5421826 - bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Results

QC Batch: MSSj/4208 **Analysis Method:** DOD SW-846 8270D SIM
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411215001, J2411215002, J2411215003, J2411215004, J2411215005, J2411215006, J2411215007, J2411215008, J2411215009, J2411215010

Method Blank(5423075)

Parameter	Results	Units	DL	LOD	LOQ	Lab
1,4-Dioxane	0.40U	ug/L	0.20	0.40	0.80	J
Nitrobenzene-d5	**8.97**	ug/L				J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nitrobenzene-d5 (S)	ug/L	10	8.97	90	55 - 111	J

Lab Control Sample (5423076); Lab Control Sample Duplicate (5423077); Parent Lab Sample (J2411215001, J2411215002, J2411215003, J2411215004, J2411215005, J2411215006, J2411215007, J2411215008, J2411215009, J2411215010)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,4-Dioxane	ug/L	5	5.1	102	59 - 139	5.3	106	3.20	20	J
Nitrobenzene-d5	ug/L	10	8.58	86	55 - 111			1.60		J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Nitrobenzene-d5 (S)	ug/L	10	8.58	86	55 - 111	8.44	84	1.60		J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Results

QC Batch: MSVj/10329 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5030B
Associated Lab IDs: J2411215001, J2411215004, J2411215005, J2411215006, J2411215007, J2411215008, J2411215009, J2411215010

Method Blank(5420044)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Dichlorodifluoromethane	1.0U	ug/L	0.50	1.0	2.0	J
Chloromethane	0.50U	ug/L	0.25	0.50	1.0	J
Vinyl Chloride	0.50U	ug/L	0.25	0.50	1.0	J
Bromomethane	1.0U	ug/L	0.50	1.0	2.0	J
Chloroethane	1.0U	ug/L	0.50	1.0	2.0	J
Trichlorofluoromethane	1.0U	ug/L	0.50	1.0	2.0	J
Acetone	1.0U	ug/L	0.50	1.0	2.0	J
1,1-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	J
Methylene Chloride	2.5U	ug/L	1.2	2.5	5.0	J
Carbon Disulfide	1.0U	ug/L	0.50	1.0	2.0	J
trans-1,2-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	J
Methyl tert-butyl Ether (MTBE)	0.50U	ug/L	0.25	0.50	1.0	J
1,1-Dichloroethane	0.50U	ug/L	0.25	0.50	1.0	J
2-Butanone (MEK)	0.50U	ug/L	0.25	0.50	1.0	J
cis-1,2-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	J
Chloroform	1.0U	ug/L	0.50	1.0	2.0	J
1,2-Dichloroethane	0.50U	ug/L	0.25	0.50	1.0	J
1,1,1-Trichloroethane	1.0U	ug/L	0.50	1.0	2.0	J
Carbon Tetrachloride	0.50U	ug/L	0.25	0.50	1.0	J
Benzene	0.50U	ug/L	0.25	0.50	1.0	J
1,2-Dichloropropane	0.50U	ug/L	0.25	0.50	1.0	J
Trichloroethene	0.50U	ug/L	0.25	0.50	1.0	J
Bromodichloromethane	0.50U	ug/L	0.25	0.50	1.0	J
cis-1,3-Dichloropropene	0.40U	ug/L	0.20	0.40	1.0	J
4-Methyl-2-pentanone (MIBK)	1.0U	ug/L	0.50	1.0	2.0	J
trans-1,3-Dichloropropylene	0.40U	ug/L	0.20	0.40	1.0	J
1,1,2-Trichloroethane	0.50U	ug/L	0.25	0.50	1.0	J
Toluene	0.50U	ug/L	0.25	0.50	1.0	J
2-Hexanone	1.0U	ug/L	0.50	1.0	2.0	J
Dibromochloromethane	0.40U	ug/L	0.20	0.40	1.0	J
Ethylene Dibromide (EDB)	0.50U	ug/L	0.25	0.50	1.0	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Batch: MSVj/10329 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5030B
Associated Lab IDs: J2411215001, J2411215004, J2411215005, J2411215006, J2411215007, J2411215008, J2411215009, J2411215010

Parameter	Results	Units	DL	LOD	LOQ	Lab
Tetrachloroethylene (PCE)	0.50U	ug/L	0.25	0.50	1.0	J
Chlorobenzene	1.0U	ug/L	0.50	1.0	2.0	J
Ethylbenzene	0.50U	ug/L	0.25	0.50	1.0	J
Bromoform	0.50U	ug/L	0.25	0.50	1.0	J
Styrene	1.0U	ug/L	0.50	1.0	2.0	J
1,1,2,2-Tetrachloroethane	0.40U	ug/L	0.20	0.40	1.0	J
Isopropylbenzene	0.50U	ug/L	0.25	0.50	1.0	J
1,3-Dichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	J
1,4-Dichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	J
1,2-Dichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	J
1,2-Dibromo-3-Chloropropane	2.5U	ug/L	1.2	2.5	5.0	J
1,2,4-Trichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	J
Xylene (Total)	1.5U	ug/L	0.75	1.5	3.0	J
1,1,2-Trichlorotrifluoroethane	1.0U	ug/L	0.50	1.0	2.0	J
Cyclohexane	1.0U	ug/L	0.50	1.0	2.0	J
Methyl Acetate	1.0U	ug/L	0.50	1.0	2.0	J
Methyl Cyclohexane	1.0U	ug/L	0.50	1.0	2.0	J
1,4-Dioxane	2.5U	ug/L	1.2	2.5	5.0	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	53.60	107	81 - 118	J
Bromofluorobenzene (S)	ug/L	50	54.30	109	85 - 114	J
Toluene-d8 (S)	ug/L	50	49.10	98	89 - 112	J

Lab Control Sample (5420045)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	ug/L	20	17	86	32 - 152	J
Chloromethane	ug/L	20	18	90	50 - 139	J
Vinyl Chloride	ug/L	20	19	93	58 - 137	J
Bromomethane	ug/L	20	21	103	53 - 141	J
Chloroethane	ug/L	20	21	107	60 - 138	J
Trichlorofluoromethane	ug/L	20	18	92	65 - 141	J
Acetone	ug/L	20	20	102	39 - 160	J
1,1-Dichloroethylene	ug/L	20	20	98	71 - 131	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Batch: MSVj/10329 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5030B
Associated Lab IDs: J2411215001, J2411215004, J2411215005, J2411215006, J2411215007, J2411215008, J2411215009, J2411215010

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Methylene Chloride	ug/L	20	20	101	74 - 124	J
Carbon Disulfide	ug/L	20	19	94	64 - 133	J
trans-1,2-Dichloroethylene	ug/L	20	20	98	75 - 124	J
Methyl tert-butyl Ether (MTBE)	ug/L	20	19	96	71 - 124	J
1,1-Dichloroethane	ug/L	20	19	97	77 - 125	J
2-Butanone (MEK)	ug/L	20	20	99	56 - 143	J
cis-1,2-Dichloroethylene	ug/L	20	19	97	78 - 123	J
Chloroform	ug/L	20	19	96	79 - 124	J
1,2-Dichloroethane	ug/L	20	21	105	73 - 128	J
1,1,1-Trichloroethane	ug/L	20	19	93	74 - 131	J
Carbon Tetrachloride	ug/L	20	20	99	72 - 136	J
Benzene	ug/L	20	20	98	79 - 120	J
1,2-Dichloropropane	ug/L	20	19	96	78 - 122	J
Trichloroethene	ug/L	20	18	92	79 - 123	J
Bromodichloromethane	ug/L	20	19	97	79 - 125	J
cis-1,3-Dichloropropene	ug/L	20	19	95	75 - 124	J
4-Methyl-2-pentanone (MIBK)	ug/L	20	20	98	67 - 130	J
trans-1,3-Dichloropropylene	ug/L	20	19	93	73 - 127	J
1,1,2-Trichloroethane	ug/L	20	19	93	80 - 119	J
Toluene	ug/L	20	19	96	80 - 121	J
2-Hexanone	ug/L	20	20	100	57 - 139	J
Dibromochloromethane	ug/L	20	19	96	74 - 126	J
Ethylene Dibromide (EDB)	ug/L	20	20	102	77 - 121	J
Tetrachloroethylene (PCE)	ug/L	20	19	94	74 - 129	J
Chlorobenzene	ug/L	20	19	94	82 - 118	J
Ethylbenzene	ug/L	20	19	97	79 - 121	J
Bromoform	ug/L	20	18	89	66 - 130	J
Styrene	ug/L	20	19	93	78 - 123	J
1,1,2,2-Tetrachloroethane	ug/L	20	20	102	71 - 121	J
Isopropylbenzene	ug/L	20	19	95	72 - 131	J
1,3-Dichlorobenzene	ug/L	20	19	95	80 - 119	J
1,4-Dichlorobenzene	ug/L	20	19	94	79 - 118	J
1,2-Dichlorobenzene	ug/L	20	19	94	80 - 119	J
1,2-Dibromo-3-Chloropropane	ug/L	20	21	104	62 - 128	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Batch: MSVj/10329 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5030B
Associated Lab IDs: J2411215001, J2411215004, J2411215005, J2411215006, J2411215007, J2411215008, J2411215009, J2411215010

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2,4-Trichlorobenzene	ug/L	20	18	88	69 - 130	J
Xylene (Total)	ug/L	60	57	95	79 - 121	J
1,1,2-Trichlorotrifluoroethane	ug/L	20	19	93	70 - 136	J
Cyclohexane	ug/L	20	20	99	71 - 130	J
Methyl Acetate	ug/L	20	20	102	56 - 136	J
Methyl Cyclohexane	ug/L	20	19	96	72 - 132	J
1,4-Dioxane	ug/L	20	18	92	59 - 139	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	53.90	108	81 - 118	J
Bromofluorobenzene (S)	ug/L	50	49.80	100	85 - 114	J
Toluene-d8 (S)	ug/L	50	50.60	101	89 - 112	J

Matrix Spike (5420046); Matrix Spike Duplicate (5420047); Original (J2411185005); Parent Lab Sample (J2411185005)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	ug/L	20	16	78	32 - 152	20	102	**28**	20	J
Chloromethane	ug/L	20	16	78	50 - 139	21	103	**28**	20	J
Vinyl Chloride	ug/L	20	16	82	58 - 137	21	107	**26**	20	J
Bromomethane	ug/L	20	12	62	53 - 141	18	88	**35**	20	J
Chloroethane	ug/L	20	20	102	60 - 138	26	128	**23**	20	J
Trichlorofluoromethane	ug/L	20	18	91	65 - 141	24	120	**28**	20	J
Acetone	ug/L	20	21	105	39 - 160	26	128	20	20	J
1,1-Dichloroethylene	ug/L	20	18	91	71 - 131	23	116	**24**	20	J
Methylene Chloride	ug/L	20	20	101	74 - 124	25	**126**	**23**	20	J
Carbon Disulfide	ug/L	20	17	86	64 - 133	23	113	**27**	20	J
trans-1,2-Dichloroethylene	ug/L	20	18	90	75 - 124	23	116	**25**	20	J
Methyl tert-butyl Ether (MT	ug/L	20	18	90	71 - 124	23	115	**24**	20	J
1,1-Dichloroethane	ug/L	20	18	91	77 - 125	23	116	**23**	20	J
2-Butanone (MEK)	ug/L	20	17	87	56 - 143	22	111	**24**	20	J
cis-1,2-Dichloroethylene	ug/L	20	18	91	78 - 123	23	117	**25**	20	J
Chloroform	ug/L	20	18	92	79 - 124	24	120	**26**	20	J
1,2-Dichloroethane	ug/L	20	20	101	73 - 128	26	**129**	**25**	20	J
1,1,1-Trichloroethane	ug/L	20	17	85	74 - 131	22	112	**27**	20	J
Carbon Tetrachloride	ug/L	20	18	92	72 - 136	24	120	**26**	20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Batch: MSVj/10329 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5030B
Associated Lab IDs: J2411215001, J2411215004, J2411215005, J2411215006, J2411215007, J2411215008, J2411215009, J2411215010

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzene	ug/L	20	19	93	79 - 120	23	115	**22**	20	J
1,2-Dichloropropane	ug/L	20	18	92	78 - 122	24	118	**24**	20	J
Trichloroethene	ug/L	20	17	83	79 - 123	21	106	**24**	20	J
Bromodichloromethane	ug/L	20	19	93	79 - 125	24	119	**25**	20	J
cis-1,3-Dichloropropene	ug/L	20	17	86	75 - 124	22	111	**25**	20	J
4-Methyl-2-pentanone (MIB	ug/L	20	20	101	67 - 130	24	121	19	20	J
trans-1,3-Dichloropropylene	ug/L	20	17	85	73 - 127	22	108	**24**	20	J
1,1,2-Trichloroethane	ug/L	20	18	90	80 - 119	23	115	**25**	20	J
Toluene	ug/L	20	17	84	80 - 121	22	108	**25**	20	J
2-Hexanone	ug/L	20	18	92	57 - 139	23	117	**24**	20	J
Dibromochloromethane	ug/L	20	18	88	74 - 126	22	111	**24**	20	J
Ethylene Dibromide (EDB)	ug/L	20	19	93	77 - 121	24	118	**24**	20	J
Tetrachloroethylene (PCE)	ug/L	20	15	76	74 - 129	20	98	**25**	20	J
Chlorobenzene	ug/L	20	17	83	82 - 118	22	109	**28**	20	J
Ethylbenzene	ug/L	20	17	83	79 - 121	22	110	**28**	20	J
Bromoform	ug/L	20	16	79	66 - 130	21	105	**29**	20	J
Styrene	ug/L	20	17	84	78 - 123	22	108	**25**	20	J
1,1,2,2-Tetrachloroethane	ug/L	20	20	98	71 - 121	24	**122**	**22**	20	J
Isopropylbenzene	ug/L	20	16	81	72 - 131	21	107	**28**	20	J
1,3-Dichlorobenzene	ug/L	20	16	80	80 - 119	21	105	**27**	20	J
1,4-Dichlorobenzene	ug/L	20	16	79	79 - 118	20	102	**24**	20	J
1,2-Dichlorobenzene	ug/L	20	16	82	80 - 119	21	107	**27**	20	J
1,2-Dibromo-3-Chloropropa	ug/L	20	21	104	62 - 128	25	123	16	20	J
1,2,4-Trichlorobenzene	ug/L	20	14	**68**	69 - 130	18	92	**29**	20	J
Xylene (Total)	ug/L	60	49	82	79 - 121	65	108	**27**	20	J
1,1,2-Trichlorotrifluoroethan	ug/L	20	15	77	70 - 136	20	102	**27**	20	J
Cyclohexane	ug/L	20	18	88	71 - 130	23	115	**27**	20	J
Methyl Acetate	ug/L	20	17	87	56 - 136	20	99	13	20	J
Methyl Cyclohexane	ug/L	20	16	78	72 - 132	20	100	**25**	20	J
1,4-Dioxane	ug/L	20	15	73	59 - 139	21	107	**37**	20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Batch: MSVj/10329 **Analysis Method:** DoD SW-846 8260C
Preparation Method: SW-846 5030B
Associated Lab IDs: J2411215001, J2411215004, J2411215005, J2411215006, J2411215007, J2411215008, J2411215009, J2411215010

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	54.20	108	81 - 118	54.40	109	0.40		J
Bromofluorobenzene (S)	ug/L	50	50.60	101	85 - 114	50.10	100	1		J
Toluene-d8 (S)	ug/L	50	50.20	100	89 - 112	49.60	99	1.30		J

QC Result Comments

Method Blank - 5420044 - Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample - 5420045 - Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Matrix Spike - 5420046 - 1,2,4-Trichlorobenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - 1,1,1-Trichloroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - 1,1,2,2-Tetrachloroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - 1,1,2-Trichloroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - 1,1,2-Trichlorotrifluoroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - 1,1-Dichloroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - 1,1-Dichloroethylene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - 1,2,4-Trichlorobenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - 1,2-Dichlorobenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - 1,2-Dichloroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - 1,2-Dichloropropane

*|MS/MSD recovery and/or RPD is out of criteria

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Result Comments

Matrix Spike Duplicate - 5420047 - 1,3-Dichlorobenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - 1,4-Dichlorobenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - 1,4-Dioxane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - 2-Butanone (MEK)

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - 2-Hexanone

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Benzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Bromodichloromethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Bromoform

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Bromomethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Carbon Disulfide

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Carbon Tetrachloride

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Chlorobenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Chloroethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Chloroform

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Chloromethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Cyclohexane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Dibromochloromethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Dichlorodifluoromethane

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Result Comments

Matrix Spike Duplicate - 5420047 - Ethylbenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Ethylene Dibromide (EDB)

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Isopropylbenzene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Methyl Cyclohexane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Methyl tert-butyl Ether (MTBE)

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Methylene Chloride

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Styrene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Tetrachloroethylene (PCE)

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Toluene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Trichloroethene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Trichlorofluoromethane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Vinyl Chloride

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - Xylene (Total)

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - cis-1,2-Dichloroethylene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - cis-1,3-Dichloropropene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - trans-1,2-Dichloroethylene

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5420047 - trans-1,3-Dichloropropylene

*|MS/MSD recovery and/or RPD is out of criteria

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
CVAj/2527 - DoD SW-846 7470A			
J2411215001	TMW-18	DGMj/8743	SW-846 7470A
J2411215004	TMW-8	DGMj/8743	SW-846 7470A
J2411215005	TMW-5	DGMj/8743	SW-846 7470A
J2411215006	TMW-7	DGMj/8743	SW-846 7470A
J2411215007	TMW-9	DGMj/8743	SW-846 7470A
J2411215008	TMW-10	DGMj/8743	SW-846 7470A
J2411215009	TMW-4	DGMj/8743	SW-846 7470A
J2411215010	TMW-14	DGMj/8743	SW-846 7470A
J2411215011	TMW-15	DGMj/8743	SW-846 7470A
GCSj/6735 - DOD SW-846 8081B			
J2411215001	TMW-18	EXTj/9660	SW-846 3510C
J2411215002	TMW-17	EXTj/9660	SW-846 3510C
J2411215004	TMW-8	EXTj/9660	SW-846 3510C
J2411215005	TMW-5	EXTj/9660	SW-846 3510C
J2411215006	TMW-7	EXTj/9660	SW-846 3510C
J2411215007	TMW-9	EXTj/9660	SW-846 3510C
J2411215008	TMW-10	EXTj/9660	SW-846 3510C
J2411215009	TMW-4	EXTj/9660	SW-846 3510C
J2411215010	TMW-14	EXTj/9660	SW-846 3510C
GCSj/6736 - DoD SW-846 8082A			
J2411215001	TMW-18	EXTj/9661	SW-846 3510C
J2411215005	TMW-5	EXTj/9661	SW-846 3510C
J2411215008	TMW-10	EXTj/9661	SW-846 3510C
J2411215010	TMW-14	EXTj/9661	SW-846 3510C
GCSj/6744 - DoD SW-846 8141B			
J2411215001	TMW-18	EXTj/9659	SW-846 3510C
J2411215005	TMW-5	EXTj/9659	SW-846 3510C
J2411215008	TMW-10	EXTj/9659	SW-846 3510C
J2411215010	TMW-14	EXTj/9659	SW-846 3510C
GCSj/6773 - DOD SW-846 8081B			
J2411215011	TMW-15	EXTj/9699	SW-846 3510C

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
GCSj/6786 - DoD SW-846 8082A			
J2411215002	TMW-17	EXTj/9702	SW-846 3510C
J2411215004	TMW-8	EXTj/9702	SW-846 3510C
J2411215006	TMW-7	EXTj/9702	SW-846 3510C
J2411215007	TMW-9	EXTj/9702	SW-846 3510C
J2411215009	TMW-4	EXTj/9702	SW-846 3510C
GCSj/6798 - DoD SW-846 8141B			
J2411215002	TMW-17	EXTj/9701	SW-846 3510C
J2411215004	TMW-8	EXTj/9701	SW-846 3510C
J2411215006	TMW-7	EXTj/9701	SW-846 3510C
J2411215007	TMW-9	EXTj/9701	SW-846 3510C
J2411215009	TMW-4	EXTj/9701	SW-846 3510C
ICMj/4573 - DoD SW-846 6020A			
J2411215001	TMW-18	DGMj/8771	SW-846 3010A
J2411215004	TMW-8	DGMj/8771	SW-846 3010A
J2411215005	TMW-5	DGMj/8771	SW-846 3010A
J2411215006	TMW-7	DGMj/8771	SW-846 3010A
ICMj/4578 - DoD SW-846 6020A			
J2411215007	TMW-9	DGMj/8794	SW-846 3010A
J2411215008	TMW-10	DGMj/8794	SW-846 3010A
J2411215009	TMW-4	DGMj/8794	SW-846 3010A
J2411215010	TMW-14	DGMj/8794	SW-846 3010A
J2411215011	TMW-15	DGMj/8794	SW-846 3010A
MSSj/4179 - DoD SW-846 8270D			
J2411215001	TMW-18	EXTj/9688	SW-846 3510C
J2411215004	TMW-8	EXTj/9688	SW-846 3510C
J2411215005	TMW-5	EXTj/9688	SW-846 3510C
J2411215006	TMW-7	EXTj/9688	SW-846 3510C
J2411215007	TMW-9	EXTj/9688	SW-846 3510C
J2411215008	TMW-10	EXTj/9688	SW-846 3510C
J2411215009	TMW-4	EXTj/9688	SW-846 3510C
J2411215010	TMW-14	EXTj/9688	SW-846 3510C
J2411215011	TMW-15	EXTj/9688	SW-846 3510C

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Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411215)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSSj/4208 - DOD SW-846 8270D SIM			
J2411215001	TMW-18	EXTj/9694	SW-846 3510C
J2411215002	TMW-17	EXTj/9694	SW-846 3510C
J2411215003	TMW-20	EXTj/9694	SW-846 3510C
J2411215004	TMW-8	EXTj/9694	SW-846 3510C
J2411215005	TMW-5	EXTj/9694	SW-846 3510C
J2411215006	TMW-7	EXTj/9694	SW-846 3510C
J2411215007	TMW-9	EXTj/9694	SW-846 3510C
J2411215008	TMW-10	EXTj/9694	SW-846 3510C
J2411215009	TMW-4	EXTj/9694	SW-846 3510C
J2411215010	TMW-14	EXTj/9694	SW-846 3510C
MSVj/10329 - DoD SW-846 8260C			
J2411215001	TMW-18	MSVj/10328	SW-846 5030B
J2411215004	TMW-8	MSVj/10328	SW-846 5030B
J2411215005	TMW-5	MSVj/10328	SW-846 5030B
J2411215006	TMW-7	MSVj/10328	SW-846 5030B
J2411215007	TMW-9	MSVj/10328	SW-846 5030B
J2411215008	TMW-10	MSVj/10328	SW-846 5030B
J2411215009	TMW-4	MSVj/10328	SW-846 5030B
J2411215010	TMW-14	MSVj/10328	SW-846 5030B

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☐ Fort Myers: 13100 Westlinks Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: E84492
☑ Jacksonville: 6681 Southpoint Pkwy., FL 32216 • 904.363.9350 • Lab ID: E82574
☐ Tallahassee: 2639 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: E811095
☐ Gainesville: 4965 SW 41st Blvd., FL 32608 • 352.377.2349 • Lab ID: E82001
☐ Mirama
☐ Tampa

* J24111215 *

Client Name:	Aerostar SES LLC
Address:	3550 St Johns Bluff Rd South
	Jacksonville, FL 32224
Phone:	904-565-2820
FAX:	
Contact:	Rick Levin
Sampled By:	Rick Levin / Ryan Reynolds
Turn Around Time:	Standard Rush
AEL Profile #:	78092

Project Name:	Rio Puerto Nuevo DMMA
Project Number:	117.24.1078.0001
PO Number:	
FDEP Facility No:	
FDEP Facility Addr:	
Special Instructions:	

ADaPT EQuIS Other

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	BOTTLE SIZE & TYPE	40 mL Vials	1L Amber	1L Amber	1L Amber							LABORATORY I.D. NUMBER
	ANALYSIS REQUIRED							8260 VOCs + 1,4 Dioxane	8270 TCL	8270Sim 1,4-Dioxane	8141/8081/8082	PP Metals (6020/7470)						
	Preservation							HCL	Ice	Ice	Ice	HNO3						
	Field-Filtered?																	
TMW-18		G	7-29-24	1130	GW	10		X	X	X	X	X						001
TMW-17	8081 + SIM	G	7-29-24	1445	GW	2				X	X							002
TMW-20	SIM	G	7-29-24	1510	GW	1				X								003
TMW-8	1-8270, 1-8081, 1-SIM	G	7-30-24	1040	GW	7		X	X	X	X	X						004
TMW-5		G	7-30-24	1300	GW	10		X	X	X	X	X						005
TMW-7	1-8270, 1-8081, 1-SIM	G	7-31-24	0835	GW	7		X	X	X	X	X						006
TMW-9	1-8270 1-8081, 1-SIM	G	7-31-24	0930	GW	7		X	X	X	X	X						007
TMW-10		G	7-31-24	1115	GW	10		X	X	X	X	X						008
TMW-4	1-8270 1-8081, 1-SIM	G	7-31-24	1030	GW	7		X	X	X	X	X						009
TMW-14			7-24-24	1450		10		X	X	X	X	X						010

Matrix Code: **WW** = wastewater **SW** = surface water **GW** = ground water **DW** = drinking water **O** = oil **A** = air **SO** = soil **SL** = sludge

Preservation Code: I = ice H=(HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Received on Ice ☑ Yes ☐ No ☑ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temp. when received (observed) ——— °C Temp. when received (corrected) 4.5 °C

DCN: AD-D051web Form last revised 08/07/2019 Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A

	Relinquished by:	Date	Time	Received by:	Date	Time
1	[signature] FEDEX	7-31-24	1700	FEDEX	7-31-24	1700
2	FEDEX	8-1-24	0900	T Campbell	8-1-24	0900
3						
4						

FOR DRINKING WATER USE:

(When PWS Information not otherwise supplied) PWS ID: _____

Contact Person: _____

Supplier of Water: _____

Site-Address: _____

Advanced Environmental Labs Inc

Client: Acrostar

Project name: Rio Puerto Nuevo

Date/Time Rcvd: 8-1-24 0900

Log-In request number: 2411215

Received by: TC

Completed by: SC

Cooler/Shipping Information:

Courier: ☐ AEL ☐ Client ☐ UPS ☐ Blue Streak ☑ FedEx ☐ AES ☐ ASAP ☐ Other (describe): _____

Type: ☑ Cooler ☐ Box ☐ Other (describe) _____

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

Cooler ID	1-8				
Temp (°C)	4.5				
Temp taken from	☑ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler
Temp measured with	☐ IR gun S/N 9333779 ☑ Thermometer (enter ID): 549	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):

Other Information:

Any discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact?	✓		
2. Were custody papers properly included with samples?	✓		
3. Were custody papers properly filled out (ink, signed, match labels)?	✓		
4. Did all bottles arrive in good condition (unbroken)?	✓		
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	✓		
6. Did the sample labels agree with the chain of custody?	✓		
7. Were correct bottles used for the tests indicated?	✓		
8. Were proper sample preservation techniques indicated on the label?	✓		
9. Were samples received within holding times?			
10. Were all VOA vials free of the presence of air bubbles?	✓		
11. Have all Soil VOA Vials and Encores been placed in a freezer within 48 hours of collection?			✓
12. Were samples in direct contact with wet ice? If "No," check one: ☐ NO ICE ☐ BLUE ICE	✓		
13. Was the cooler temperature less than 6°C?	✓		
14. Where pH preservation is required, are sample pHs checked and any anomalies recorded by Sample control? Are all <2 or >10? Note: VOA samples are checked by laboratory analysts.	✓		
15. Was sufficient sample volume provided to perform all tests?	✓		
16. If for Bacteriological testing, were containers supplied by AEL? (See QA officer if answer is no)			✓
17. Were all sample containers provided by AEL? (Other than Bacteriological)	✓		
18. Were samples accepted into the laboratory?	✓		
19. When necessary to split samples into other bottles, is it noted in the comments?	✓		
20. Where Encores received and if so, how many?			✓

Comments: (Note all sample(s) and container (s)" with a "No" checklist response in this comment section)

TMW-14 7-24-24 @ 1450 was not listed on COC

Added TMW-15 7-26-24 @ 0830 ~ only 1 liter of sample volume was received

DCN: AD-D048
Eff date 2/3/10, Last rev 2/3/21

Advanced Environmental Laboratories, Inc.

Work Order: J2411215
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6744

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: J2411215 was received by the lab past the recommended holding time. The analysis was performed as soon as possible after receipt by the laboratory. The data is qualified to indicate the holding time violation.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8141B

Preparation: SW-846 3510C

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: The lower control criteria was exceeded for surrogate Tributylphosphate in sample J2411215001. The data were qualified accordingly.

Spikes: The matrix spike (MS) and/or matrix spike duplicate (MSD) recoveries of Disulfoton, Fonofos, Ethyl Parathion, Simazine, Demeton O for J2411215010 were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. The affected sample is qualified to indicate matrix interference.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411215
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 10329

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8260C

Preparation: SW-846 5030B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: The upper control criterion was exceeded for Bromomethane in Initial Calibration Verification (ICV) standards for analytical batch 10329, indicating increased sensitivity. The client samples reported in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. The data were qualified accordingly.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes The relative percent difference (RPD) for the following analyte in the replicate matrix spike analyses of was outside control criteria: Vinyl Chloride. Failing RPD indicates inconsistency in the parent sample matrix. All spike recoveries in the MS, MSD and associated LCS were within acceptable limits, indicating the analytical batch was in control. The data were qualified accordingly.

Internal Standard: All acceptance criteria were met.

Samples: J2411215001, -006, -007, -008, and -009 required a dilution due to the presence of a foamy sample matrix (surfactants). The dilution was necessary to prevent foam over during the purge cycle, resulting in instrument damage.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411215
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 4578

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation:	All holding times were met.
Analysis:	All holding times were met.

III. Method

Analysis:	DoD SW-846 6020A
Preparation:	SW-846 3010A

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration:	All acceptance criteria were met.
Blanks:	All acceptance criteria were met.
Surrogates:	All acceptance criteria were met.
Spikes	All acceptance criteria were met.
Internal Standard:	All acceptance criteria were met.

Samples:	All acceptance criteria were met.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411215
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6736

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8082A

Preparation: SW-846 3510C

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: The control criteria for Tetrachloro-m-xylene and/or Decachlorobiphenyl in J2411215010 and matrix spike associated to sample J2411215008 are not applicable. As recorded in the extraction logbook, the samples formed emulsions in the solvent layer during the extraction. Such emulsions are known to negatively affect surrogate yields. The affected surrogates were qualified to indicate matrix interference.

Spikes All acceptance criteria were met.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411215
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 4573

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation:	All holding times were met.
Analysis:	All holding times were met.

III. Method

Analysis:	DoD SW-846 6020A
Preparation:	SW-846 3010A

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration:	All acceptance criteria were met.
Blanks:	All acceptance criteria were met.
Surrogates:	All acceptance criteria were met.
Spikes	The sample used for matrix spike was outside of the calibration range for the Matrix Spike, Matrix Spike Duplicate, and Post Spike. The sample was within the calibration range. The data was flagged accordingly.
Internal Standard:	Due to non-target background analytes, the proper quantitation of the internal standard in J2411215004, J2411215005, and J2411215006 was obstructed. In order to return the internal standard to within acceptance limits, this sample was analyzed at a dilution.
Samples:	All acceptance criteria were met.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411215
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6786

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8082A

Preparation: SW-846 3510C

IV. Preparation

Due to limited sample available for analysis, the initial volume for J2411215002 was 400mL, instead of the typical 1000mL required for the analysis. As a result of the reduced initial volume, the analytical result will be elevated.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: The control criteria for Tetrachloro-m-xylene and/or Decachlorobiphenyl in , J2411215007, and J2411215009 are not applicable. As recorded in the extraction logbook, the samples formed emulsions in the solvent layer during the extraction. Such emulsions are known to negatively affect surrogate yields. The affected surrogates were qualified to indicate matrix interference.

The upper control criterion was exceeded for the following surrogates in the Method Blank (MB): Decachlorobiphenyl and Tetrachloro-m-xylene. Target analytes associated with the surrogate in question were not detected in the samples. The error associated with an elevated recovery equates to a high bias. The quality of the sample data is not significantly affected. The data is flagged accordingly.

Spikes The control criteria for the matrix spike and matrix spike duplicate for sample J2411335002 are not applicable. The analysis of the sample(s) required a dilution, which results in a spike concentrations below the Practical Quantitation Limit (PQL). The LCS recoveries are acceptable indicating the batch is in control.

Internal Standard:	All acceptance criteria were met.
Samples:	The samples J2411215007 and associated Matrix Spike (MS), were diluted prior to instrumental analysis. The extracts were highly colored and viscous which indicated the need to perform a dilution prior to injection into the instrument.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411215
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6798

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation:	All holding times were met.
Analysis:	All holding times were met.

III. Method

Analysis:	DoD SW-846 8141B
Preparation:	SW-846 3510C

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration:	All acceptance criteria were met.
Blanks:	All acceptance criteria were met.
Surrogates:	All acceptance criteria were met.
Spikes	The matrix spike (MS) recoveries of multiple analytes were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. The affected sample is qualified to indicate matrix interference.
Internal Standard:	All acceptance criteria were met.
Samples:	All acceptance criteria were met.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411215
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6773

I. Receipt

J2411215011 was received by the lab past the recommended holding time. The analysis was performed as soon as possible after receipt by the laboratory. The data is qualified to indicate the holding time violation.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DOD SW-846 8081B

Preparation: SW-846 3510C

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: The upper control criterion was exceeded for the following surrogates in the Continuing Calibration Verification (CCV): Tetrachloro-m-xylene and Decachlorobiphenyl. Since the apparent problem equates to a potential high bias, the surrogates were flagged accordingly. The data was qualified accordingly.
The surrogate Decachlorobiphenyl in the Method Blank (MB) has exceeded the upper criteria. The data quality was not significantly impacted as there were no target analytes present in client samples. The data was qualified accordingly.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes All acceptance criteria were met.

Internal Standard: All acceptance criteria were met.

Samples: The samples J2411215011, J2411335003, J2411335002, 5423581MS were diluted prior to instrumental analysis. The extracts were highly colored and viscous which indicated the need to perform a dilution prior to injection into the instrument.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411215
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 4208

I. Receipt

J2411215010 was received by the lab past the recommended holding time. The analysis was performed as soon as possible after receipt by the laboratory. The data is qualified to indicate the holding time violation.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DOD SW-846 8270D SIM

Preparation: SW-846 3510C

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes All acceptance criteria were met.

Internal Standard: All acceptance criteria were met.

Samples: Due to insufficient volume for all requested test methods, all samples in the workorder J2411215 were extracted with only half of the normal volume of 1000mL. Due to this, the MDLs on the final report have been elevated.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411215
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6735

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: The sample J2411215010 was received by the lab past the recommended holding time. The analysis was performed as soon as possible after receipt by the laboratory. The data is qualified to indicate the holding time violation.

Analysis: All holding times were met.

III. Method

Analysis: DOD SW-846 8081B

Preparation: SW-846 3510C

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: The upper control criterion was exceeded for the analyte delta-BHC in the closing Continuing Calibration Verification (CCV) for batch GCSj: 6735. The client samples analyzed in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. The data has been qualified accordingly.

Blanks: All acceptance criteria were met.

Surrogates: The control criteria for surrogate Decachlorobiphenyl in J2411215010, J2411215006, J2411215007, and J2411215009 are not applicable. As recorded in the extraction logbook, the samples formed emulsions in the solvent layer during the extraction. Such emulsions are known to negatively affect surrogate yields. The affected surrogates were qualified to indicate matrix interference.

Spikes All acceptance criteria were met.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411215
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 4179

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: J2411215010 and 011 were received by the lab past the recommended holding time. The analysis was performed as soon as possible after receipt by the laboratory. The data is qualified to indicate the holding time violation.

III. Method

Analysis: DoD SW-846 8270D

Preparation: SW-846 3510C

IV. Preparation

Due to insufficient volume received from the client, J2411215001, 004, 005, 006, 007, 008, 009, 010 and 011 were prepped with a volume less than normal procedures. As a result, the reported MDL is elevated on the final report.

V. Analysis

Calibration: The upper control criterion was exceeded for 4,6-Dinitro-2-methylphenol, Indeno (1,2,3-cd) pyrene, and Dibenzo[a,h]anthracene in Continuing Calibration Verification (CCV) standards for analytical batch 4179, indicating increased sensitivity. The client samples reported in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.

Blanks: All acceptance criteria were met.

Surrogates: The control criteria for Phenol-d6, Nitrobenzene-d5, 2-Fluorobiphenyl, 2-Methylnaphthalene-d10 in J2411215001; Nitrobenzene-d5, 2-Fluorobiphenyl in J2411215004; Nitrobenzene-d5, 2-Fluorobiphenyl, p-Terphenyl-d14, 2-Methylnaphthalene-d10 in J2411215007; Nitrobenzene-d5,2-Fluorobiphenyl in J2411215008; Nitrobenzene-d5, 2-Fluorobiphenyl and 2-Methylnaphthalene-d10 in J2411215010 are not applicable. As recorded in the extraction logbook, the samples formed emulsions in the solvent layer during the extraction. Such emulsions are known to negatively affect surrogate yields. The affected surrogates were qualified to indicate matrix interference.

Spikes All acceptance criteria were met.

Internal Standard:	All acceptance criteria were met.
Samples:	The sample J2411215011 was diluted prior to instrumental analysis. The extracts were highly colored and viscous which indicated the need to perform a dilution prior to injection into the instrument.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

August 26, 2024

Rick Levin
Aerostar SES LLC (ASL)
3550 St Johns Bluff Road South
Jacksonville, FL 32224

RE: Workorder: J2411335 Bechara Lands/Rio Puerto Nuevo

Dear Rick Levin:

Enclosed are the analytical results for sample(s) received by the laboratory on Saturday August 3, 2024. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christina M. Tompkins

Chris Tompkins, Project Manager
CTompkins@aellab.com

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
J2411335001	TMW-3	WA	DOD SW-846 8081B	08/01/2024 11:10	08/03/2024 09:00	23	NA
J2411335001	TMW-3	WA	DOD SW-846 8270D SIM	08/01/2024 11:10	08/03/2024 09:00	1	NA
J2411335001	TMW-3	WA	DoD SW-846 6020A	08/01/2024 11:10	08/03/2024 09:00	13	NA
J2411335001	TMW-3	WA	DoD SW-846 7470A	08/01/2024 11:10	08/03/2024 09:00	1	NA
J2411335001	TMW-3	WA	DoD SW-846 8082A	08/01/2024 11:10	08/03/2024 09:00	9	NA
J2411335001	TMW-3	WA	DoD SW-846 8141B	08/01/2024 11:10	08/03/2024 09:00	25	NA
J2411335001	TMW-3	WA	DoD SW-846 8260C	08/01/2024 11:10	08/03/2024 09:00	49	NA
J2411335001	TMW-3	WA	DoD SW-846 8270D	08/01/2024 11:10	08/03/2024 09:00	65	NA
J2411335002	TMW-2	WA	DOD SW-846 8081B	08/01/2024 12:40	08/03/2024 09:00	23	NA
J2411335002	TMW-2	WA	DOD SW-846 8270D SIM	08/01/2024 12:40	08/03/2024 09:00	1	NA
J2411335002	TMW-2	WA	DoD SW-846 6020A	08/01/2024 12:40	08/03/2024 09:00	13	NA
J2411335002	TMW-2	WA	DoD SW-846 7470A	08/01/2024 12:40	08/03/2024 09:00	1	NA
J2411335002	TMW-2	WA	DoD SW-846 8082A	08/01/2024 12:40	08/03/2024 09:00	9	NA
J2411335002	TMW-2	WA	DoD SW-846 8141B	08/01/2024 12:40	08/03/2024 09:00	25	NA
J2411335002	TMW-2	WA	DoD SW-846 8260C	08/01/2024 12:40	08/03/2024 09:00	49	NA
J2411335002	TMW-2	WA	DoD SW-846 8270D	08/01/2024 12:40	08/03/2024 09:00	65	NA
J2411335003	TMW-6	WA	DOD SW-846 8081B	08/01/2024 14:15	08/03/2024 09:00	23	NA
J2411335003	TMW-6	WA	DOD SW-846 8270D SIM	08/01/2024 14:15	08/03/2024 09:00	1	NA
J2411335003	TMW-6	WA	DoD SW-846 6020A	08/01/2024 14:15	08/03/2024 09:00	13	NA
J2411335003	TMW-6	WA	DoD SW-846 7470A	08/01/2024 14:15	08/03/2024 09:00	1	NA
J2411335003	TMW-6	WA	DoD SW-846 8082A	08/01/2024 14:15	08/03/2024 09:00	9	NA
J2411335003	TMW-6	WA	DoD SW-846 8141B	08/01/2024 14:15	08/03/2024 09:00	25	NA
J2411335003	TMW-6	WA	DoD SW-846 8260C	08/01/2024 14:15	08/03/2024 09:00	49	NA
J2411335003	TMW-6	WA	DoD SW-846 8270D	08/01/2024 14:15	08/03/2024 09:00	65	NA

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results Qualifiers

Parameter Qualifiers

U	The compound was analyzed for but not detected.
J	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
Q	One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).
B	Indicates that the analyte was detected in the method blank. The recorded result is associated with a contaminated blank.
J	The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Lab Qualifiers

J	DOH Certification #E82574 (FL NELAC) AEL-Jacksonville DOD-ELAP Certification #L23-514 (ISO/IEC 17025:2017) AEL-Jacksonville

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335001 **Date Collected:** 08/01/2024 11:10 **Matrix:** Water
Sample ID: TMW-3 **Date Received:** 08/03/2024 09:00

Parameter									
METALS (SW-846 3010A/DoD SW-846 6020A)									
Antimony	2.0U	ug/L	1.0	2.0	4.0	1	08/15/2024 07:22	08/16/2024 01:15	J
Barium	**220**	ug/L	2.5	5.0	10	5	08/15/2024 07:22	08/16/2024 20:17	J
Cadmium	10U	ug/L	5.0	10	20	20	08/15/2024 07:22	08/16/2024 20:06	J
Copper	**120**	ug/L	20	40	80	20	08/15/2024 07:22	08/16/2024 20:06	J
Nickel	73J	ug/L	25	50	100	20	08/15/2024 07:22	08/16/2024 20:06	J
Silver	20U	ug/L	10	20	40	20	08/15/2024 07:22	08/16/2024 20:06	J
Zinc	240U	ug/L	120	240	480	20	08/15/2024 07:22	08/16/2024 20:06	J
METALS (SW-846 7470A/DoD SW-846 7470A)									
Mercury	**0.28**	ug/L	0.011	0.040	0.10	1	08/06/2024 08:42	08/06/2024 14:10	J
SEMIVOLATILES (SW-846 3510C/DOD SW-846 8081B)									
4,4`-DDD	0.010U	ug/L	0.0050	0.010	0.020	1	08/05/2024 09:00	08/15/2024 20:17	J
4,4`-DDE	0.010U	ug/L	0.0050	0.010	0.020	1	08/05/2024 09:00	08/15/2024 20:17	J
4,4`-DDT	0.010U	ug/L	0.0050	0.010	0.020	1	08/05/2024 09:00	08/15/2024 20:17	J
Aldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	08/05/2024 09:00	08/15/2024 20:17	J
Chlordane (technical)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 20:17	J
Dieldrin	0.0050U	ug/L	0.0019	0.0050	0.020	1	08/05/2024 09:00	08/15/2024 20:17	J
Endosulfan I	0.010U	ug/L	0.0050	0.010	0.020	1	08/05/2024 09:00	08/15/2024 20:17	J
Endosulfan II	0.010U	ug/L	0.0050	0.010	0.020	1	08/05/2024 09:00	08/15/2024 20:17	J
Endosulfan Sulfate	0.010U	ug/L	0.0050	0.010	0.020	1	08/05/2024 09:00	08/15/2024 20:17	J
Endrin	0.010U	ug/L	0.0050	0.010	0.020	1	08/05/2024 09:00	08/15/2024 20:17	J
Endrin Aldehyde	0.010U	ug/L	0.0050	0.010	0.020	1	08/05/2024 09:00	08/15/2024 20:17	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335001 **Date Collected:** 08/01/2024 11:10 **Matrix:** Water
Sample ID: TMW-3 **Date Received:** 08/03/2024 09:00

Parameter									
Heptachlor	0.010U	ug/L	0.0050	0.010	0.020	1	08/05/2024 09:00	08/15/2024 20:17	J
Hexachlorobenzene	0.020U	ug/L	0.0080	0.020	0.040	1	08/05/2024 09:00	08/15/2024 20:17	J
Toxaphene	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 20:17	J
alpha-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	08/05/2024 09:00	08/15/2024 20:17	J
delta-BHC	0.010U	ug/L	0.0050	0.010	0.020	1	08/05/2024 09:00	08/15/2024 20:17	J
gamma-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	1	08/05/2024 09:00	08/15/2024 20:17	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	0.25U	ug/L	0.12	0.25					
Aroclor 1221 (PCB-1221)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 09:50	J
Aroclor 1232 (PCB-1232)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 09:50	J
Aroclor 1242 (PCB-1242)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 09:50	J
Aroclor 1248 (PCB-1248)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 09:50	J
Aroclor 1254 (PCB-1254)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 09:50	J
Aroclor 1260 (PCB-1260)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 09:50	J
Aroclor 1262 (PCB-1262)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 09:50	J
Aroclor 1268 (PCB-1268)	0.25U	ug/L	0.12	0.25	0.50	1	08/05/2024 09:00	08/15/2024 09:50	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8141B)									
Atrazine	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J
Azinphos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J
Chlorpyrifos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J
Chlorpyrifos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335001 **Date Collected:** 08/01/2024 11:10 **Matrix:** Water
Sample ID: TMW-3 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J
Demeton-O	0.10U	ug/L	0.050	0.10	0.20	1	08/05/2024 09:00	08/16/2024 21:51	J
Demeton-S	0.10U	ug/L	0.050	0.10	0.20	1	08/05/2024 09:00	08/16/2024 21:51	J
Diazinon	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J
Dimethoate	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J
Disulfoton	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J
Ethion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J
Ethoprop	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J
Famphur	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J
Fensulfothion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J
Fonophos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J
Malathion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J
Merphos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J
Methyl Parathion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J
Mevinphos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J
Parathion (Ethyl)	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J
Phorate	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J
Phosmet	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J
Ronnel	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J
Simazine	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J
Sulfotep	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 21:51	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
2,4,6-Trichlorophenol	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
2,4-Dichlorophenol	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
2,4-Dimethylphenol	5.3U	ug/L	2.7	5.3	11	1	08/05/2024 09:00	08/20/2024 05:02	J
2,4-Dinitrophenol	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335001 **Date Collected:** 08/01/2024 11:10 **Matrix:** Water
Sample ID: TMW-3 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	5.3U	ug/L	2.7	5.3	11	1	08/05/2024 09:00	08/20/2024 05:02	J
2,6-Dinitrotoluene (2,6-DNT)	5.3U	ug/L	2.7	5.3	11	1	08/05/2024 09:00	08/20/2024 05:02	J
2-Chloronaphthalene	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
2-Chlorophenol	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
2-Methyl-4,6-dinitrophenol	5.3U	ug/L	2.7	5.3	11	1	08/05/2024 09:00	08/20/2024 05:02	J
2-Methylnaphthalene	0.21U	ug/L	0.11	0.21	0.43	1	08/05/2024 09:00	08/20/2024 05:02	J
2-Methylphenol (o-Cresol)	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
2-Nitroaniline	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
2-Nitrophenol	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
3+4-Methylphenol(mp-Cresol)	5.3U	ug/L	2.7	5.3	11	1	08/05/2024 09:00	08/20/2024 05:02	J
3,3`-Dichlorobenzidine	5.3U	ug/L	2.7	5.3	11	1	08/05/2024 09:00	08/20/2024 05:02	J
3-Nitroaniline	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
4-Bromophenyl Phenyl Ether	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
4-Chloro-3-methylphenol	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
4-Chloroaniline	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
4-Chlorophenyl Phenyl Ether	5.3U	ug/L	2.7	5.3	11	1	08/05/2024 09:00	08/20/2024 05:02	J
4-Nitroaniline	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
4-Nitrophenol	5.3U	ug/L	2.7	5.3	11	1	08/05/2024 09:00	08/20/2024 05:02	J
Acenaphthene	0.21U	ug/L	0.11	0.21	0.43	1	08/05/2024 09:00	08/20/2024 05:02	J
Acenaphthylene	0.21U	ug/L	0.11	0.21	0.43	1	08/05/2024 09:00	08/20/2024 05:02	J
Acetophenone	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
Anthracene	0.21U	ug/L	0.11	0.21	0.43	1	08/05/2024 09:00	08/20/2024 05:02	J
Atrazine	5.3U	ug/L	2.7	5.3	11	1	08/05/2024 09:00	08/20/2024 05:02	J
Benzaldehyde	5.3U	ug/L	2.7	5.3	11	1	08/05/2024 09:00	08/20/2024 05:02	J
Benzo[a]anthracene	0.11U	ug/L	0.053	0.11	0.43	1	08/05/2024 09:00	08/20/2024 05:02	J
Benzo[a]pyrene	0.21U	ug/L	0.11	0.21	0.43	1	08/05/2024 09:00	08/20/2024 05:02	J
Benzo[b]fluoranthene	0.11U	ug/L	0.053	0.11	0.43	1	08/05/2024 09:00	08/20/2024 05:02	J

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335001 **Date Collected:** 08/01/2024 11:10 **Matrix:** Water
Sample ID: TMW-3 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.21U	ug/L	0.11	0.21	0.43	1	08/05/2024 09:00	08/20/2024 05:02	J
Benzo[k]fluoranthene	0.21U	ug/L	0.11	0.21	0.43	1	08/05/2024 09:00	08/20/2024 05:02	J
Biphenyl	5.3U	ug/L	2.7	5.3	11	1	08/05/2024 09:00	08/20/2024 05:02	J
Butyl benzyl phthalate	5.3U	ug/L	2.7	5.3	11	1	08/05/2024 09:00	08/20/2024 05:02	J
Caprolactam	5.3U	ug/L	2.7	5.3	11	1	08/05/2024 09:00	08/20/2024 05:02	J
Carbazole	0.21U	ug/L	0.11	0.21	0.43	1	08/05/2024 09:00	08/20/2024 05:02	J
Chrysene	0.21U	ug/L	0.11	0.21	0.43	1	08/05/2024 09:00	08/20/2024 05:02	J
Di-n-Butyl Phthalate	5.3U	ug/L	2.7	5.3	11	1	08/05/2024 09:00	08/20/2024 05:02	J
Di-n-octyl Phthalate	5.3U	ug/L	2.7	5.3	11	1	08/05/2024 09:00	08/20/2024 05:02	J
Dibenzo[a,h]anthracene	0.21U	ug/L	0.11	0.21	0.43	1	08/05/2024 09:00	08/20/2024 05:02	J
Dibenzofuran	0.21U	ug/L	0.11	0.21	0.43	1	08/05/2024 09:00	08/20/2024 05:02	J
Diethyl phthalate	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
Dimethyl phthalate	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
Fluoranthene	0.21U	ug/L	0.11	0.21	0.43	1	08/05/2024 09:00	08/20/2024 05:02	J
Fluorene	0.21U	ug/L	0.11	0.21	0.43	1	08/05/2024 09:00	08/20/2024 05:02	J
Hexachlorobenzene	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
Hexachlorobutadiene	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
Hexachlorocyclopentadiene	5.3U	ug/L	2.7	5.3	11	1	08/05/2024 09:00	08/20/2024 05:02	J
Hexachloroethane	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
Indeno(1,2,3-cd)pyrene	0.11U	ug/L	0.053	0.11	0.43	1	08/05/2024 09:00	08/20/2024 05:02	J
Isophorone	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
N-Nitrosodi-n-propylamine	5.3U	ug/L	2.7	5.3	11	1	08/05/2024 09:00	08/20/2024 05:02	J
N-Nitrosodiphenylamine	5.3U	ug/L	2.7	5.3	11	1	08/05/2024 09:00	08/20/2024 05:02	J
Naphthalene	0.21U	ug/L	0.11	0.21	0.43	1	08/05/2024 09:00	08/20/2024 05:02	J
Nitrobenzene	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
Pentachlorophenol	2.0U	ug/L	1.0	2.0	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
Phenanthrene	0.21U	ug/L	0.11	0.21	0.43	1	08/05/2024 09:00	08/20/2024 05:02	J

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335001 **Date Collected:** 08/01/2024 11:10 **Matrix:** Water
Sample ID: TMW-3 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Phenol	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
Pyrene	0.21U	ug/L	0.11	0.21	0.43	1	08/05/2024 09:00	08/20/2024 05:02	J
bis(2-Chloroethoxy)methane	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
bis(2-Chloroethyl)Ether	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
bis(2-Chloroisopropyl) Ether	2.7U	ug/L	1.3	2.7	5.3	1	08/05/2024 09:00	08/20/2024 05:02	J
bis(2-Ethylhexyl) phthalate	5.3U	ug/L	2.7	5.3	11	1	08/05/2024 09:00	08/20/2024 05:02	J
VOLATILES (SW-846 3510C/DOD SW-846 8270D SIM)									
1,4-Dioxane	0.46U	ug/L	0.23	0.46	0.92	1	08/05/2024 12:00	08/20/2024 03:37	J
VOLATILES (SW-846 5030B/DoD SW-846 8260C)									
1,1,1-Trichloroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J
1,1,2,2-Tetrachloroethane	1.2U	ug/L	0.60	1.2	3.0	3	08/08/2024 07:52	08/08/2024 16:33	J
1,1,2-Trichloroethane	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:33	J
1,1,2-Trichlorotrifluoroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J
1,1-Dichloroethane	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:33	J
1,1-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J
1,2,4-Trichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J
1,2-Dibromo-3-Chloropropane	7.5U	ug/L	3.8	7.5	15	3	08/08/2024 07:52	08/08/2024 16:33	J
1,2-Dichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J
1,2-Dichloroethane	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:33	J
1,2-Dichloropropane	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:33	J
1,3-Dichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J
1,4-Dichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J
1,4-Dioxane	7.5U	ug/L	3.8	7.5	15	3	08/08/2024 07:52	08/08/2024 16:33	J
2-Butanone (MEK)	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:33	J
2-Hexanone	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J
4-Methyl-2-pentanone (MIBK)	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Acetone	**47**	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335001 **Date Collected:** 08/01/2024 11:10 **Matrix:** Water
Sample ID: TMW-3 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Bromodichloromethane	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Bromoform	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Bromomethane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Carbon Disulfide	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Carbon Tetrachloride	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Chlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Chloroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Chloroform	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Chloromethane	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Cyclohexane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Dibromochloromethane	1.2U	ug/L	0.60	1.2	3.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Dichlorodifluoromethane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Ethylbenzene	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Ethylene Dibromide (EDB)	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Isopropylbenzene	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Methyl Acetate	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Methyl Cyclohexane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Methyl tert-butyl Ether (MTBE)	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Methylene Chloride	7.5U	ug/L	3.8	7.5	15	3	08/08/2024 07:52	08/08/2024 16:33	J
Styrene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Tetrachloroethylene (PCE)	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Toluene	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Trichloroethene	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Trichlorofluoromethane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Vinyl Chloride	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:33	J
Xylene (Total)	4.5U	ug/L	2.2	4.5	9.0	3	08/08/2024 07:52	08/08/2024 16:33	J

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335001 **Date Collected:** 08/01/2024 11:10 **Matrix:** Water
Sample ID: TMW-3 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J
cis-1,3-Dichloropropene	1.2U	ug/L	0.60	1.2	3.0	3	08/08/2024 07:52	08/08/2024 16:33	J
trans-1,2-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:33	J
trans-1,3-Dichloropropylene	1.2U	ug/L	0.60	1.2	3.0	3	08/08/2024 07:52	08/08/2024 16:33	J

Analysis Results Comments

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

B|Indicates that the analyte was detected in the method blank. The recorded result is associated with a contaminated blank.

Dibenzo[a,h]anthracene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Indeno(1,2,3-cd)pyrene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	150	161	107	81 - 118	J
Toluene-d8 (S)	ug/L	150	150	100	89 - 112	J
Bromofluorobenzene (S)	ug/L	150	160	107	85 - 114	J
Nitrobenzene-d5 (S)	ug/L	10.80	7.01	65	55 - 111	J
Decachlorobiphenyl (S)	ug/L	0.50	0.5240	105	44 - 136	J
Tetrachloro-m-xylene (S)	ug/L	1	1.06	106	61 - 119	J
2,4,6-Tribromophenol (S)	ug/L	53.20	38.10	72	43 - 140	J
Phenol-d6 (S)	ug/L	53.20	16.40	31	21 - 132	J
2-Fluorobiphenyl (S)	ug/L	53.20	34.90	66	44 - 119	J
2-Fluorophenol (S)	ug/L	53.20	21.20	40	19 - 119	J
Nitrobenzene-d5 (S)	ug/L	53.20	33.70	63	44 - 120	J
2-Methylnaphthalene-d10 (S)	ug/L	53.20	36.40	68	41 - 131	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
p-Terphenyl-d14 (S)	ug/L	53.20	37.60	71	50 - 134	J
Fluoranthene-d10 (S)	ug/L	53.20	44.10	83	49 - 126	J
Decachlorobiphenyl (S)	ug/L	0.50	0.5790	116	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	1.09	109	44 - 124	J
Tributylphosphate (S)	ug/L	1	0.58	58	48.50 - 121	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335002 **Date Collected:** 08/01/2024 12:40 **Matrix:** Water
Sample ID: TMW-2 **Date Received:** 08/03/2024 09:00

Parameter									
METALS (SW-846 3010A/DoD SW-846 6020A)									
Antimony	**5.1**	ug/L	1.0	2.0	4.0	1	08/15/2024 07:22	08/16/2024 01:21	J
Barium	**710**	ug/L	5.0	10	20	10	08/15/2024 07:22	08/16/2024 20:23	J
Cadmium	**5.1**	ug/L	0.25	0.50	1.0	1	08/15/2024 07:22	08/16/2024 01:21	J
Copper	**110**	ug/L	1.0	2.0	4.0	1	08/15/2024 07:22	08/16/2024 01:21	J
Nickel	**42**	ug/L	1.2	2.5	5.0	1	08/15/2024 07:22	08/16/2024 01:21	J
Silver	**3.0**	ug/L	0.50	1.0	2.0	1	08/15/2024 07:22	08/16/2024 01:21	J
Zinc	**510**	ug/L	6.0	12	24	1	08/15/2024 07:22	08/16/2024 20:34	J
METALS (SW-846 7470A/DoD SW-846 7470A)									
Mercury	**2.8**	ug/L	0.011	0.040	0.10	1	08/06/2024 08:42	08/06/2024 14:13	J
SEMIVOLATILES (SW-846 3510C/DOD SW-846 8081B)									
4,4`-DDD	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:18	J
4,4`-DDE	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:18	J
4,4`-DDT	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:18	J
Aldrin	0.050U	ug/L	0.019	0.050	0.20	10	08/05/2024 09:00	08/16/2024 20:18	J
Chlordane (technical)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/16/2024 20:18	J
Dieldrin	0.050U	ug/L	0.019	0.050	0.20	10	08/05/2024 09:00	08/16/2024 20:18	J
Endosulfan I	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:18	J
Endosulfan II	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:18	J
Endosulfan Sulfate	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:18	J
Endrin	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:18	J
Endrin Aldehyde	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:18	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335002 **Date Collected:** 08/01/2024 12:40 **Matrix:** Water
Sample ID: TMW-2 **Date Received:** 08/03/2024 09:00

Parameter									
Heptachlor	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:18	J
Hexachlorobenzene	0.20U	ug/L	0.080	0.20	0.40	10	08/05/2024 09:00	08/16/2024 20:18	J
Toxaphene	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/16/2024 20:18	J
alpha-Chlordane	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:18	J
delta-BHC	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:18	J
gamma-Chlordane	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:18	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	2.5U	ug/L	1.2	2.5					
Aroclor 1221 (PCB-1221)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/16/2024 20:59	J
Aroclor 1232 (PCB-1232)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/16/2024 20:59	J
Aroclor 1242 (PCB-1242)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/16/2024 20:59	J
Aroclor 1248 (PCB-1248)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/16/2024 20:59	J
Aroclor 1254 (PCB-1254)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/16/2024 20:59	J
Aroclor 1260 (PCB-1260)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/16/2024 20:59	J
Aroclor 1262 (PCB-1262)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/16/2024 20:59	J
Aroclor 1268 (PCB-1268)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/16/2024 20:59	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8141B)									
Atrazine	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J
Azinphos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J
Chlorpyrifos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J
Chlorpyrifos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335002 **Date Collected:** 08/01/2024 12:40 **Matrix:** Water
Sample ID: TMW-2 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J
Demeton-O	0.10U	ug/L	0.050	0.10	0.20	1	08/05/2024 09:00	08/16/2024 22:22	J
Demeton-S	0.10U	ug/L	0.050	0.10	0.20	1	08/05/2024 09:00	08/16/2024 22:22	J
Diazinon	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J
Dimethoate	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J
Disulfoton	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J
Ethion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J
Ethoprop	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J
Famphur	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J
Fensulfothion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J
Fonophos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J
Malathion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J
Merphos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J
Methyl Parathion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J
Mevinphos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J
Parathion (Ethyl)	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J
Phorate	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J
Phosmet	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J
Ronnel	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J
Simazine	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J
Sulfotep	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:22	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
2,4,6-Trichlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
2,4-Dichlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
2,4-Dimethylphenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 05:40	J
2,4-Dinitrophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335002 **Date Collected:** 08/01/2024 12:40 **Matrix:** Water
Sample ID: TMW-2 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 05:40	J
2,6-Dinitrotoluene (2,6-DNT)	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 05:40	J
2-Chloronaphthalene	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
2-Chlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
2-Methyl-4,6-dinitrophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 05:40	J
2-Methylnaphthalene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 05:40	J
2-Methylphenol (o-Cresol)	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
2-Nitroaniline	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
2-Nitrophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
3+4-Methylphenol(mp-Cresol)	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 05:40	J
3,3`-Dichlorobenzidine	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 05:40	J
3-Nitroaniline	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
4-Bromophenyl Phenyl Ether	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
4-Chloro-3-methylphenol	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
4-Chloroaniline	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
4-Chlorophenyl Phenyl Ether	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 05:40	J
4-Nitroaniline	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
4-Nitrophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 05:40	J
Acenaphthene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 05:40	J
Acenaphthylene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 05:40	J
Acetophenone	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
Anthracene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 05:40	J
Atrazine	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 05:40	J
Benzaldehyde	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 05:40	J
Benzo[a]anthracene	0.11U	ug/L	0.055	0.11	0.44	1	08/05/2024 09:00	08/20/2024 05:40	J
Benzo[a]pyrene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 05:40	J
Benzo[b]fluoranthene	0.11U	ug/L	0.055	0.11	0.44	1	08/05/2024 09:00	08/20/2024 05:40	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335002 **Date Collected:** 08/01/2024 12:40 **Matrix:** Water
Sample ID: TMW-2 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 05:40	J
Benzo[k]fluoranthene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 05:40	J
Biphenyl	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 05:40	J
Butyl benzyl phthalate	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 05:40	J
Caprolactam	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 05:40	J
Carbazole	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 05:40	J
Chrysene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 05:40	J
Di-n-Butyl Phthalate	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 05:40	J
Di-n-octyl Phthalate	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 05:40	J
Dibenzo[a,h]anthracene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 05:40	J
Dibenzofuran	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 05:40	J
Diethyl phthalate	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
Dimethyl phthalate	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
Fluoranthene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 05:40	J
Fluorene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 05:40	J
Hexachlorobenzene	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
Hexachlorobutadiene	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
Hexachlorocyclopentadiene	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 05:40	J
Hexachloroethane	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
Indeno(1,2,3-cd)pyrene	0.11U	ug/L	0.055	0.11	0.44	1	08/05/2024 09:00	08/20/2024 05:40	J
Isophorone	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
N-Nitrosodi-n-propylamine	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 05:40	J
N-Nitrosodiphenylamine	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 05:40	J
Naphthalene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 05:40	J
Nitrobenzene	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
Pentachlorophenol	2.1U	ug/L	1.1	2.1	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
Phenanthrene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 05:40	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335002 **Date Collected:** 08/01/2024 12:40 **Matrix:** Water
Sample ID: TMW-2 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Phenol	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
Pyrene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 05:40	J
bis(2-Chloroethoxy)methane	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
bis(2-Chloroethyl)Ether	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
bis(2-Chloroisopropyl) Ether	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 05:40	J
bis(2-Ethylhexyl) phthalate	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 05:40	J
VOLATILES (SW-846 3510C/DOD SW-846 8270D SIM)									
1,4-Dioxane	0.48U	ug/L	0.24	0.48	0.97	1	08/05/2024 12:00	08/20/2024 04:02	J
VOLATILES (SW-846 5030B/DoD SW-846 8260C)									
1,1,1-Trichloroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J
1,1,2,2-Tetrachloroethane	1.2U	ug/L	0.60	1.2	3.0	3	08/08/2024 07:52	08/08/2024 16:57	J
1,1,2-Trichloroethane	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:57	J
1,1,2-Trichlorotrifluoroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J
1,1-Dichloroethane	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:57	J
1,1-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J
1,2,4-Trichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J
1,2-Dibromo-3-Chloropropane	7.5U	ug/L	3.8	7.5	15	3	08/08/2024 07:52	08/08/2024 16:57	J
1,2-Dichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J
1,2-Dichloroethane	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:57	J
1,2-Dichloropropane	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:57	J
1,3-Dichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J
1,4-Dichlorobenzene	5.0J	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J
1,4-Dioxane	7.5U	ug/L	3.8	7.5	15	3	08/08/2024 07:52	08/08/2024 16:57	J
2-Butanone (MEK)	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:57	J
2-Hexanone	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J
4-Methyl-2-pentanone (MIBK)	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Acetone	**7.1**	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335002 **Date Collected:** 08/01/2024 12:40 **Matrix:** Water
Sample ID: TMW-2 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Bromodichloromethane	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Bromoform	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Bromomethane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Carbon Disulfide	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Carbon Tetrachloride	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Chlorobenzene	2.7J	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Chloroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Chloroform	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Chloromethane	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Cyclohexane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Dibromochloromethane	1.2U	ug/L	0.60	1.2	3.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Dichlorodifluoromethane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Ethylbenzene	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Ethylene Dibromide (EDB)	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Isopropylbenzene	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Methyl Acetate	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Methyl Cyclohexane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Methyl tert-butyl Ether (MTBE)	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Methylene Chloride	7.5U	ug/L	3.8	7.5	15	3	08/08/2024 07:52	08/08/2024 16:57	J
Styrene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Tetrachloroethylene (PCE)	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Toluene	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Trichloroethene	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Trichlorofluoromethane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Vinyl Chloride	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 16:57	J
Xylene (Total)	4.5U	ug/L	2.2	4.5	9.0	3	08/08/2024 07:52	08/08/2024 16:57	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335002 **Date Collected:** 08/01/2024 12:40 **Matrix:** Water
Sample ID: TMW-2 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J
cis-1,3-Dichloropropene	1.2U	ug/L	0.60	1.2	3.0	3	08/08/2024 07:52	08/08/2024 16:57	J
trans-1,2-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 16:57	J
trans-1,3-Dichloropropylene	1.2U	ug/L	0.60	1.2	3.0	3	08/08/2024 07:52	08/08/2024 16:57	J

Analysis Results Comments

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

B|Indicates that the analyte was detected in the method blank. The recorded result is associated with a contaminated blank.

Dibenzo[a,h]anthracene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Indeno(1,2,3-cd)pyrene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	150	165	110	81 - 118	J
Toluene-d8 (S)	ug/L	150	150	100	89 - 112	J
Bromofluorobenzene (S)	ug/L	150	160	106	85 - 114	J
Nitrobenzene-d5 (S)	ug/L	11	6.08	55	55 - 111	J
Decachlorobiphenyl (S)	ug/L	0.50	0.2940	59	44 - 136	J
Tetrachloro-m-xylene (S)	ug/L	1	0.9830	98	61 - 119	J
2,4,6-Tribromophenol (S)	ug/L	55.60	38.60	70	43 - 140	J
Phenol-d6 (S)	ug/L	55.60	16.50	30	21 - 132	J
2-Fluorobiphenyl (S)	ug/L	55.60	35.50	64	44 - 119	J
2-Fluorophenol (S)	ug/L	55.60	20.40	37	19 - 119	J
Nitrobenzene-d5 (S)	ug/L	55.60	33.90	61	44 - 120	J
2-Methylnaphthalene-d10 (S)	ug/L	55.60	35.90	65	41 - 131	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
p-Terphenyl-d14 (S)	ug/L	55.60	37.50	68	50 - 134	J
Fluoranthene-d10 (S)	ug/L	55.60	46.50	84	49 - 126	J
Decachlorobiphenyl (S)	ug/L	0.50	0.2830	57	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	1.04	104	44 - 124	J
Tributylphosphate (S)	ug/L	1	0.6810	68	48.50 - 121	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335003 **Date Collected:** 08/01/2024 14:15 **Matrix:** Water
Sample ID: TMW-6 **Date Received:** 08/03/2024 09:00

Parameter									
METALS (SW-846 3010A/DoD SW-846 6020A)									
Antimony	10U	ug/L	5.0	10	20	5	08/15/2024 07:22	08/19/2024 10:36	J
Barium	**220**	ug/L	2.5	5.0	10	5	08/15/2024 07:22	08/16/2024 20:57	J
Cadmium	2.5U	ug/L	1.2	2.5	5.0	5	08/15/2024 07:22	08/19/2024 10:36	J
Copper	**81**	ug/L	5.0	10	20	5	08/15/2024 07:22	08/19/2024 10:36	J
Nickel	**71**	ug/L	6.2	12	25	5	08/15/2024 07:22	08/19/2024 10:36	J
Silver	5.0U	ug/L	2.5	5.0	10	5	08/15/2024 07:22	08/19/2024 10:36	J
Zinc	44J	ug/L	30	60	120	5	08/15/2024 07:22	08/19/2024 10:36	J
METALS (SW-846 7470A/DoD SW-846 7470A)									
Mercury	**0.17**	ug/L	0.011	0.040	0.10	1	08/06/2024 08:42	08/06/2024 14:16	J
SEMIVOLATILES (SW-846 3510C/DOD SW-846 8081B)									
4,4`-DDD	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:38	J
4,4`-DDE	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:38	J
4,4`-DDT	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:38	J
Aldrin	0.050U	ug/L	0.019	0.050	0.20	10	08/05/2024 09:00	08/16/2024 20:38	J
Chlordane (technical)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/16/2024 20:38	J
Dieldrin	0.050U	ug/L	0.019	0.050	0.20	10	08/05/2024 09:00	08/16/2024 20:38	J
Endosulfan I	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:38	J
Endosulfan II	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:38	J
Endosulfan Sulfate	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:38	J
Endrin	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:38	J
Endrin Aldehyde	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:38	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335003 **Date Collected:** 08/01/2024 14:15 **Matrix:** Water
Sample ID: TMW-6 **Date Received:** 08/03/2024 09:00

Parameter									
Heptachlor	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:38	J
Hexachlorobenzene	0.20U	ug/L	0.080	0.20	0.40	10	08/05/2024 09:00	08/16/2024 20:38	J
Toxaphene	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/16/2024 20:38	J
alpha-Chlordane	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:38	J
delta-BHC	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:38	J
gamma-Chlordane	0.10U	ug/L	0.050	0.10	0.20	10	08/05/2024 09:00	08/16/2024 20:38	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8082A)									
Aroclor 1016 (PCB-1016)	2.5U	ug/L	1.2	2.5					
Aroclor 1221 (PCB-1221)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/16/2024 21:40	J
Aroclor 1232 (PCB-1232)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/16/2024 21:40	J
Aroclor 1242 (PCB-1242)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/16/2024 21:40	J
Aroclor 1248 (PCB-1248)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/16/2024 21:40	J
Aroclor 1254 (PCB-1254)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/16/2024 21:40	J
Aroclor 1260 (PCB-1260)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/16/2024 21:40	J
Aroclor 1262 (PCB-1262)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/16/2024 21:40	J
Aroclor 1268 (PCB-1268)	2.5U	ug/L	1.2	2.5	5.0	10	08/05/2024 09:00	08/16/2024 21:40	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8141B)									
Atrazine	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J
Azinphos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J
Chlorpyrifos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J
Chlorpyrifos-methyl	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335003 **Date Collected:** 08/01/2024 14:15 **Matrix:** Water
Sample ID: TMW-6 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Demeton	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J
Demeton-O	0.10U	ug/L	0.050	0.10	0.20	1	08/05/2024 09:00	08/16/2024 22:52	J
Demeton-S	0.10U	ug/L	0.050	0.10	0.20	1	08/05/2024 09:00	08/16/2024 22:52	J
Diazinon	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J
Dimethoate	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J
Disulfoton	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J
Ethion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J
Ethoprop	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J
Famphur	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J
Fensulfothion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J
Fonophos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J
Malathion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J
Merphos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J
Methyl Parathion	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J
Mevinphos	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J
Parathion (Ethyl)	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J
Phorate	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J
Phosmet	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J
Ronnel	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J
Simazine	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J
Sulfotep	0.20U	ug/L	0.10	0.20	0.40	1	08/05/2024 09:00	08/16/2024 22:52	J
SEMIVOLATILES (SW-846 3510C/DoD SW-846 8270D)									
2,4,5-Trichlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
2,4,6-Trichlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
2,4-Dichlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
2,4-Dimethylphenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 06:19	J
2,4-Dinitrophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335003 **Date Collected:** 08/01/2024 14:15 **Matrix:** Water
Sample ID: TMW-6 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
2,4-Dinitrotoluene (2,4-DNT)	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 06:19	J
2,6-Dinitrotoluene (2,6-DNT)	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 06:19	J
2-Chloronaphthalene	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
2-Chlorophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
2-Methyl-4,6-dinitrophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 06:19	J
2-Methylnaphthalene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 06:19	J
2-Methylphenol (o-Cresol)	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
2-Nitroaniline	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
2-Nitrophenol	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
3+4-Methylphenol(mp-Cresol)	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 06:19	J
3,3`-Dichlorobenzidine	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 06:19	J
3-Nitroaniline	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
4-Bromophenyl Phenyl Ether	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
4-Chloro-3-methylphenol	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
4-Chloroaniline	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
4-Chlorophenyl Phenyl Ether	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 06:19	J
4-Nitroaniline	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
4-Nitrophenol	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 06:19	J
Acenaphthene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 06:19	J
Acenaphthylene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 06:19	J
Acetophenone	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
Anthracene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 06:19	J
Atrazine	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 06:19	J
Benzaldehyde	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 06:19	J
Benzo[a]anthracene	0.11U	ug/L	0.055	0.11	0.44	1	08/05/2024 09:00	08/20/2024 06:19	J
Benzo[a]pyrene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 06:19	J
Benzo[b]fluoranthene	0.11U	ug/L	0.055	0.11	0.44	1	08/05/2024 09:00	08/20/2024 06:19	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335003 **Date Collected:** 08/01/2024 14:15 **Matrix:** Water
Sample ID: TMW-6 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzo[g,h,i]perylene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 06:19	J
Benzo[k]fluoranthene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 06:19	J
Biphenyl	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 06:19	J
Butyl benzyl phthalate	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 06:19	J
Caprolactam	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 06:19	J
Carbazole	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 06:19	J
Chrysene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 06:19	J
Di-n-Butyl Phthalate	5.2J	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 06:19	J
Di-n-octyl Phthalate	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 06:19	J
Dibenzo[a,h]anthracene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 06:19	J
Dibenzofuran	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 06:19	J
Diethyl phthalate	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
Dimethyl phthalate	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
Fluoranthene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 06:19	J
Fluorene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 06:19	J
Hexachlorobenzene	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
Hexachlorobutadiene	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
Hexachlorocyclopentadiene	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 06:19	J
Hexachloroethane	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
Indeno(1,2,3-cd)pyrene	0.11U	ug/L	0.055	0.11	0.44	1	08/05/2024 09:00	08/20/2024 06:19	J
Isophorone	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
N-Nitrosodi-n-propylamine	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 06:19	J
N-Nitrosodiphenylamine	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 06:19	J
Naphthalene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 06:19	J
Nitrobenzene	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
Pentachlorophenol	2.1U	ug/L	1.1	2.1	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
Phenanthrene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 06:19	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335003 **Date Collected:** 08/01/2024 14:15 **Matrix:** Water
Sample ID: TMW-6 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Phenol	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
Pyrene	0.22U	ug/L	0.11	0.22	0.44	1	08/05/2024 09:00	08/20/2024 06:19	J
bis(2-Chloroethoxy)methane	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
bis(2-Chloroethyl)Ether	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
bis(2-Chloroisopropyl) Ether	2.8U	ug/L	1.4	2.8	5.6	1	08/05/2024 09:00	08/20/2024 06:19	J
bis(2-Ethylhexyl) phthalate	5.6U	ug/L	2.8	5.6	11	1	08/05/2024 09:00	08/20/2024 06:19	J
VOLATILES (SW-846 3510C/DOD SW-846 8270D SIM)									
1,4-Dioxane	0.45U	ug/L	0.23	0.45	0.91	1	08/05/2024 12:00	08/20/2024 04:27	J
VOLATILES (SW-846 5030B/DoD SW-846 8260C)									
1,1,1-Trichloroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J
1,1,2,2-Tetrachloroethane	1.2U	ug/L	0.60	1.2	3.0	3	08/08/2024 07:52	08/08/2024 17:22	J
1,1,2-Trichloroethane	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 17:22	J
1,1,2-Trichlorotrifluoroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J
1,1-Dichloroethane	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 17:22	J
1,1-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J
1,2,4-Trichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J
1,2-Dibromo-3-Chloropropane	7.5U	ug/L	3.8	7.5	15	3	08/08/2024 07:52	08/08/2024 17:22	J
1,2-Dichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J
1,2-Dichloroethane	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 17:22	J
1,2-Dichloropropane	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 17:22	J
1,3-Dichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J
1,4-Dichlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J
1,4-Dioxane	7.5U	ug/L	3.8	7.5	15	3	08/08/2024 07:52	08/08/2024 17:22	J
2-Butanone (MEK)	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 17:22	J
2-Hexanone	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J
4-Methyl-2-pentanone (MIBK)	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Acetone	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335003 **Date Collected:** 08/01/2024 14:15 **Matrix:** Water
Sample ID: TMW-6 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
Benzene	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Bromodichloromethane	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Bromoform	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Bromomethane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Carbon Disulfide	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Carbon Tetrachloride	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Chlorobenzene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Chloroethane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Chloroform	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Chloromethane	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Cyclohexane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Dibromochloromethane	1.2U	ug/L	0.60	1.2	3.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Dichlorodifluoromethane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Ethylbenzene	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Ethylene Dibromide (EDB)	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Isopropylbenzene	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Methyl Acetate	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Methyl Cyclohexane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Methyl tert-butyl Ether (MTBE)	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Methylene Chloride	7.5U	ug/L	3.8	7.5	15	3	08/08/2024 07:52	08/08/2024 17:22	J
Styrene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Tetrachloroethylene (PCE)	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Toluene	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Trichloroethene	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Trichlorofluoromethane	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Vinyl Chloride	1.5U	ug/L	0.75	1.5	3.0	3	08/08/2024 07:52	08/08/2024 17:22	J
Xylene (Total)	4.5U	ug/L	2.2	4.5	9.0	3	08/08/2024 07:52	08/08/2024 17:22	J

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6681 Southpoint Pkwy Jacksonville, FL 32216
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Lab ID: J2411335003 **Date Collected:** 08/01/2024 14:15 **Matrix:** Water
Sample ID: TMW-6 **Date Received:** 08/03/2024 09:00

Parameter	Results	Units	DL	LOD	LOQ	DF	Prepared	Analyzed	Lab
cis-1,2-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J
cis-1,3-Dichloropropene	1.2U	ug/L	0.60	1.2	3.0	3	08/08/2024 07:52	08/08/2024 17:22	J
trans-1,2-Dichloroethylene	3.0U	ug/L	1.5	3.0	6.0	3	08/08/2024 07:52	08/08/2024 17:22	J
trans-1,3-Dichloropropylene	1.2U	ug/L	0.60	1.2	3.0	3	08/08/2024 07:52	08/08/2024 17:22	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Analysis Results Comments

1,2-Dichloroethane-d4

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

2-Methyl-4,6-dinitrophenol

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Azinphos-methyl

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

B|Indicates that the analyte was detected in the method blank. The recorded result is associated with a contaminated blank.

Chlorpyrifos

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Chlorpyrifos-methyl

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Dibenzo[a,h]anthracene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Ethoprop

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Fonophos

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Indeno(1,2,3-cd)pyrene

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Methyl Parathion

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Parathion (Ethyl)

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Phosmet

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Ronnel

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

Sulfotep

J|The analyte is an estimated value. The reported value is below the Limits of Quantitation (LOQ), but above the DL. Also, an acceptance criterion is not met (e.g., MS/MSD recovery or dual column confirmation was outside 40% RPD).

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	150	182	**121**	81 - 118	J
Toluene-d8 (S)	ug/L	150	144	96	89 - 112	J
Bromofluorobenzene (S)	ug/L	150	169	113	85 - 114	J
Nitrobenzene-d5 (S)	ug/L	10.60	5.77	**54**	55 - 111	J
Decachlorobiphenyl (S)	ug/L	0.50	0.4350	87	44 - 136	J
Tetrachloro-m-xylene (S)	ug/L	1	0.6170	62	61 - 119	J
2,4,6-Tribromophenol (S)	ug/L	55.60	37.90	68	43 - 140	J
Phenol-d6 (S)	ug/L	55.60	16.30	29	21 - 132	J
2-Fluorobiphenyl (S)	ug/L	55.60	28.20	51	44 - 119	J
2-Fluorophenol (S)	ug/L	55.60	22	40	19 - 119	J
Nitrobenzene-d5 (S)	ug/L	55.60	26.40	48	44 - 120	J
2-Methylnaphthalene-d10 (S)	ug/L	55.60	28.50	51	41 - 131	J
p-Terphenyl-d14 (S)	ug/L	55.60	36.90	66	50 - 134	J
Fluoranthene-d10 (S)	ug/L	55.60	43.70	79	49 - 126	J
Decachlorobiphenyl (S)	ug/L	0.50	0.4490	90	48 - 137	J
Tetrachloro-m-xylene (S)	ug/L	1	0.6630	66	44 - 124	J
Tributylphosphate (S)	ug/L	1	0.7410	74	48.50 - 121	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Results

QC Batch: CVAj/2528
Preparation Method: SW-846 7470A
Associated Lab IDs: J2411335001, J2411335002, J2411335003
Analysis Method: DoD SW-846 7470A

Method Blank(5420763)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Mercury	0.013J	ug/L	0.011	0.040	0.10	J

Lab Control Sample (5420764)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Mercury	ug/L	2	1.8	90	82 - 119	J

Matrix Spike (5420765); Matrix Spike Duplicate (5420766); Original (J2411312003); Parent Lab Sample (J2411312003)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Mercury	ug/L	2	2	99	82 - 119	2	100	1.30	20	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Results

QC Batch: GCSj/6773
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411335001, J2411335002, J2411335003
Analysis Method: DOD SW-846 8081B

Method Blank(5423578)

Parameter	Results	Units	DL	LOD	LOQ	Lab
alpha-BHC	0.010U	ug/L	0.0050	0.010	0.020	J
gamma-BHC (Lindane)	0.010U	ug/L	0.0050	0.010	0.020	J
beta-BHC	0.010U	ug/L	0.0050	0.010	0.020	J
delta-BHC	0.010U	ug/L	0.0050	0.010	0.020	J
Heptachlor	0.010U	ug/L	0.0050	0.010	0.020	J
Aldrin	0.0050U	ug/L	0.0019	0.0050	0.020	J
Heptachlor Epoxide	0.010U	ug/L	0.0050	0.010	0.020	J
gamma-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	J
alpha-Chlordane	0.010U	ug/L	0.0050	0.010	0.020	J
Endosulfan I	0.010U	ug/L	0.0050	0.010	0.020	J
4,4`-DDE	0.010U	ug/L	0.0050	0.010	0.020	J
Dieldrin	0.0050U	ug/L	0.0019	0.0050	0.020	J
Endrin	0.010U	ug/L	0.0050	0.010	0.020	J
4,4`-DDD	0.010U	ug/L	0.0050	0.010	0.020	J
Endosulfan II	0.010U	ug/L	0.0050	0.010	0.020	J
Endrin Aldehyde	0.010U	ug/L	0.0050	0.010	0.020	J
4,4`-DDT	0.010U	ug/L	0.0050	0.010	0.020	J
Endosulfan Sulfate	0.010U	ug/L	0.0050	0.010	0.020	J
Methoxychlor	0.010U	ug/L	0.0050	0.010	0.020	J
Hexachlorobenzene	0.020U	ug/L	0.0080	0.020	0.040	J
Endrin ketone	0.040U	ug/L	0.020	0.040	0.080	J
Chlordane (technical)	0.25U	ug/L	0.12	0.25	0.50	J
Toxaphene	0.25U	ug/L	0.12	0.25	0.50	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.000751	**150**	48 - 137	J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.001210	121	44 - 124	J

Lab Control Sample (5423579); Lab Control Sample Duplicate (5423580); Parent Lab Sample (J2411335001, J2411335002, J2411335003)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
alpha-BHC	ug/L	0.10	0.11	106	54 - 138	0.1	104	1.40	30	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Batch: GCSj/6773
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411335001, J2411335002, J2411335003

Analysis Method: DOD SW-846 8081B

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
gamma-BHC (Lindane)	ug/L	0.10	0.12	117	59 - 134	0.12	115	1.80	30	J
beta-BHC	ug/L	0.10	0.11	109	56 - 136	0.11	108	1.10	30	J
delta-BHC	ug/L	0.10	0.12	122	52 - 142	0.12	119	2.50	30	J
Heptachlor	ug/L	0.10	0.1	104	54 - 130	0.1	102	1.90	30	J
Aldrin	ug/L	0.10	0.11	109	45 - 134	0.11	107	1.80	30	J
Heptachlor Epoxide	ug/L	0.10	0.11	110	61 - 133	0.11	106	3.40	30	J
gamma-Chlordane	ug/L	0.10	0.12	124	56 - 136	0.12	121	2.70	30	J
alpha-Chlordane	ug/L	0.10	0.11	107	60 - 129	0.1	104	2.80	30	J
Endosulfan I	ug/L	0.10	0.098	98	62 - 126	0.095	95	3.40	30	J
4,4`-DDE	ug/L	0.10	0.11	112	57 - 135	0.11	109	3	30	J
Dieldrin	ug/L	0.10	0.11	115	60 - 136	0.11	110	3.70	30	J
Endrin	ug/L	0.10	0.11	112	60 - 138	0.11	109	3.20	30	J
4,4`-DDD	ug/L	0.10	0.11	113	56 - 143	0.11	110	2.70	30	J
Endosulfan II	ug/L	0.10	0.1	100	52 - 135	0.098	98	2	30	J
Endrin Aldehyde	ug/L	0.10	0.1	100	51 - 132	0.097	97	2.60	30	J
4,4`-DDT	ug/L	0.10	0.11	113	51 - 143	0.11	110	2.30	30	J
Endosulfan Sulfate	ug/L	0.10	0.11	109	62 - 133	0.11	106	2.90	30	J
Methoxychlor	ug/L	0.10	0.13	126	54 - 145	0.13	126	0	30	J
Endrin ketone	ug/L	0.10	0.11	108	58 - 134	0.1	105	2.80	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.00056	113	48 - 137	0.00052	105	6.90		J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.00106	106	44 - 124	0.00101	101	5.10		J

Matrix Spike (5423581); Original (J2411335001); Parent Lab Sample (J2411335001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
alpha-BHC	ug/L	0.10	0.06	60	54 - 138	J
gamma-BHC (Lindane)	ug/L	0.10	0.089	89	59 - 134	J
beta-BHC	ug/L	0.10	0.1	101	56 - 136	J
delta-BHC	ug/L	0.10	0.092	92	52 - 142	J
Heptachlor	ug/L	0.10	0.071	71	54 - 130	J
Aldrin	ug/L	0.10	0.058	58	45 - 134	J
Heptachlor Epoxide	ug/L	0.10	0.084	84	61 - 133	J

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Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Batch: GCSj/6773
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411335001, J2411335002, J2411335003

Analysis Method: DOD SW-846 8081B

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
gamma-Chlordane	ug/L	0.10	0.11	112	56 - 136	J
alpha-Chlordane	ug/L	0.10	0.075	75	60 - 129	J
Endosulfan I	ug/L	0.10	0.088	88	62 - 126	J
4,4`-DDE	ug/L	0.10	0.074	74	57 - 135	J
Dieldrin	ug/L	0.10	0.074	74	60 - 136	J
Endrin	ug/L	0.10	0.084	84	60 - 138	J
4,4`-DDD	ug/L	0.10	0.073	73	56 - 143	J
Endosulfan II	ug/L	0.10	0.071	71	52 - 135	J
Endrin Aldehyde	ug/L	0.10	0.084	84	51 - 132	J
4,4`-DDT	ug/L	0.10	0.078	78	51 - 143	J
Endosulfan Sulfate	ug/L	0.10	0.09	90	62 - 133	J
Methoxychlor	ug/L	0.10	0.11	114	54 - 145	J
Endrin ketone	ug/L	0.10	0.082	82	58 - 134	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.000352	70	48 - 137	J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.000775	77	44 - 124	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Results

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Batch: GCSj/6786
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411335001, J2411335002, J2411335003

Analysis Method: DoD SW-846 8082A

Method Blank(5423597)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Aroclor 1016 (PCB-1016)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1221 (PCB-1221)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1232 (PCB-1232)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1242 (PCB-1242)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1248 (PCB-1248)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1254 (PCB-1254)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1260 (PCB-1260)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1262 (PCB-1262)	0.25U	ug/L	0.12	0.25	0.50	J
Aroclor 1268 (PCB-1268)	0.25U	ug/L	0.12	0.25	0.50	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.000751	**150**	44 - 136	J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.001210	**121**	61 - 119	J

Lab Control Sample (5423598); Lab Control Sample Duplicate (5423599); Parent Lab Sample (J2411335001, J2411335002, J2411335003)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Aroclor 1016 (PCB-1016)	ug/L	1	0.92	92	46 - 129	0.86	86	7	30	J
Aroclor 1260 (PCB-1260)	ug/L	1	0.94	94	45 - 134	0.9	90	4.30	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.00051	104	44 - 136	0.00051	103	0.50		J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.00097	98	61 - 119	0.00092	92	5.70		J

Matrix Spike (5423600); Original (J2411335002); Parent Lab Sample (J2411335002)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Aroclor 1016 (PCB-1016)	ug/L	1	0	**0**	46 - 129	J
Aroclor 1260 (PCB-1260)	ug/L	1	0	**0**	45 - 134	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Decachlorobiphenyl (S)	mg/L	0.0005	0.000296	59	44 - 136	J
Tetrachloro-m-xylene (S)	mg/L	0.0010	0.000717	72	61 - 119	J

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Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Results

QC Batch: GCSj/6798
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411335001, J2411335002, J2411335003
Analysis Method: DoD SW-846 8141B

Method Blank(5423587)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Mevinphos	0.20U	ug/L	0.10	0.20	0.40	J
Demeton	0.20U	ug/L	0.10	0.20	0.40	J
Ethoprop	0.20U	ug/L	0.10	0.20	0.40	J
Phorate	0.20U	ug/L	0.10	0.20	0.40	J
Diazinon	0.20U	ug/L	0.10	0.20	0.40	J
Disulfoton	0.20U	ug/L	0.10	0.20	0.40	J
Ronnel	0.20U	ug/L	0.10	0.20	0.40	J
Methyl Parathion	0.20U	ug/L	0.10	0.20	0.40	J
Chlorpyrifos	0.20U	ug/L	0.10	0.20	0.40	J
Merphos	0.20U	ug/L	0.10	0.20	0.40	J
Fensulfothion	0.20U	ug/L	0.10	0.20	0.40	J
Azinphos-methyl	0.20U	ug/L	0.10	0.20	0.40	J
Sulfotep	0.20U	ug/L	0.10	0.20	0.40	J
Dimethoate	0.20U	ug/L	0.10	0.20	0.40	J
Fonophos	0.20U	ug/L	0.10	0.20	0.40	J
Chlorpyrifos-methyl	0.20U	ug/L	0.10	0.20	0.40	J
Malathion	0.20U	ug/L	0.10	0.20	0.40	J
Parathion (Ethyl)	0.20U	ug/L	0.10	0.20	0.40	J
Ethion	0.20U	ug/L	0.10	0.20	0.40	J
Famphur	0.20U	ug/L	0.10	0.20	0.40	J
Phosmet	0.20U	ug/L	0.10	0.20	0.40	J
Atrazine	0.20U	ug/L	0.10	0.20	0.40	J
Simazine	0.20U	ug/L	0.10	0.20	0.40	J
Demeton-S	0.10U	ug/L	0.050	0.10	0.20	J
Demeton-O	0.10U	ug/L	0.050	0.10	0.20	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	mg/L	0.0010	0.001020	102	48.50 - 121	J

Lab Control Sample (5423588); Lab Control Sample Duplicate (5423589); Parent Lab Sample (J2411335001, J2411335002, J2411335003)

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Batch: GCSj/6798
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411335001, J2411335002, J2411335003

Analysis Method: DoD SW-846 8141B

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Mevinphos	ug/L	0.50	0.46	91	37 - 171	0.43	86	5.90	30	J
Demeton	ug/L	0.50	0.44	88	25 - 128	0.4	81	8.10	30	J
Ethoprop	ug/L	0.50	0.44	88	52 - 125	0.41	83	5.90	30	J
Phorate	ug/L	0.50	0.42	83	23 - 139	0.39	78	6.70	30	J
Diazinon	ug/L	0.50	0.4	81	43 - 129	0.31	62	27	30	J
Disulfoton	ug/L	0.50	0.4	80	36 - 134	0.37	74	8.60	30	J
Ronnel	ug/L	0.50	0.43	86	42 - 133	0.39	78	9.70	30	J
Methyl Parathion	ug/L	0.50	0.44	87	49 - 134	0.4	80	8.40	30	J
Chlorpyrifos	ug/L	0.50	0.43	86	47 - 133	0.39	79	8.80	30	J
Merphos	ug/L	0.50	0.43	86	26 - 133	0.4	80	7.50	30	J
Fensulfothion	ug/L	0.50	0.41	82	24 - 160	0.36	72	13	30	J
Azinphos-methyl	ug/L	0.50	0.44	89	43 - 135	0.37	74	18	30	J
Sulfotep	ug/L	0.50	0.44	89	47 - 126	0.42	83	6.50	30	J
Dimethoate	ug/L	0.50	0.46	92	26 - 125	0.4	79	15	30	J
Fonophos	ug/L	0.50	0.4	80	54 - 122	0.36	72	11	30	J
Chlorpyrifos-methyl	ug/L	0.50	0.43	86	51 - 133	0.39	79	9	30	J
Malathion	ug/L	0.50	0.45	89	44 - 132	0.41	82	8.90	30	J
Parathion (Ethyl)	ug/L	0.50	0.43	86	52 - 134	0.39	78	9	30	J
Ethion	ug/L	0.50	0.45	90	42 - 145	0.41	83	8.10	30	J
Famphur	ug/L	0.50	0.46	92	38 - 183	0.42	85	8.10	30	J
Phosmet	ug/L	0.50	0.44	89	44 - 164	0.39	78	13	30	J
Atrazine	ug/L	0.50	0.48	97	45 - 120	0.4	81	18	30	J
Simazine	ug/L	0.50	0.46	92	51 - 136	0.36	72	24	30	J
Demeton-S	ug/L	0.25	0.21	84	21 - 162	0.2	78	6.90	30	J
Demeton-O	ug/L	0.25	0.23	92	25 - 128	0.21	84	9.10	30	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Tributylphosphate (S)	mg/L	0.0010	0.00088	89	48.50 - 1	0.00082	82	8		J

Matrix Spike (5423590); Original (J2411335003); Parent Lab Sample (J2411335003)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Mevinphos	ug/L	0.50	0.34	68	37 - 171	J
Demeton	ug/L	0.50	0.24	48	25 - 128	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Batch: GCSj/6798
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411335001, J2411335002, J2411335003

Analysis Method: DoD SW-846 8141B

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Ethoprop	ug/L	0.50	0.25	**50**	52 - 125	J
Phorate	ug/L	0.50	0.19	37	23 - 139	J
Diazinon	ug/L	0.50	0.23	46	43 - 129	J
Disulfoton	ug/L	0.50	0.23	45	36 - 134	J
Ronnel	ug/L	0.50	0.18	**36**	42 - 133	J
Methyl Parathion	ug/L	0.50	0.22	**43**	49 - 134	J
Chlorpyrifos	ug/L	0.50	0.21	**42**	47 - 133	J
Merphos	ug/L	0.50	0.28	57	26 - 133	J
Fensulfothion	ug/L	0.50	0.13	27	24 - 160	J
Azinphos-methyl	ug/L	0.50	0.18	**35**	43 - 135	J
Sulfotep	ug/L	0.50	0.22	**45**	47 - 126	J
Dimethoate	ug/L	0.50	0.21	43	26 - 125	J
Fonophos	ug/L	0.50	0.22	**45**	54 - 122	J
Chlorpyrifos-methyl	ug/L	0.50	0.24	**47**	51 - 133	J
Malathion	ug/L	0.50	0.25	49	44 - 132	J
Parathion (Ethyl)	ug/L	0.50	0.19	**38**	52 - 134	J
Ethion	ug/L	0.50	0.24	49	42 - 145	J
Famphur	ug/L	0.50	0.19	38	38 - 183	J
Phosmet	ug/L	0.50	0.19	**38**	44 - 164	J
Atrazine	ug/L	0.50	0.5	100	45 - 120	J
Simazine	ug/L	0.50	0.5	100	51 - 136	J
Demeton-S	ug/L	0.25	0.12	46	21 - 162	J
Demeton-O	ug/L	0.25	0.12	50	25 - 128	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Tributylphosphate (S)	mg/L	0.0010	0.000563	56	48.50 - 121	J

QC Result Comments

Matrix Spike - 5423590 - Azinphos-methyl

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5423590 - Chlorpyrifos

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Result Comments

Matrix Spike - 5423590 - Chlorpyrifos-methyl

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5423590 - Ethoprop

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5423590 - Fonophos

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5423590 - Methyl Parathion

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5423590 - Parathion (Ethyl)

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5423590 - Phosmet

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5423590 - Ronnel

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike - 5423590 - Sulfotep

*|MS/MSD recovery and/or RPD is out of criteria

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Results

QC Batch: ICMj/4582
Preparation Method: SW-846 3010A
Associated Lab IDs: J2411335001, J2411335002, J2411335003
Analysis Method: DoD SW-846 6020A

Method Blank(5437052)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Beryllium	2.0U	ug/L	1.0	2.0	4.0	J
Chromium	1.0U	ug/L	0.50	1.0	2.0	J
Nickel	2.5U	ug/L	1.2	2.5	5.0	J
Copper	2.0U	ug/L	1.0	2.0	4.0	J
Zinc	12U	ug/L	6.0	12	24	J
Arsenic	0.50U	ug/L	0.25	0.50	1.0	J
Selenium	2.5U	ug/L	1.2	2.5	5.0	J
Silver	1.0U	ug/L	0.50	1.0	2.0	J
Cadmium	0.50U	ug/L	0.25	0.50	1.0	J
Antimony	2.0U	ug/L	1.0	2.0	4.0	J
Barium	1.0U	ug/L	0.50	1.0	2.0	J
Thallium	0.50U	ug/L	0.25	0.50	1.0	J
Lead	1.0U	ug/L	0.50	1.0	2.0	J

Lab Control Sample (5437053)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Beryllium	ug/L	20	19	94	83 - 121	J
Chromium	ug/L	20	19	97	85 - 116	J
Nickel	ug/L	20	19	96	85 - 117	J
Copper	ug/L	20	19	94	85 - 118	J
Zinc	ug/L	520	510	98	83 - 119	J
Arsenic	ug/L	20	20	100	84 - 116	J
Selenium	ug/L	20	20	101	80 - 120	J
Silver	ug/L	20	19	97	85 - 116	J
Cadmium	ug/L	20	20	100	87 - 115	J
Antimony	ug/L	20	20	100	85 - 117	J
Barium	ug/L	20	19	96	86 - 114	J
Thallium	ug/L	20	20	98	82 - 116	J
Lead	ug/L	20	20	98	88 - 115	J

Matrix Spike (5437054); Matrix Spike Duplicate (5437055); Original (J2411320001); Parent Lab Sample (J2411320001)

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Batch: ICMj/4582
Preparation Method: SW-846 3010A
Associated Lab IDs: J2411335001, J2411335002, J2411335003

Analysis Method: DoD SW-846 6020A

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Beryllium	ug/L	20	20	99	83 - 121	20	101	2.60	20	J
Chromium	ug/L	20	22	95	85 - 116	22	96	1	20	J
Nickel	ug/L	20	19	94	85 - 117	19	94	0.40	20	J
Copper	ug/L	20	18	89	85 - 118	18	89	0.80	20	J
Zinc	ug/L	520	500	96	83 - 119	510	97	1.10	20	J
Arsenic	ug/L	20	19	96	84 - 116	20	98	1.80	20	J
Selenium	ug/L	20	18	91	80 - 120	20	99	7.90	20	J
Silver	ug/L	20	19	95	85 - 116	19	95	0.30	20	J
Cadmium	ug/L	20	20	99	87 - 115	20	99	0.60	20	J
Antimony	ug/L	20	20	100	85 - 117	20	101	1.40	20	J
Barium	ug/L	20	30	93	86 - 114	30	97	2.50	20	J
Thallium	ug/L	20	20	98	82 - 116	20	100	2.10	20	J
Lead	ug/L	20	19	97	88 - 115	20	99	2	20	J

Method Blank(5437052)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Beryllium	2.0U	ug/L	1.0	2.0	4.0	J
Chromium	1.0U	ug/L	0.50	1.0	2.0	J
Nickel	2.5U	ug/L	1.2	2.5	5.0	J
Copper	2.0U	ug/L	1.0	2.0	4.0	J
Zinc	12U	ug/L	6.0	12	24	J
Arsenic	0.50U	ug/L	0.25	0.50	1.0	J
Selenium	2.5U	ug/L	1.2	2.5	5.0	J
Silver	1.0U	ug/L	0.50	1.0	2.0	J
Cadmium	0.50U	ug/L	0.25	0.50	1.0	J
Antimony	2.0U	ug/L	1.0	2.0	4.0	J
Barium	1.0U	ug/L	0.50	1.0	2.0	J
Thallium	0.50U	ug/L	0.25	0.50	1.0	J
Lead	1.0U	ug/L	0.50	1.0	2.0	J

Lab Control Sample (5437053)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Beryllium	ug/L	20	19	94	83 - 121	J
Chromium	ug/L	20	19	97	85 - 116	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Batch: ICMj/4582
Preparation Method: SW-846 3010A
Associated Lab IDs: J2411335001, J2411335002, J2411335003

Analysis Method: DoD SW-846 6020A

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nickel	ug/L	20	19	96	85 - 117	J
Copper	ug/L	20	19	94	85 - 118	J
Zinc	ug/L	520	510	98	83 - 119	J
Arsenic	ug/L	20	20	100	84 - 116	J
Selenium	ug/L	20	20	101	80 - 120	J
Silver	ug/L	20	19	97	85 - 116	J
Cadmium	ug/L	20	20	100	87 - 115	J
Antimony	ug/L	20	20	100	85 - 117	J
Barium	ug/L	20	19	96	86 - 114	J
Thallium	ug/L	20	20	98	82 - 116	J
Lead	ug/L	20	20	98	88 - 115	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Results

QC Batch: MSSj/4179
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411335001, J2411335002, J2411335003
Analysis Method: DoD SW-846 8270D

Method Blank(5421824)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Phenol	2.5U	ug/L	1.2	2.5	5.0	J
2-Chlorophenol	2.5U	ug/L	1.2	2.5	5.0	J
2-Methylphenol (o-Cresol)	2.5U	ug/L	1.2	2.5	5.0	J
3+4-Methylphenol(mp-Cresol)	5.0U	ug/L	2.5	5.0	10	J
2-Nitrophenol	2.5U	ug/L	1.2	2.5	5.0	J
2,4-Dimethylphenol	5.0U	ug/L	2.5	5.0	10	J
2,4-Dichlorophenol	2.5U	ug/L	1.2	2.5	5.0	J
4-Chloro-3-methylphenol	2.5U	ug/L	1.2	2.5	5.0	J
2,4,6-Trichlorophenol	2.5U	ug/L	1.2	2.5	5.0	J
2,4,5-Trichlorophenol	2.5U	ug/L	1.2	2.5	5.0	J
2,4-Dinitrophenol	2.5U	ug/L	1.2	2.5	5.0	J
4-Nitrophenol	5.0U	ug/L	2.5	5.0	10	J
2-Methyl-4,6-dinitrophenol	5.0U	ug/L	2.5	5.0	10	J
Pentachlorophenol	1.9U	ug/L	0.96	1.9	5.0	J
bis(2-Chloroethyl)Ether	2.5U	ug/L	1.2	2.5	5.0	J
bis(2-Chloroisopropyl) Ether	2.5U	ug/L	1.2	2.5	5.0	J
Acetophenone	2.5U	ug/L	1.2	2.5	5.0	J
N-Nitrosodi-n-propylamine	5.0U	ug/L	2.5	5.0	10	J
Hexachloroethane	2.5U	ug/L	1.2	2.5	5.0	J
Nitrobenzene	2.5U	ug/L	1.2	2.5	5.0	J
Isophorone	2.5U	ug/L	1.2	2.5	5.0	J
bis(2-Chloroethoxy)methane	2.5U	ug/L	1.2	2.5	5.0	J
Naphthalene	0.20U	ug/L	0.10	0.20	0.40	J
4-Chloroaniline	2.5U	ug/L	1.2	2.5	5.0	J
Hexachlorobutadiene	2.5U	ug/L	1.2	2.5	5.0	J
2-Methylnaphthalene	0.20U	ug/L	0.10	0.20	0.40	J
Hexachlorocyclopentadiene	5.0U	ug/L	2.5	5.0	10	J
2-Chloronaphthalene	2.5U	ug/L	1.2	2.5	5.0	J
2-Nitroaniline	2.5U	ug/L	1.2	2.5	5.0	J
Dimethyl phthalate	2.5U	ug/L	1.2	2.5	5.0	J
2,6-Dinitrotoluene (2,6-DNT)	5.0U	ug/L	2.5	5.0	10	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Batch: MSSj/4179
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411335001, J2411335002, J2411335003

Analysis Method: DoD SW-846 8270D

Parameter	Results	Units	DL	LOD	LOQ	Lab
Acenaphthylene	0.20U	ug/L	0.10	0.20	0.40	J
3-Nitroaniline	2.5U	ug/L	1.2	2.5	5.0	J
Acenaphthene	0.20U	ug/L	0.10	0.20	0.40	J
Dibenzofuran	0.20U	ug/L	0.10	0.20	0.40	J
2,4-Dinitrotoluene (2,4-DNT)	5.0U	ug/L	2.5	5.0	10	J
Diethyl phthalate	2.5U	ug/L	1.2	2.5	5.0	J
Fluorene	0.20U	ug/L	0.10	0.20	0.40	J
4-Chlorophenyl Phenyl Ether	5.0U	ug/L	2.5	5.0	10	J
4-Nitroaniline	2.5U	ug/L	1.2	2.5	5.0	J
4-Bromophenyl Phenyl Ether	2.5U	ug/L	1.2	2.5	5.0	J
Hexachlorobenzene	2.5U	ug/L	1.2	2.5	5.0	J
Phenanthrene	0.20U	ug/L	0.10	0.20	0.40	J
Anthracene	0.20U	ug/L	0.10	0.20	0.40	J
Carbazole	0.20U	ug/L	0.10	0.20	0.40	J
Di-n-Butyl Phthalate	5.0U	ug/L	2.5	5.0	10	J
Fluoranthene	0.20U	ug/L	0.10	0.20	0.40	J
Pyrene	0.20U	ug/L	0.10	0.20	0.40	J
Butyl benzyl phthalate	5.0U	ug/L	2.5	5.0	10	J
Benzo[a]anthracene	0.099U	ug/L	0.050	0.099	0.40	J
3,3`-Dichlorobenzidine	5.0U	ug/L	2.5	5.0	10	J
Chrysene	0.20U	ug/L	0.10	0.20	0.40	J
bis(2-Ethylhexyl) phthalate	5.0U	ug/L	2.5	5.0	10	J
Di-n-octyl Phthalate	5.0U	ug/L	2.5	5.0	10	J
Benzo[b]fluoranthene	0.099U	ug/L	0.050	0.099	0.40	J
Benzo[k]fluoranthene	0.20U	ug/L	0.10	0.20	0.40	J
Benzo[a]pyrene	0.20U	ug/L	0.10	0.20	0.40	J
Indeno(1,2,3-cd)pyrene	0.099U	ug/L	0.050	0.099	0.40	J
Dibenzo[a,h]anthracene	0.20U	ug/L	0.10	0.20	0.40	J
Benzo[g,h,i]perylene	0.20U	ug/L	0.10	0.20	0.40	J
N-Nitrosodiphenylamine	5.0U	ug/L	2.5	5.0	10	J
Biphenyl	5.0U	ug/L	2.5	5.0	10	J
Atrazine	5.0U	ug/L	2.5	5.0	10	J
Benzaldehyde	5.0U	ug/L	2.5	5.0	10	J
Caprolactam	5.0U	ug/L	2.5	5.0	10	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Batch: MSSj/4179
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411335001, J2411335002, J2411335003

Analysis Method: DoD SW-846 8270D

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2,4,6-Tribromophenol (S)	mg/L	0.05	0.0393	79	43 - 140	J
2-Fluorobiphenyl (S)	mg/L	0.05	0.0379	76	44 - 119	J
2-Fluorophenol (S)	mg/L	0.05	0.0385	77	19 - 119	J
2-Methylnaphthalene-d10 (S)	mg/L	0.05	0.0398	80	41 - 131	J
Fluoranthene-d10 (S)	mg/L	0.05	0.0451	90	49 - 126	J
Nitrobenzene-d5 (S)	mg/L	0.05	0.0367	73	44 - 120	J
Phenol-d6 (S)	mg/L	0.05	0.0378	76	21 - 132	J
p-Terphenyl-d14 (S)	mg/L	0.05	0.0386	77	50 - 134	J

Lab Control Sample (5421825); Lab Control Sample Duplicate (5421826); Parent Lab Sample (J2411335001, J2411335002, J2411335003)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Phenol	ug/L	50	24	49	38 - 113	25	50	3.30	20	J
2-Chlorophenol	ug/L	50	35	70	38 - 117	36	72	2.70	20	J
2-Methylphenol (o-Cresol)	ug/L	50	35	71	30 - 117	36	72	1.60	20	J
3+4-Methylphenol(mp-Cres	ug/L	50	34	69	29 - 110	35	70	1.70	20	J
2-Nitrophenol	ug/L	50	36	72	47 - 123	38	77	6.50	20	J
2,4-Dimethylphenol	ug/L	50	42	84	31 - 124	43	87	3.60	20	J
2,4-Dichlorophenol	ug/L	50	36	71	47 - 121	37	75	5	20	J
4-Chloro-3-methylphenol	ug/L	50	37	73	52 - 119	38	75	2.50	20	J
2,4,6-Trichlorophenol	ug/L	50	37	73	50 - 125	37	75	1.90	20	J
2,4,5-Trichlorophenol	ug/L	50	37	74	53 - 123	38	76	2	20	J
2,4-Dinitrophenol	ug/L	50	40	80	23 - 143	41	82	2.70	20	J
4-Nitrophenol	ug/L	50	29	57	45 - 127	28	56	3	20	J
2-Methyl-4,6-dinitrophenol	ug/L	50	43	86	44 - 137	44	88	2.30	20	J
Pentachlorophenol	ug/L	50	33	65	35 - 138	33	66	2.20	20	J
bis(2-Chloroethyl)Ether	ug/L	50	33	66	43 - 118	34	69	3.60	20	J
bis(2-Chloroisopropyl) Ethe	ug/L	50	34	67	37 - 130	35	69	3.20	20	J
Acetophenone	ug/L	50	34	67	46 - 118	35	70	4.40	20	J
N-Nitrosodi-n-propylamine	ug/L	50	35	70	49 - 119	36	73	3.30	20	J
Hexachloroethane	ug/L	50	32	63	21 - 115	33	66	3.50	20	J
Nitrobenzene	ug/L	50	34	68	45 - 121	35	71	4.40	20	J
Isophorone	ug/L	50	34	67	42 - 124	36	71	6.30	20	J
bis(2-Chloroethoxy)methan	ug/L	50	34	68	48 - 120	36	72	5.10	20	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Batch: MSSj/4179
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411335001, J2411335002, J2411335003

Analysis Method: DoD SW-846 8270D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Naphthalene	ug/L	50	34	69	43 - 114	36	72	5.30	20	J
4-Chloroaniline	ug/L	50	30	61	33 - 117	33	65	7.10	20	J
Hexachlorobutadiene	ug/L	50	32	65	22 - 124	34	68	5.20	20	J
2-Methylnaphthalene	ug/L	50	34	68	39 - 114	36	73	6.30	20	J
Hexachlorocyclopentadiene	ug/L	50	52	104	51 - 141	54	109	4.20	20	J
2-Chloronaphthalene	ug/L	50	34	68	40 - 116	34	69	1.20	20	J
2-Nitroaniline	ug/L	50	38	76	55 - 127	39	78	1.70	20	J
Dimethyl phthalate	ug/L	50	36	72	45 - 127	37	74	3.20	20	J
2,6-Dinitrotoluene (2,6-DNT	ug/L	50	38	76	57 - 124	38	76	0.30	20	J
Acenaphthylene	ug/L	50	41	82	35 - 121	42	83	1.40	20	J
3-Nitroaniline	ug/L	50	38	76	41 - 128	39	78	2.70	20	J
Acenaphthene	ug/L	50	36	72	48 - 114	36	72	1.10	20	J
Dibenzofuran	ug/L	50	36	72	35 - 120	37	74	2.80	20	J
2,4-Dinitrotoluene (2,4-DNT	ug/L	50	37	74	57 - 128	39	78	5.30	20	J
Diethyl phthalate	ug/L	50	36	73	56 - 125	37	74	1.60	20	J
Fluorene	ug/L	50	37	75	50 - 118	38	76	1.50	20	J
4-Chlorophenyl Phenyl Eth	ug/L	50	35	71	53 - 121	36	72	1.70	20	J
4-Nitroaniline	ug/L	50	40	80	64 - 143	41	81	1.70	20	J
4-Bromophenyl Phenyl Eth	ug/L	50	37	74	55 - 124	38	76	2.90	20	J
Hexachlorobenzene	ug/L	50	36	72	53 - 125	38	76	5	20	J
Phenanthrene	ug/L	50	37	74	53 - 115	38	77	3.50	20	J
Anthracene	ug/L	50	37	73	53 - 119	37	75	2.20	20	J
Carbazole	ug/L	50	38	76	45 - 123	39	78	2.40	20	J
Di-n-Butyl Phthalate	ug/L	50	37	74	59 - 127	39	78	5.20	20	J
Fluoranthene	ug/L	50	38	76	58 - 120	39	78	2.60	20	J
Pyrene	ug/L	50	36	72	53 - 121	37	74	3.30	20	J
Butyl benzyl phthalate	ug/L	50	37	74	53 - 134	37	75	1.30	20	J
Benzo[a]anthracene	ug/L	50	38	75	59 - 120	39	78	3.50	20	J
3,3`-Dichlorobenzidine	ug/L	50	31	62	27 - 129	32	63	1.50	20	J
Chrysene	ug/L	50	36	73	57 - 120	37	74	2.40	20	J
bis(2-Ethylhexyl) phthalate	ug/L	50	36	72	55 - 135	37	74	1.90	20	J
Di-n-octyl Phthalate	ug/L	50	37	73	51 - 140	38	76	3.40	20	J
Benzo[b]fluoranthene	ug/L	50	40	81	53 - 126	43	87	7.40	20	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Batch: MSSj/4179
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411335001, J2411335002, J2411335003

Analysis Method: DoD SW-846 8270D

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzo[k]fluoranthene	ug/L	50	36	73	54 - 125	38	77	5	20	J
Benzo[a]pyrene	ug/L	50	41	82	53 - 120	43	86	4.50	20	J
Indeno(1,2,3-cd)pyrene	ug/L	50	40	80	48 - 130	43	87	7.40	20	J
Dibenzo[a,h]anthracene	ug/L	50	41	83	44 - 131	46	91	9.40	20	J
Benzo[g,h,i]perylene	ug/L	50	39	78	44 - 128	42	84	7.40	20	J
N-Nitrosodiphenylamine	ug/L	50	31	63	51 - 123	33	65	3.80	20	J
Biphenyl	ug/L	50	35	69	49 - 115	35	71	2.30	20	J
Atrazine	ug/L	50	33	67	44 - 142	36	72	8	20	J
Benzaldehyde	ug/L	50	28	55	10 - 98	27	54	2.80	20	J
Caprolactam	ug/L	50	17	35	33 - 132	18	36	4.40	20	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2,4,6-Tribromophenol (S)	mg/L	0.05	0.0349	70	43 - 140	0.0347	69	0.70		J
2-Fluorobiphenyl (S)	mg/L	0.05	0.0331	66	44 - 119	0.0339	68	2.50		J
2-Fluorophenol (S)	mg/L	0.05	0.0263	53	19 - 119	0.0273	55	3.80		J
2-Methylnaphthalene-d10 (S)	mg/L	0.05	0.0362	72	41 - 131	0.0375	75	3.70		J
Fluoranthene-d10 (S)	mg/L	0.05	0.0386	77	49 - 126	0.04	80	3.60		J
Nitrobenzene-d5 (S)	mg/L	0.05	0.0317	63	44 - 120	0.0339	68	6.80		J
Phenol-d6 (S)	mg/L	0.05	0.0212	42	21 - 132	0.0220	44	3.80		J
p-Terphenyl-d14 (S)	mg/L	0.05	0.0330	66	50 - 134	0.0345	69	4.50		J

QC Result Comments

Method Blank - 5421824 - Hexachloroethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Method Blank - 5421824 - bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample - 5421825 - Hexachloroethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample - 5421825 - bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample Duplicate - 5421826 - 3+4-Methylphenol(mp-Cresol)

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Result Comments

Lab Control Sample Duplicate - 5421826 - Hexachloroethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample Duplicate - 5421826 - bis(2-Chloroisopropyl) Ether

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Results

QC Batch: MSSj/4208
Preparation Method: SW-846 3510C
Associated Lab IDs: J2411335001, J2411335002, J2411335003
Analysis Method: DOD SW-846 8270D SIM

Method Blank(5423075)

Parameter	Results	Units	DL	LOD	LOQ	Lab
1,4-Dioxane	0.40U	ug/L	0.20	0.40	0.80	J
Nitrobenzene-d5	**8.97**	ug/L				J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Nitrobenzene-d5 (S)	ug/L	10	8.97	90	55 - 111	J

Lab Control Sample (5423076); Lab Control Sample Duplicate (5423077); Parent Lab Sample (J2411335001, J2411335002, J2411335003)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,4-Dioxane	ug/L	5	5.1	102	59 - 139	5.3	106	3.20	20	J
Nitrobenzene-d5	ug/L	10	8.58	86	55 - 111			1.60		J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Nitrobenzene-d5 (S)	ug/L	10	8.58	86	55 - 111	8.44	84	1.60		J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Results

QC Batch: MSVj/10371
Preparation Method: SW-846 5030B
Associated Lab IDs: J2411335001, J2411335002, J2411335003
Analysis Method: DoD SW-846 8260C

Method Blank(5428436)

Parameter	Results	Units	DL	LOD	LOQ	Lab
Dichlorodifluoromethane	1.0U	ug/L	0.50	1.0	2.0	J
Chloromethane	0.50U	ug/L	0.25	0.50	1.0	J
Vinyl Chloride	0.50U	ug/L	0.25	0.50	1.0	J
Bromomethane	**2.8**	ug/L	0.50	1.0	2.0	J
Chloroethane	1.0U	ug/L	0.50	1.0	2.0	J
Trichlorofluoromethane	1.0U	ug/L	0.50	1.0	2.0	J
Acetone	1.0U	ug/L	0.50	1.0	2.0	J
1,1-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	J
Methylene Chloride	2.5U	ug/L	1.2	2.5	5.0	J
Carbon Disulfide	1.0U	ug/L	0.50	1.0	2.0	J
trans-1,2-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	J
Methyl tert-butyl Ether (MTBE)	0.50U	ug/L	0.25	0.50	1.0	J
1,1-Dichloroethane	0.50U	ug/L	0.25	0.50	1.0	J
2-Butanone (MEK)	0.50U	ug/L	0.25	0.50	1.0	J
cis-1,2-Dichloroethylene	1.0U	ug/L	0.50	1.0	2.0	J
Chloroform	1.0U	ug/L	0.50	1.0	2.0	J
1,2-Dichloroethane	0.50U	ug/L	0.25	0.50	1.0	J
1,1,1-Trichloroethane	1.0U	ug/L	0.50	1.0	2.0	J
Carbon Tetrachloride	0.50U	ug/L	0.25	0.50	1.0	J
Benzene	0.50U	ug/L	0.25	0.50	1.0	J
1,2-Dichloropropane	0.50U	ug/L	0.25	0.50	1.0	J
Trichloroethene	0.50U	ug/L	0.25	0.50	1.0	J
Bromodichloromethane	0.50U	ug/L	0.25	0.50	1.0	J
cis-1,3-Dichloropropene	0.40U	ug/L	0.20	0.40	1.0	J
4-Methyl-2-pentanone (MIBK)	1.0U	ug/L	0.50	1.0	2.0	J
trans-1,3-Dichloropropylene	0.40U	ug/L	0.20	0.40	1.0	J
1,1,2-Trichloroethane	0.50U	ug/L	0.25	0.50	1.0	J
Toluene	0.50U	ug/L	0.25	0.50	1.0	J
2-Hexanone	1.0U	ug/L	0.50	1.0	2.0	J
Dibromochloromethane	0.40U	ug/L	0.20	0.40	1.0	J
Ethylene Dibromide (EDB)	0.50U	ug/L	0.25	0.50	1.0	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Batch: MSVj/10371
Preparation Method: SW-846 5030B
Associated Lab IDs: J2411335001, J2411335002, J2411335003
Analysis Method: DoD SW-846 8260C

Parameter	Results	Units	DL	LOD	LOQ	Lab
Tetrachloroethylene (PCE)	0.50U	ug/L	0.25	0.50	1.0	J
Chlorobenzene	1.0U	ug/L	0.50	1.0	2.0	J
Ethylbenzene	0.50U	ug/L	0.25	0.50	1.0	J
Bromoform	0.50U	ug/L	0.25	0.50	1.0	J
Styrene	1.0U	ug/L	0.50	1.0	2.0	J
1,1,2,2-Tetrachloroethane	0.40U	ug/L	0.20	0.40	1.0	J
Isopropylbenzene	0.50U	ug/L	0.25	0.50	1.0	J
1,3-Dichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	J
1,4-Dichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	J
1,2-Dichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	J
1,2-Dibromo-3-Chloropropane	2.5U	ug/L	1.2	2.5	5.0	J
1,2,4-Trichlorobenzene	1.0U	ug/L	0.50	1.0	2.0	J
Xylene (Total)	1.5U	ug/L	0.75	1.5	3.0	J
1,1,2-Trichlorotrifluoroethane	1.0U	ug/L	0.50	1.0	2.0	J
Cyclohexane	1.0U	ug/L	0.50	1.0	2.0	J
Methyl Acetate	1.0U	ug/L	0.50	1.0	2.0	J
Methyl Cyclohexane	1.0U	ug/L	0.50	1.0	2.0	J
1,4-Dioxane	2.5U	ug/L	1.2	2.5	5.0	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	55	110	81 - 118	J
Bromofluorobenzene (S)	ug/L	50	53	106	85 - 114	J
Toluene-d8 (S)	ug/L	50	48.60	97	89 - 112	J

Lab Control Sample (5428437)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	ug/L	20	20	98	32 - 152	J
Chloromethane	ug/L	20	21	106	50 - 139	J
Vinyl Chloride	ug/L	20	22	108	58 - 137	J
Bromomethane	ug/L	20	26	132	53 - 141	J
Chloroethane	ug/L	20	23	116	60 - 138	J
Trichlorofluoromethane	ug/L	20	23	115	65 - 141	J
Acetone	ug/L	20	24	118	39 - 160	J
1,1-Dichloroethylene	ug/L	20	22	111	71 - 131	J

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Batch: MSVj/10371
Preparation Method: SW-846 5030B
Associated Lab IDs: J2411335001, J2411335002, J2411335003

Analysis Method: DoD SW-846 8260C

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Methylene Chloride	ug/L	20	23	113	74 - 124	J
Carbon Disulfide	ug/L	20	21	105	64 - 133	J
trans-1,2-Dichloroethylene	ug/L	20	22	109	75 - 124	J
Methyl tert-butyl Ether (MTBE)	ug/L	20	20	98	71 - 124	J
1,1-Dichloroethane	ug/L	20	21	106	77 - 125	J
2-Butanone (MEK)	ug/L	20	20	98	56 - 143	J
cis-1,2-Dichloroethylene	ug/L	20	21	107	78 - 123	J
Chloroform	ug/L	20	21	106	79 - 124	J
1,2-Dichloroethane	ug/L	20	23	113	73 - 128	J
1,1,1-Trichloroethane	ug/L	20	21	103	74 - 131	J
Carbon Tetrachloride	ug/L	20	21	107	72 - 136	J
Benzene	ug/L	20	21	106	79 - 120	J
1,2-Dichloropropane	ug/L	20	21	106	78 - 122	J
Trichloroethene	ug/L	20	21	104	79 - 123	J
Bromodichloromethane	ug/L	20	22	108	79 - 125	J
cis-1,3-Dichloropropene	ug/L	20	21	104	75 - 124	J
4-Methyl-2-pentanone (MIBK)	ug/L	20	20	98	67 - 130	J
trans-1,3-Dichloropropylene	ug/L	20	20	102	73 - 127	J
1,1,2-Trichloroethane	ug/L	20	20	100	80 - 119	J
Toluene	ug/L	20	19	97	80 - 121	J
2-Hexanone	ug/L	20	18	92	57 - 139	J
Dibromochloromethane	ug/L	20	20	100	74 - 126	J
Ethylene Dibromide (EDB)	ug/L	20	20	99	77 - 121	J
Tetrachloroethylene (PCE)	ug/L	20	19	94	74 - 129	J
Chlorobenzene	ug/L	20	19	97	82 - 118	J
Ethylbenzene	ug/L	20	20	102	79 - 121	J
Bromoform	ug/L	20	18	89	66 - 130	J
Styrene	ug/L	20	20	99	78 - 123	J
1,1,2,2-Tetrachloroethane	ug/L	20	19	96	71 - 121	J
Isopropylbenzene	ug/L	20	20	100	72 - 131	J
1,3-Dichlorobenzene	ug/L	20	20	98	80 - 119	J
1,4-Dichlorobenzene	ug/L	20	19	96	79 - 118	J
1,2-Dichlorobenzene	ug/L	20	19	97	80 - 119	J
1,2-Dibromo-3-Chloropropane	ug/L	20	20	98	62 - 128	J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Batch: MSVj/10371
Preparation Method: SW-846 5030B
Associated Lab IDs: J2411335001, J2411335002, J2411335003

Analysis Method: DoD SW-846 8260C

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2,4-Trichlorobenzene	ug/L	20	18	89	69 - 130	J
Xylene (Total)	ug/L	60	59	99	79 - 121	J
1,1,2-Trichlorotrifluoroethane	ug/L	20	21	104	70 - 136	J
Cyclohexane	ug/L	20	22	108	71 - 130	J
Methyl Acetate	ug/L	20	16	82	56 - 136	J
Methyl Cyclohexane	ug/L	20	20	101	72 - 132	J
1,4-Dioxane	ug/L	20	18	88	59 - 139	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	57.30	115	81 - 118	J
Bromofluorobenzene (S)	ug/L	50	50.70	101	85 - 114	J
Toluene-d8 (S)	ug/L	50	48.90	98	89 - 112	J

Matrix Spike (5428438); Matrix Spike Duplicate (5428439); Original (J2411311002); Parent Lab Sample (J2411311002)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	ug/L	20	17	86	32 - 152	20	99	13	20	J
Chloromethane	ug/L	20	16	82	50 - 139	20	101	20	20	J
Vinyl Chloride	ug/L	20	17	85	58 - 137	20	101	17	20	J
Bromomethane	ug/L	20	11	55	53 - 141	14	72	**28**	20	J
Chloroethane	ug/L	20	21	107	60 - 138	25	126	16	20	J
Trichlorofluoromethane	ug/L	20	19	96	65 - 141	22	111	15	20	J
Acetone	ug/L	20	24	119	39 - 160	29	145	20	20	J
1,1-Dichloroethylene	ug/L	20	19	97	71 - 131	23	114	15	20	J
Methylene Chloride	ug/L	20	21	104	74 - 124	25	123	17	20	J
Carbon Disulfide	ug/L	20	19	94	64 - 133	22	110	16	20	J
trans-1,2-Dichloroethylene	ug/L	20	19	97	75 - 124	23	114	17	20	J
Methyl tert-butyl Ether (MT	ug/L	20	19	93	71 - 124	22	111	18	20	J
1,1-Dichloroethane	ug/L	20	19	93	77 - 125	22	111	17	20	J
2-Butanone (MEK)	ug/L	20	18	89	56 - 143	22	111	**22**	20	J
cis-1,2-Dichloroethylene	ug/L	20	19	93	78 - 123	22	112	18	20	J
Chloroform	ug/L	20	19	97	79 - 124	23	114	16	20	J
1,2-Dichloroethane	ug/L	20	20	102	73 - 128	25	126	20	20	J
1,1,1-Trichloroethane	ug/L	20	18	90	74 - 131	21	105	15	20	J
Carbon Tetrachloride	ug/L	20	19	93	72 - 136	22	110	17	20	J

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FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Batch: MSVj/10371
Preparation Method: SW-846 5030B
Associated Lab IDs: J2411335001, J2411335002, J2411335003

Analysis Method: DoD SW-846 8260C

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzene	ug/L	20	20	100	79 - 120	23	114	13	20	J
1,2-Dichloropropane	ug/L	20	19	97	78 - 122	23	116	18	20	J
Trichloroethene	ug/L	20	22	98	79 - 123	25	111	11	20	J
Bromodichloromethane	ug/L	20	20	98	79 - 125	23	116	17	20	J
cis-1,3-Dichloropropene	ug/L	20	19	93	75 - 124	22	108	16	20	J
4-Methyl-2-pentanone (MIB	ug/L	20	19	93	67 - 130	23	117	**22**	20	J
trans-1,3-Dichloropropylene	ug/L	20	18	88	73 - 127	21	106	19	20	J
1,1,2-Trichloroethane	ug/L	20	18	92	80 - 119	22	112	20	20	J
Toluene	ug/L	20	19	93	80 - 121	21	105	12	20	J
2-Hexanone	ug/L	20	17	85	57 - 139	21	107	**23**	20	J
Dibromochloromethane	ug/L	20	18	89	74 - 126	22	109	20	20	J
Ethylene Dibromide (EDB)	ug/L	20	19	96	77 - 121	23	113	16	20	J
Tetrachloroethylene (PCE)	ug/L	20	17	86	74 - 129	19	94	9.50	20	J
Chlorobenzene	ug/L	20	18	90	82 - 118	21	103	14	20	J
Ethylbenzene	ug/L	20	18	92	79 - 121	21	105	13	20	J
Bromoform	ug/L	20	17	85	66 - 130	20	99	15	20	J
Styrene	ug/L	20	17	86	78 - 123	20	101	16	20	J
1,1,2,2-Tetrachloroethane	ug/L	20	19	95	71 - 121	23	115	19	20	J
Isopropylbenzene	ug/L	20	18	91	72 - 131	21	107	16	20	J
1,3-Dichlorobenzene	ug/L	20	18	90	80 - 119	21	104	15	20	J
1,4-Dichlorobenzene	ug/L	20	18	91	79 - 118	20	102	12	20	J
1,2-Dichlorobenzene	ug/L	20	18	91	80 - 119	21	106	15	20	J
1,2-Dibromo-3-Chloropropa	ug/L	20	19	95	62 - 128	25	124	**27**	20	J
1,2,4-Trichlorobenzene	ug/L	20	15	77	69 - 130	19	94	20	20	J
Xylene (Total)	ug/L	60	54	91	79 - 121	62	104	13	20	J
1,1,2-Trichlorotrifluoroethan	ug/L	20	18	89	70 - 136	20	102	14	20	J
Cyclohexane	ug/L	20	19	96	71 - 130	22	111	14	20	J
Methyl Acetate	ug/L	20	10	**51**	56 - 136	16	78	**42**	20	J
Methyl Cyclohexane	ug/L	20	18	92	72 - 132	20	102	10	20	J

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	51.70	103	81 - 118	56.50	113	8.80		J

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Phone: (904) 363-9350
Fax: (904) 363-9354

FINAL

Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Batch: MSVj/10371
Preparation Method: SW-846 5030B
Associated Lab IDs: J2411335001, J2411335002, J2411335003

Analysis Method: DoD SW-846 8260C

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Bromofluorobenzene (S)	ug/L	50	51.80	104	85 - 114	52.80	106	1.90		J
Toluene-d8 (S)	ug/L	50	50.20	100	89 - 112	50.20	100	0		J

QC Result Comments

Method Blank - 5428436 - Bromomethane

B|Indicates that the analyte was detected in the method blank. The recorded result is associated with a contaminated blank.

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

Lab Control Sample - 5428437 - Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

B|Indicates that the analyte was detected in the method blank. The recorded result is associated with a contaminated blank.

Matrix Spike - 5428438 - Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

B|Indicates that the analyte was detected in the method blank. The recorded result is associated with a contaminated blank.

Matrix Spike - 5428438 - Methyl Acetate

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5428439 - 1,2-Dibromo-3-Chloropropane

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5428439 - 2-Butanone (MEK)

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5428439 - 2-Hexanone

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5428439 - 4-Methyl-2-pentanone (MIBK)

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5428439 - Bromomethane

Q|One or more of the quality control criteria failed (e.g., LCS recovery, surrogate spike recovery, or CCV recovery).

B|Indicates that the analyte was detected in the method blank. The recorded result is associated with a contaminated blank.

*|MS/MSD recovery and/or RPD is out of criteria

Matrix Spike Duplicate - 5428439 - Methyl Acetate

*|MS/MSD recovery and/or RPD is out of criteria

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (904) 363-9350
Fax: (904) 363-9354

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Workorder: Bechara Lands/Rio Puerto Nuevo (J2411335)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
CVAj/2528 - DoD SW-846 7470A			
J2411335001	TMW-3	DGMj/8744	SW-846 7470A
J2411335002	TMW-2	DGMj/8744	SW-846 7470A
J2411335003	TMW-6	DGMj/8744	SW-846 7470A
GCSj/6773 - DOD SW-846 8081B			
J2411335001	TMW-3	EXTj/9699	SW-846 3510C
J2411335002	TMW-2	EXTj/9699	SW-846 3510C
J2411335003	TMW-6	EXTj/9699	SW-846 3510C
GCSj/6786 - DoD SW-846 8082A			
J2411335001	TMW-3	EXTj/9702	SW-846 3510C
J2411335002	TMW-2	EXTj/9702	SW-846 3510C
J2411335003	TMW-6	EXTj/9702	SW-846 3510C
GCSj/6798 - DoD SW-846 8141B			
J2411335001	TMW-3	EXTj/9701	SW-846 3510C
J2411335002	TMW-2	EXTj/9701	SW-846 3510C
J2411335003	TMW-6	EXTj/9701	SW-846 3510C
ICMj/4582 - DoD SW-846 6020A			
J2411335001	TMW-3	DGMj/8804	SW-846 3010A
J2411335002	TMW-2	DGMj/8804	SW-846 3010A
J2411335003	TMW-6	DGMj/8804	SW-846 3010A
MSSj/4179 - DoD SW-846 8270D			
J2411335001	TMW-3	EXTj/9688	SW-846 3510C
J2411335002	TMW-2	EXTj/9688	SW-846 3510C
J2411335003	TMW-6	EXTj/9688	SW-846 3510C
MSSj/4208 - DOD SW-846 8270D SIM			
J2411335001	TMW-3	EXTj/9694	SW-846 3510C
J2411335002	TMW-2	EXTj/9694	SW-846 3510C
J2411335003	TMW-6	EXTj/9694	SW-846 3510C
MSVj/10371 - DoD SW-846 8260C			
J2411335001	TMW-3	MSVj/10370	SW-846 5030B
J2411335002	TMW-2	MSVj/10370	SW-846 5030B
J2411335003	TMW-6	MSVj/10370	SW-846 5030B

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☐ **Fort Myers:** 13100 Westlinks Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: E84492
☑ **Jacksonville:** 6681 Southpoint Pkwy., FL 32216 • 904.363.9350 • Lab ID: E82574
☐ **Tallahassee:** 2639 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: E811095
☐ Gai
☐ Mir
☐ Tan

* J 2 4 1 1 3 3 5 *

Client Name:	Aerostar SES LLC	Project Name:	Rio Puerto Nuevo DMMA
Address:	3550 St Johns Bluff Rd South	Project Number:	117.24.1078.0001
	Jacksonville, FL 32224	PO Number:	
Phone:	904-565-2820	FDEP Facility No:	
FAX:		FDEP Facility Addr:	
Contact:	Rick Levin		
Sampled By:	Rick Levin / Ryan Reynolds	Special Instructions:	
Turn Around Time:	(Standard) Rush		
AEL Profile #:	78092	ADaPT EQuIS Other	

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	BOTTLE SIZE & TYPE	40 mL Vials	1L Amber	1L Amber	1L Amb	500 mL Plastic					LABORATORY I.D. NUMBER
							ANALYSIS REQUIRED	8260 VOCs + 1,4 Dioxane	8270 TCL	8270Sim 1,4-Dioxane	8141/8081/8082	PP Metals (6020/7470)					
							Preservation	HCL	Ice	Ice	Ice	HNO3					
							Field-Filtered?										
TMW-3		G	8-1-24	1110	GW	10		X	X	X	X	X					001
TMW-2		G	8-1-24	1240	GW	10		X	X	X	X	X					002
TMW-6		G	8-1-24	1415	GW	10		X	X	X	X	X					003

Matrix Code: **WW** = wastewater **SW** = surface water **GW** = ground water **DW** = drinking water **O** = oil **A** = air **SO** = soil **SL** = sludge **Preservation Code:** I = ice H=(HCl) S = (H_2SO_4) N = (HNO_3) T = (Sodium Thiosulfate)

Received on Ice ☑ Yes ☐ No ☑ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temp. when received (observed) — °C Temp. when received (corrected) 3.7 °C

DCN: AD-D051web Form last revised 08/07/2019 Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A

	Relinquished by:	Date	Time	Received by:	Date	Time
1		8-1-24	1000	FEDEX	8-1-24	1000
2	FEDEX	8-3-24	0900	T Campbell	8-3-24	0900
3						
4						

FOR DRINKING WATER USE:
(When PWS Information not otherwise supplied) PWS ID:
Contact Person:
Supplier of Water:
Site-Address:

Advanced Environmental Labs Inc

Client: Aerostar SES | Project name: Rio Puerto Nuevo DMMA

Date/Time Rcvd: 8-3-24 0900 | Log-In request number: J2411335

Received by: TC | Completed by: SI

Cooler/Shipping Information:

Courier: ☐ AEL ☐ Client ☐ UPS ☐ Blue Streak ☑ FedEx ☐ AES ☐ ASAP ☐ Other (describe): _____

Type: ☑ Cooler ☐ Box ☐ Other (describe) _____

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

Cooler ID	1-3				
Temp (°C)	3.7				
Temp taken from	☑ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler
Temp measured with	☐ IR gun S/N 9333779 ☑ Thermometer (enter ID): 59A	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):

Other Information:

Any discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact?	✓		
2. Were custody papers properly included with samples?	✓		
3. Were custody papers properly filled out (ink, signed, match labels)?	✓		
4. Did all bottles arrive in good condition (unbroken)?	✓		
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	✓		
6. Did the sample labels agree with the chain of custody?	✓		
7. Were correct bottles used for the tests indicated?	✓		
8. Were proper sample preservation techniques indicated on the label?	✓		
9. Were samples received within holding times?	✓		
10. Were all VOA vials free of the presence of air bubbles?	✓		
11. Have all Soil VOA Vials and Encores been placed in a freezer within 48 hours of collection?	✓		
12. Were samples in direct contact with wet ice? If "No," check one: ☐ NO ICE ☐ BLUE ICE	✓		
13. Was the cooler temperature less than 6°C?	✓		
14. Where pH preservation is required, are sample pHs checked and any anomalies recorded by Sample control? Are all <2 or >10? Note: VOA samples are checked by laboratory analysts.	✓		
15. Was sufficient sample volume provided to perform all tests?	✓		
16. If for Bacteriological testing, were containers supplied by AEL? (See QA officer if answer is no)			✓
17. Were all sample containers provided by AEL? (Other than Bacteriological)	✓		
18. Were samples accepted into the laboratory?	✓		
19. When necessary to split samples into other bottles, is it noted in the comments?	✓		
20. Where Encores received and if so, how many?		✓	

Comments: (Note all sample(s) and container (s)" with a "No" checklist response in this comment section)

DCN: AD-D048
Eff date 2/3/10, Last rev 2/3/21

Advanced Environmental Laboratories, Inc.

Work Order: J2411335
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 4208

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DOD SW-846 8270D SIM

Preparation: SW-846 3510C

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: The lower control criteria was exceeded for the recovery of surrogate Nitrobenzene-d5 in sample J2411335003. As recorded in the extraction logbook, the sample formed high emulsions in the solvent layer during the extraction. Such emulsions are known to negatively affect surrogate yields. The affected surrogate was qualified to indicate matrix interference.

Spikes All acceptance criteria were met.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411335
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 2528

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation:	All holding times were met.
Analysis:	All holding times were met.

III. Method

Analysis:	DoD SW-846 7470A
Preparation:	SW-846 7470A

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration:	All acceptance criteria were met.
Blanks:	All acceptance criteria were met.
Surrogates:	All acceptance criteria were met.
Spikes	All acceptance criteria were met.
Internal Standard:	All acceptance criteria were met.
Samples:	All acceptance criteria were met.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411335
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 4582

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 6020A

Preparation: SW-846 3010A

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes All acceptance criteria were met.

Internal Standard: Due to non-target background analytes, the proper quantitation of the internal standard in J2411335001 and J2411335003 was obstructed. In order to return the internal standard to within acceptance limits, this sample was analyzed at a dilution. The internal standard recovery of Yttrium in the analysis of J2411335001 in analytical sequences 240815R2 was outside control criteria. The internal standard failure in question is not associated with target analytes. The data is flagged accordingly. The internal standard recovery of Bismuth in the analysis of ICAL5 in analytical sequences 240816R2 was outside control criteria. The internal standard failure in question is not associated with target analytes. The data is flagged accordingly.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411335
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6773

I. Receipt

No Exceptions were encountered.

II. Holding Times

All holding times were met.

Preparation: All holding times were met.

Analysis:

III. Method

DOD SW-846 8081B

Analysis: SW-846 3510C

Preparation:

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: The upper control criterion was exceeded for the following surrogates in the Continuing Calibration Verification (CCV): Tetrachloro-m-xylene and Decachlorobiphenyl. Since the apparent problem equates to a potential high bias, the surrogates were flagged accordingly. The data was qualified accordingly. The surrogate Decachlorobiphenyl in the Method Blank (MB) has exceeded the upper criteria. The data quality was not significantly impacted as there were no target analytes present in client samples. The data was qualified accordingly.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes All acceptance criteria were met.

Internal Standard: All acceptance criteria were met.

Samples: The samples J2411335003, J2411335002, 5423581MS were diluted prior to instrumental analysis. The extracts were highly colored and viscous which indicated the need to perform a dilution prior to injection into the instrument.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411335
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6786

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8082A

Preparation: SW-846 3510C

IV. Preparation

All acceptance criteria were met.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates:

The upper control criterion was exceeded for the following surrogates in the Method Blank (MB): Decachlorobiphenyl and Tetrachloro-m-xylene. Target analytes associated with the surrogate in question were not detected in the samples. The error associated with an elevated recovery equates to a high bias. The quality of the sample data is not significantly affected. The data is flagged accordingly.

The control criteria for the matrix spike and matrix spike duplicate for sample J2411335002 are not applicable. The analysis of the sample(s) required a dilution, which results in a spike concentrations below the Practical Quantitation Limit (PQL). The LCS recoveries are acceptable indicating the batch is in control.

Spikes

Internal Standard:	All acceptance criteria were met.
Samples:	The samples J2411335002, associated Matrix Spike (MS), and J2411335003 were diluted prior to instrumental analysis. The extracts were highly colored and viscous which indicated the need to perform a dilution prior to injection into the instrument.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411335
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 4179

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All acceptance criteria were met.

III. Method

DoD SW-846 8270D

Analysis: SW-846 3510C

Preparation:

IV. Preparation

V. Analysis

Calibration: The upper control criterion was exceeded for 4,6-Dinitro-2-methylphenol, Indeno (1,2,3-cd) pyrene, and Dibenzo[a,h]anthracene in Continuing Calibration Verification (CCV) standards for analytical batch 4179, indicating increased sensitivity. The client samples reported in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.

All acceptance criteria were met.

Blanks:

Surrogates: All acceptance criteria were met.

Spikes

Advanced Environmental Laboratories, Inc.

Internal Standard:	All acceptance criteria were met.
Samples:	All acceptance criteria were met.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411335
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 10371

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8260C

Preparation: SW-846 5030B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: The upper control criterion was exceeded for Bromomethane in Continuing Calibration Verification (CCV) and Initial Calibration Verification (ICV) standards for analytical batch 10371, indicating increased sensitivity. The client samples reported in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. The data were qualified accordingly.

Blanks: Method Blank 5428436 (MB) contained a low level of Bromomethane above the Method Detection Limit (MDL), but below the Quantitation Limit (PQL and/or LOQ). The associated samples did not contain the analyte in question above the Method Detection Limit (MDL); therefore, the presence of Bromomethane in the MB had no adverse effects on the data.

Surrogates: The upper control criterion was exceeded for the following surrogate in J2411335003: 1,2-Dichloroethane-d4. Target analytes associated with the surrogate in question were not detected in the samples. The error associated with an elevated recovery equates to a high bias. The quality of the sample data is not significantly affected. The data were qualified accordingly.

Spikes The relative percent difference (RPD) for several target analytes in the replicate matrix spike analyses was outside control criteria. Failing RPD indicates inconsistency in the parent sample matrix. All spike recoveries in the MS, MSD and associated LCS were within acceptable limits, indicating the analytical batch was in control. The data were qualified accordingly.

Advanced Environmental Laboratories, Inc.

Internal Standard:	All acceptance criteria were met.
Samples:	J2411335001, -002, and -003 required a dilution due to the presence of a foamy sample matrix (surfactants). The dilution was necessary to prevent foam over during the purge cycle, resulting in instrument damage.
Other:	All acceptance criteria were met.
Serial Dilution:	All acceptance criteria were met.
Duplicates:	All acceptance criteria were met.

Advanced Environmental Laboratories, Inc.

Work Order: J2411335
Client: Aerostar SES LLC (ASL)
Project ID: Bechara Lands/Rio Puerto Nuevo

Batch Number: 6798

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: DoD SW-846 8141B

Preparation: SW-846 3510C

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes: The matrix spike (MS) recoveries of multiple analytes for J2411335003 were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. The affected sample is qualified to indicate matrix interference.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

APPENDIX D
Photographic Documentation (on CD)

Sediment Characterization, Testing and Analysis of the Rio Piedras River Channel

MPRSA Section 103 Testing

Rio Puerto Nuevo Flood Control Project San Juan, Puerto Rico

Contract No.: W912EP-20-D-0001
Task Order: W912EP-20-F-0298

Submitted to:

U.S. Army Corps of Engineers
Jacksonville District
701 San Marco Boulevard
Jacksonville, Florida 32207-8175

Prepared for:

Gannett Fleming, Inc.
10161 Centurion Parkway North, Suite 300
Jacksonville, Florida 32256

Prepared by:

ANAMAR Environmental Consulting, Inc.
2106 NW 67th Place, Suite 5
Gainesville, FL 32653

ANAMAR
Environmental Consulting, Inc.

June 2021

TABLE OF CONTENTS

EXECUTIVE SUMMARY ES-1

1 INTRODUCTION 1

1.1 Project Area Description 1

1.2 Description of the Testing Approach 3

1.2.1 Evaluation of Dredge Materials for Disposal 3

1.2.2 Objectives and Deliverables 3

2 MATERIALS AND METHODS 7

2.1 Project Design and Rationale 7

2.2 Sample Collection Techniques 10

2.2.1 Project Field Effort 10

2.2.2 Site Positioning 10

2.2.3 Decontamination Procedures 11

2.2.4 Water Column Measurements 11

2.2.5 Sediment Sampling with Vibracore 12

2.2.6 Sediment Sampling with Grab Sampler 13

2.2.7 Sample Processing, Shipping, and Custody 14

2.3 Physical and Chemical Analytical Procedures 14

2.3.1 Physical Procedures 14

2.3.2 Chemical Analytical Procedures 15

2.4 Bioaccumulation and Toxicology Procedures 17

2.5 Tissue Analysis Recommendations 19

2.6 Applicable Technical Quality Standards 19

2.6.1 Sediment Chemistry 19

2.6.2 Elutriate and Water Chemistry 19

2.6.3 Tissue Chemistry 19

2.6.4 Toxicology 20

2.7 Reporting Limits 20

3 RESULTS AND DISCUSSION 21

3.1 Field Data and In Situ Measurements 21

3.1.1 Weather Conditions 21

3.1.2 Water Column Data 21

3.1.3 Vibracore and Grab Sampling Data 21

3.2 Physical Testing Data 24

3.3 Sediment Chemistry 29

3.3.1 Total Solids and TOC 29

3.3.2 Metals 29

3.3.3 Pesticides 30

3.3.4 PAHs 32

3.3.5 PCBs 32

3.4 Elutriate and Water Chemistry 34

3.4.1 Metals 34

3.4.2 Pesticides 34

3.4.3 PCBs 34

3.5 Benthic Bioassays 34

3.5.1 *Ampelisca abdita* 34

3.5.2 *Americamysis bahia* 35
3.6 Water Column Bioassays 36
3.6.1 *Americamysis bahia* 36
3.6.2 *Menidia beryllina* 37
3.6.3 *Mytilus galloprovincialis* 37
3.7 Bioaccumulation Potential Tests 39
3.8 Toxicology Summary 40
3.9 Tissue Chemistry 40
3.9.1 Lipids and Total Solids in Tissue 40
3.9.2 Metals in Tissue 41
3.9.3 Pesticides in Tissue 42
3.9.4 PAHs in Tissue 43
3.9.5 PCBs in Tissue 43
4 QUALITY ASSURANCE/QUALITY CONTROL 46
4.1 Coordination with EPA 46
4.1.1 Deviations from Sampling and Analysis Plan 46
4.1.2 Toxicology – Ammonia and Salinity Adjustments 47
4.2 Sample Receipt 48
4.2.1 Initial Cold Storage Shipment 48
4.2.2 Second Cold Storage Shipment 48
4.2.3 ALS and Terracon 48
4.2.4 Tissue Samples 49
4.3 Physical Analysis 49
4.4 Sediment Chemistry 49
4.4.1 Trace Metals 49
4.4.2 Pesticides and PCB Congeners 49
4.4.3 Polycyclic Aromatic Hydrocarbons by EPA Method 8270D 49
4.5 Site Water and Elutriate Chemistry 50
4.5.1 Trace Metals 50
4.5.2 Pesticides and PCB Congeners 50
4.6 Tissue Chemistry 50
4.6.1 Trace Metals 50
4.6.2 Pesticides and PCB Congeners 50
4.6.3 Polycyclic Aromatic Hydrocarbons by EPA Method 8270 51
4.7 Toxicology 51
4.7.1 Benthic Toxicology Testing 52
4.7.2 Water Column Toxicology Testing 53
4.7.3 Bioaccumulation Tests 54
5 ADDAMS MODEL 55
6 REFERENCES 64

LIST OF EXHIBITS

Exhibit 1-1. Overview of Project Dredging Units/Reaches and Sampling Locations 2
Exhibit 1-2. Principal Data Users and Decision Makers Associated with This Project 4
Exhibit 1-3. Prime Contractors and Subcontractors and Responsibilities Associated with This Report 5
Exhibit 2-1. Summary of Sampling Plan Including Dredging Units, Target Elevations, and Compositing Scheme 8
Exhibit 2-2. Summary of Field Sampling Materials and Methods 9
Exhibit 2-3. Analytical Requirements Per Sample Collected 9
Exhibit 2-4. Field Sampling Activities 10
Exhibit 2-5. Summary of Methods and Equipment Used during Chemical Analysis of Sediment 16
Exhibit 2-6. Biological Testing Performed for Dredge Material Evaluation 17
Exhibit 2-7. Biological Testing Objectives by Sample 18
Exhibit 3-1. Grain Size Distribution for Reach 1 25
Exhibit 3-2. Grain Size Distribution for Reach 2 25
Exhibit 3-3. Grain Size Distribution for Reach 3 26
Exhibit 3-4. Grain Size Distribution for the Bridge Cut 26
Exhibit 3-5. Grain Size Distribution for Reach 4 27
Exhibit 3-6. Grain Size Distribution for Reach 5 27
Exhibit 3-7. Grain Size Distribution for All Composite Samples 28
Exhibit 3-8. Grain Size Distribution from Subsamples of Clay/Native Material 28
Exhibit 3-9. Summary of Analytical Results for Metals in Sediment Composites and Clay/Native Material Subsamples 31
Exhibit 3-10. Summary of Analytical Results for PAHs in Sediment Composites and Clay/Native Material Subsamples 33
Exhibit 3-11. Summary of Survival Data for the 10-Day Benthic Test with *Ampelisca abdita* 35
Exhibit 3-12. Summary of Survival Data for the 10-Day Benthic Test with *Americamysis bahia* 35
Exhibit 3-13. Summary of Survival Data for Water Column Tests Using *Americamysis bahia* 36
Exhibit 3-14. Summary of Survival Data for Water Column Tests Using *Menidia beryllina* 37
Exhibit 3-15. *Mytilus galloprovincialis* Control Acceptability Results 38
Exhibit 3-16. Mean Combined Normal Development Summary for *M. galloprovincialis* 38
Exhibit 3-17. Proportion Survival Summary for *Mytilus galloprovincialis* 39
Exhibit 3-18. Summary of Survival Data for Bioaccumulation Potential Tests Using *Macoma nasuta* and *Alitta virens* 39
Exhibit 3-19. *Macoma nasuta* Tissue: Summary of Mean Wet Weight Metals Results 41
Exhibit 3-20. *Alitta virens* Tissue: Summary of Mean Wet Weight Metals Results 42
Exhibit 3-21. *Macoma nasuta* Tissue: Summary of Mean Wet Weight PCBs Results That Were Statistically Significantly Different than Those of the Reference 44
Exhibit 3-22. *Alitta virens* Tissue: Summary of Mean Wet Weight PCBs Results That Were Statistically Significantly Different than Those of the Reference 45
Exhibit 4-1. Summary of Changes to Sampling Plan 46
Exhibit 4-2. Pretest Sediment Porewater Ammonia and Water Quality Measurements. 47
Exhibit 5-1. Simulation Type: Descent, Collapse, and Diffusion 55
Exhibit 5-2. Site Description 56

Exhibit 5-3. Current Velocity Data 56
Exhibit 5-4. Material Data 56
Exhibit 5-5. Output Options 56
Exhibit 5-6. Disposal Operation Data 57
Exhibit 5-7. Volumetric Fractions and Toxicity Criteria of Dredge Material 57
Exhibit 5-8. Four-Hour Criteria and Disposal Site Boundary Criteria after Initial Mixing 58
Exhibit 5-9. Aerial Map of San Juan Harbor ODMDS with Disposal Target Shown 62
Exhibit 5-10. Computer-Generated Map of San Juan Harbor ODMDS 63

MAPS

Map 1 Rio Piedras River Overview and Reference Site

Map 2 Rio Piedras River Reach 1 and Reach 2 Sampling Locations

Map 3 Rio Piedras River Reach 3 and Bridge Cut Sampling Locations

Map 4 Rio Piedras River Reach 4 and Reach 5 Sampling Locations

LIST OF TABLES

Table 1 Vibracore and Grab Sample Summary
Table 2 Reference and Site Water Sample Summary Including Water Column Measurements
Table 3 Results of Physical Analyses for Sediment Subsamples
Table 4 Results of Physical Analyses for Clay and Composited Sediment Sample
Table 5 Analytical Results for Total Solids and TOCs in Sediment Subsamples
Table 6 Analytical Results for Total Solids and TOCs in Clay and Composited Sediment Samples
Table 7 Analytical Results for Dry Weight Metals in Clay and Composited Sediment Samples
Table 8 Analytical Results for Dry Weight Pesticides in Clay and Composited Sediment Samples
Table 9 Analytical Results for Dry Weight PAHs in Clay and Composited Sediment Samples
Table 10 Analytical Results for Dry Weight PCBs in Clay and Composited Sediment Samples
Table 11 Analytical Results for Metals in Site Water and Elutriates Generated from Composited Sediment Samples
Table 12 Analytical Results for Pesticides in Site Water and Elutriates Generated from Composited Sediment Samples
Table 13 Analytical Results for PCBs in Site Water and Elutriates Generated from Composited Sediment Samples
Table 14 Analytical Results for Wet Weight Lipids and Total Solids in *Macoma nasuta* Tissues
Table 15 Analytical Results for Wet Weight Lipids and Total Solids in *Alitta virens* Tissues
Table 16 Analytical Results for Wet Weight Metals in *Macoma nasuta* Tissues
Table 17 Analytical Results for Wet Weight Metals in *Alitta virens* Tissues
Table 18 Analytical Results for Dry Weight Metals in *Macoma nasuta* Tissues
Table 19 Analytical Results for Dry Weight Metals in *Alitta virens* Tissues
Table 20 Analytical Results for Wet Weight Pesticides in *Macoma nasuta* Tissues
Table 21 Analytical Results for Wet Weight Pesticides in *Alitta virens* Tissues

Table 22 Analytical Results for Dry Weight Pesticides in *Macoma nasuta* Tissues
Table 23 Analytical Results for Dry Weight Pesticides in *Alitta virens* Tissues
Table 24 Analytical Results for Wet Weight PAHs in *Macoma nasuta* Tissues
Table 25 Analytical Results for Wet Weight PAHs in *Alitta virens* Tissues
Table 26 Analytical Results for Dry Weight PAHs in *Macoma nasuta* Tissues
Table 27 Analytical Results for Dry Weight PAHs in *Alitta virens* Tissues
Table 28 Analytical Results for Wet Weight PCBs in *Macoma nasuta* Tissues
Table 29 Analytical Results for Wet Weight PCBs in *Alitta virens* Tissues
Table 30 Analytical Results for Dry Weight PCBs in *Macoma nasuta* Tissues
Table 31 Analytical Results for Dry Weight PCBs in *Alitta virens* Tissues

APPENDICES

***NOTE**: Appendices (with the exception of Appendix G) are provided in electronic format only and may be found on the accompanying disc.*

Appendix A SAP/QAPP
Appendix B Field Paperwork
Appendix C Sediment Physical Lab Report
Appendix D Chemistry Lab Reports (Sediment, Elutriate/Site Water, and Tissues)
Appendix E Chemical Quality Assurance Report
Appendix F Statistical Calculations for Tissue Results
Appendix G Toxicology Lab Report
Appendix H ADDAMS Model Files
Appendix I Photos of Samples
Appendix J Pertinent Correspondence

ACRONYMS, ABBREVIATIONS, AND INITIALISMS

ADDAMS	Automated Dredging and Disposal Alternatives Modeling System
ALS	ALS Global
ARI	Analytical Resources, Inc.
CCV	continuing calibration verification
CETIS	Comprehensive Environmental Toxicity Information System
CFR	Code of Federal Regulations
CMC	criteria maximum concentration (synonymous with 'acute')
CQAR	Chemical Quality Assurance Report
DQCR	Daily Quality Control Report
EC_{50}	effective concentration affecting 50% of a population
EPA/USEPA	U.S. Environmental Protection Agency
ERDC	U.S. Army Engineer Research and Development Center (ERDC)
ERL	effects range-low
FDA	U.S. Food and Drug Administration
GC/MS	gas chromatography/mass spectrometry
GC-ECD	gas chromatography-electron capture detection
HMW	high molecular weight
HSP	Health and Safety Plan
ICP/MS	inductively coupled plasma/mass spectrometry
ITM	Inland Testing Manual (EPA and USACE 1998)
LC_{50}	lethal concentration 50%
LCS	laboratory control sample
LMW	low molecular weight
LPC	limiting permissible concentration
MDL	method detection limit
mg/L	milligrams per liter
MPRSA	Marine Protection, Research, and Sanctuaries Act
MRL	method reporting limit
NELAC	National Environmental Laboratory Accreditation Conference
NOAA	National Oceanic and Atmospheric Administration
NOEC	no-observed-effect concentration
ODMDS	ocean dredged material disposal site
PAHs	polycyclic aromatic hydrocarbons
PCBs	polychlorinated biphenyls
ppt	parts per thousand
QA	quality assurance
QAPP	Quality Assurance Project Plan
QC	quality control
RPD	relative percent difference
RPN	Rio Puerto Nuevo
RTK	real-time kinematic (data)
RTM	*(NY Army Corps of Engineers District) Regional Testing Manual*
SAP/QAPP	Sampling and Analysis Plan/Quality Assurance Project Plan
SDS	sodium dodecyl sulfate
SOP	standard operating procedure
SRM	standard reference material
TEL	threshold effects level
TOC	total organic carbon
USACE	U.S. Army Corps of Engineers
USCS	U.S. Soil Classification Systems

EXECUTIVE SUMMARY

This report details the field sampling, analysis, and results of MPRSA Section 103 sediment testing and analysis in support of the Rio Piedras River Channel dredging. Site visit reconnaissance, field sampling and compositing operations, and shipping preparations took place on October 12 through November 2, 2020.

Areas proposed to be dredged have been divided into six reaches or dredging units. The rationale for the sampling approach is summarized in Subsection 2.1. All samples within each dredging unit were collected either by vibracore to project depth or refusal or grab sampler. Samples within each dredging unit were composited and homogenized to create one composite per dredging unit. Analysis of the composited sediment consisted of three analytical tiers: physical, chemical, and toxicological/bioaccumulation.

Sediment Physical Results

Grain size distribution and total solids were analyzed in project composite samples, subsamples, individual clay/native material samples, and the reference sample. The following parameters were also analyzed for the composite samples: bulk density, specific gravity, and Atterberg limits.

Reach 1
RPR1-COMP was composed of sand (61.6%) with 33.0% silt and clay and trace (5.4%) gravel.

Reach 2
RPR2-COMP was composed of sand (66.9%) with 30.4% silt and clay, and trace (2.7%) gravel.

Reach 3
RPR3-COMP was composed of sand (56.2%) with 22.3% silt and clay and 21.5% gravel.

Bridge Cut
RBC1-COMP was composed of sand (48.2%) with 36.1% silt and clay and 15.7% gravel.

Reach 4
RPR4-COMP was composed of sand (49.0%) with 36.3% gravel and 14.7% silt and clay.

Reach 5
RPR5-COMP was composed of sand (51.0%) with 39.7% gravel and 9.3% silt and clay.

All Composite Samples
All composite samples from the entire project area were composed primarily of sand ranging from 48.2% to 66.9%. Gravel ranged from trace levels in RPR1-COMP and RPR2-COMP (2.7% to 5.4%) to a maximum of 39.7% in RPR5-COMP. The general trend is that the percent of sand/gravel increased from downstream (south) to upstream (north).

Individual Clay/Native Material Samples
Composite samples of stiff clay or material representative of native/new work material were collected at five of the six dredging units. Percent clay/ silt ranged from 49.7% to 84.5%.

Reference
SJH20-REF was primarily composed of silt and clay (90.1%) with 9.1% sand.

Sediment Chemistry

Sediment composite samples from each dredging unit and the reference were analyzed for TOC, total solids, metals, pesticides, PAHs, and PCBs. Comparison of sediment chemistry results were made to the TEL and ERL, where available.

Metals

All nine metals analyzed were detected in concentrations above the MDL in all of the project composite samples. With the exception of cadmium, all other metals analyzed were also detected in concentrations above the MDL in the reference and the individual clay/native material subsamples. Concentrations of metals were below applicable TEL and ERL thresholds, with the exceptions summarized below.

Composite Samples

In all six composite samples, copper was detected in concentrations that exceeded the TEL and ERL. RPR2-COMP had a concentration of lead that exceeded the TEL and ERL. RPR1-COMP, RPR2-COMP, and RPR5-COMP had concentrations of nickel that exceeded the TEL.

Clay/Native Material Samples

RBC1-Clay-COMP and RPR5-Clay-COMP had concentrations of arsenic that exceeded the TEL and ERL. In all five clay composite samples, copper was detected in concentrations that exceeded the TEL and ERL. RPR2-Clay-COMP and RPR5-Clay-COMP had concentrations of nickel that exceeded the TEL and (or) ERL.

Reference

SJH20-REF had concentrations of arsenic, copper, and nickel that exceeded the TEL and ERL.

Pesticides

Three of the 15 pesticides tested [p,p' (4,4')-DDD; o,p' (2,4')-DDE; and p,p' (4,4')-DDE] were detected above the MDL (J-qualified or greater) in one or more samples. Concentrations of pesticides were below applicable TEL and ERL thresholds, with the exceptions summarized below.

Composite Samples

RBC1-COMP had a concentration of p,p' (4,4')-DDD that exceeded the ERL and TEL. RPR1-COMP, RPR2-COMP, and RBC1-COMP had concentrations of p,p' (4,4')-DDE that exceeded the ERL and TEL.

Clay/Native Material Samples

No pesticides were detected in concentrations greater than TEL or ERL in any sample.

Reference

None of the pesticides were detected in concentrations greater than the MDL in SJH20-REF; all results were U-qualified.

PAHs

All 16 PAH analytes tested were detected above the MDL (J-qualified or greater) in one or more composites or subsamples. PAH concentrations were below applicable TEL and ERL thresholds, with the exceptions summarized below.

Composite Samples
RPR1-COMP and RPR5-COMP had concentrations of benzo(a)anthracene, dibenzo(a,h) anthracene, fluoranthene, and total HMW PAHs that exceeded the TEL.

Clay/Native Material Samples
None of the results for the clay samples exceeded the TEL or ERL.

Reference
All PAH analytes tested were detected in concentrations greater than the MDL (J-qualified) in SJH20-REF. None of the results exceeded the TEL or ERL.

PCBs

Composites RPR1-COMP and RBC1-COMP had 4 to 12 PCB congeners each that were detected in concentrations above the MDL. In all of the other samples, none of the 22 PCB congeners were detected in concentrations greater than the MDL (U-qualified). All composites, clay/native material samples, and reference sample had total EPA Region 2 PCB concentrations that exceeded the applicable TEL and (or) ERL.

Elutriate and Water Chemistry

Metals, pesticides, and PCBs were analyzed in the site water (PRPA-SW), reference water (SJH20-REF-SW), and elutriates generated from the project composites. Comparison of elutriate and site water chemistry results were made to the CMC, where available.

Metals
None of the nine metals analyzed were detected in concentrations greater than the CMC in any elutriate or water sample.

Pesticides
None of the 15 pesticides analyzed were detected in concentrations greater than the CMC or MDL in any elutriate or water sample (U-qualified).

PCBs
None of the 22 PCB congeners were detected in concentrations above the MDL in any elutriate or water sample (U-qualified). There are no CMCs for the PCB congeners tested.

Toxicology

Benthic Bioassays
Significant benthic toxicity, relative to the reference treatment, was observed in the *A. abdita* amphipod test for test samples RPR1-COMP, RPR3-COMP, and RBC1-COMP. No significant toxicity was observed in the *A. bahia* mysid test. Mean percent survival in the project composite samples was within the specific test criterion (20% of the reference: amphipod; 10% of the reference: mysid), indicating that the test treatments met the LPC for disposal for these tests.

Water Column Bioassay
No statistically significant toxicity was observed in the 100% elutriate concentrations for the *A. bahia* and *M. beryllina* tests. Statistically significant toxicity was observed in the *M. galloprovincialis* test for samples RPR4-COMP, RPR5-COMP, and RBC1-COMP; however, only RPR5-COMP had an EC_{50} of <100%, with an EC_{50} of 34.9% for mean normal survivorship.

Bioaccumulation Potential
No significant toxicity was observed in the bioaccumulation tests. Survival in the reference and test treatment was ≥93.6%, suggesting that adequate tissue mass was available for chemical analyses.

Tissue Chemistry

Wet weight tissue chemistry results for the six project samples were compared to the reference (SJH20-REF) and to applicable FDA action levels from FDA (2001, 2011).

Metals

M. nasuta – All nine metals tested were detected in concentrations greater than the MRL in the six project samples and the reference. Mean concentrations of arsenic, lead, silver, and zinc in some of the project samples, as summarized below, were statistically significantly greater than those of the reference. None of the mean concentrations of metals exceeded applicable FDA action levels.

- RPR1-COMP – copper and lead
- RPR2-COMP – lead
- RBC1-COMP – arsenic, silver, and zinc
- RPR5-COMP – lead

A. virens – All nine metals tested were detected in concentrations greater than the MRL in the six project samples and the reference. Mean concentrations of arsenic, cadmium, copper, mercury, nickel, and silver in some of the project samples, as summarized below, were statistically significantly greater than those of the reference. None of the mean concentrations of metals exceeded applicable FDA action levels.

- RPR1-COMP – arsenic, cadmium, copper, and nickel
- RPR2-COMP – arsenic, cadmium, nickel
- RPR3-COMP – cadmium and mercury
- RBC1-COMP – cadmium, mercury, nickel, and silver
- RPR4-COMP – cadmium and mercury
- RPR5-COMP – cadmium, copper, mercury, and nickel

Pesticides

M. nasuta – Two pesticides (4,4'-DDD and 4,4'-DDE) were detected in concentrations greater than the MDL in some of the project samples. All other results were U-qualified. Mean concentrations of 4,4'-DDD and 4,4'-DDE in some of the project samples, as summarized below, were statistically significantly greater than those of the reference. None of the mean concentrations of pesticides exceeded applicable FDA action levels.

- RPR1-COMP, RPR2-COMP, and RBC1-COMP - 4,4'-DDD
- RPR2-COMP and RBC1-COMP - 4,4'-DDE

A. virens – Two pesticides (4,4'-DDD and 4,4'-DDE) were detected in concentrations greater than the MDL in some of the project samples. All other results were U-qualified. Mean concentrations of 4,4'-DDD and 4,4'-DDE in some of the project samples, as summarized below, were statistically significantly greater than those of the reference. None of the mean concentrations of pesticides exceeded applicable FDA action levels.

- RPR2-COMP and RBC1-COMP - 4,4'-DDD
- RBC1-COMP - 4,4'-DDE

PAHs

M. nasuta – None of the PAHs were detected in concentrations greater than the MRL in the project samples or the reference. All results were either U- or J-qualified. Mean concentrations of total HMW PAHs and total PAHs in samples RPR1-COMP and RPR2-COMP were statistically significantly greater than those of the reference.

A. virens – None of the PAHs were detected in concentrations greater than the MDL in the project samples or the reference. All results were U-qualified; therefore, no further statistical analyses or comparisons were needed.

PCBs

M. nasuta – Concentrations of several PCB congeners and total EPA Region 2 PCBs in one or more of the project samples, as summarized below, were statistically significantly greater than those of the reference. Total EPA Region 2 PCB mean concentrations in the project samples did not exceed the FDA action level.

- RPR1-COMP – PCB 18, 28, 49, 52, 101, 138, 153, 180, 187, and total PCBs
- RPR2-COMP – PCB 28, 49, 52, 101, 118, 138, 153, 180, 187, and total PCBs
- RBC1-COMP – PCB 101 and total PCBs
- RPR4-COMP – PCB 28 and total PCBs

A. virens – Concentrations of several PCB congeners and total EPA Region 2 PCBs in one or more of the project samples, as summarized below, were statistically significantly greater than those of the reference. Total EPA Region 2 PCB mean concentrations in the project samples did not exceed the FDA action level.

- RPR1-COMP – PCB 18, 52, 101, 187, total PCBs
- RPR2-COMP – PCB 18, 52, 101, 138, 180, 187, and total PCBs
- RBC1-COMP – PCB 52 and 101
- RPR4-COMP – PCB 18 and 52

ADDAMS Model

STFATE modeling was performed using two types of dredging equipment, a clamshell dredge combined with a separate barge or scow and a hopper or cutter dredge. Each type of dredging equipment was modeled with a capacity of 4,800 cubic yards per load based on the largest option currently available in Puerto Rico. The model was also performed with a volume of 15,000 cubic yards per load in case a larger dredging vessel or transport equipment becomes available in the future. With the exception of RPR5-COMP, all model runs using a hopper or cutter dredge met the disposal criteria for both dredging methods and volumes. For RPR5-COMP using a hopper or cutter dredge, the material was modeled at 10,000 cubic yards per load and met the disposal criteria.

Therefore, the material from all project reaches may be disposed without location or volume restrictions, to a maximum volume of 15,000 cubic yards per load (or 10,000 cubic yards for RPR5-COMP using a hopper or cutter dredge) within the ODMDS boundaries in accordance with all criteria specified by EPA Region 2 and USACE Jacksonville District.

1 INTRODUCTION

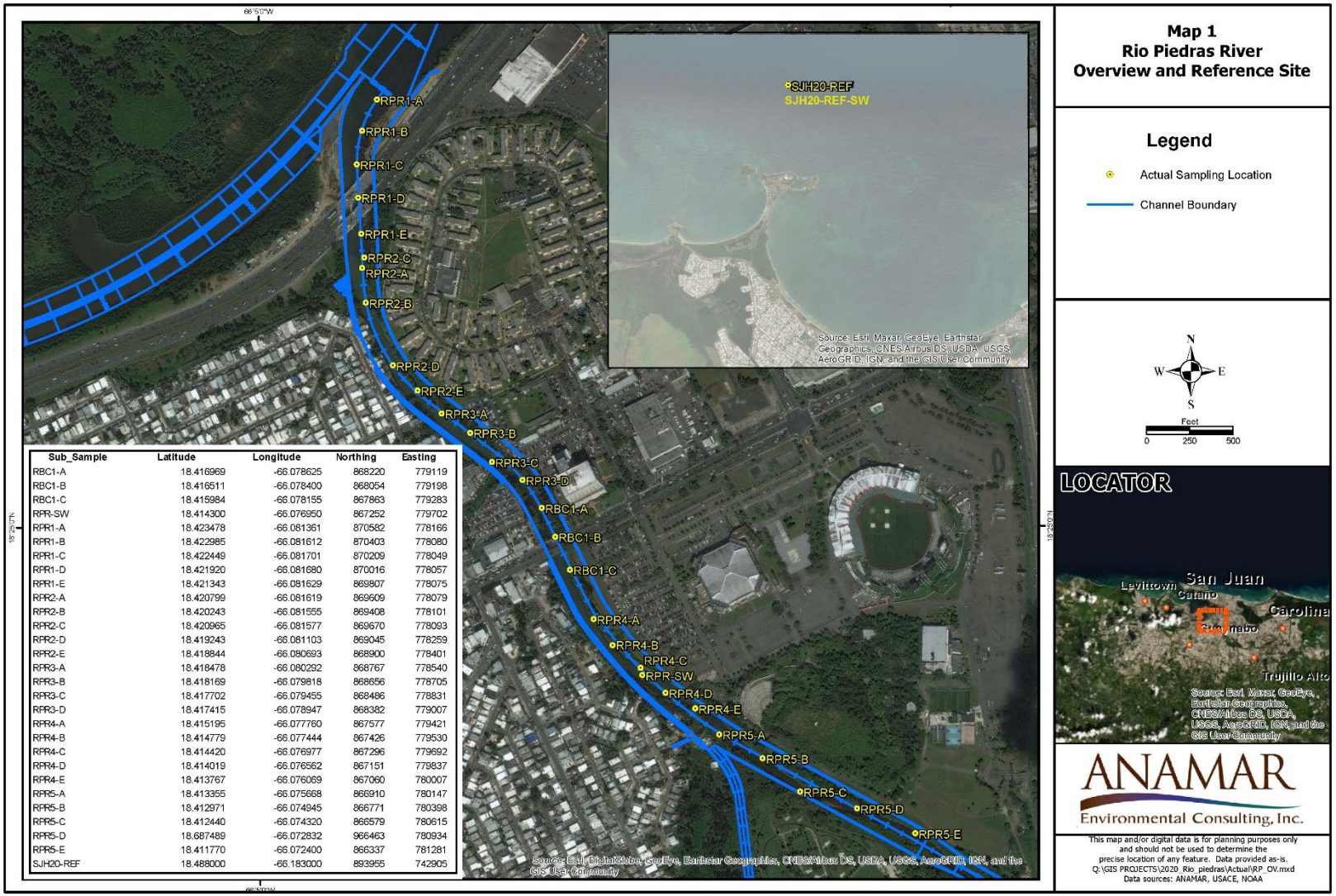
1.1 Project Area Description

The Rio Puerto Nuevo/Rio Piedras River is the main waterway drainage system for the San Juan, Puerto Rico, metropolitan area. Its watershed is fully urbanized and covers an area of more than 25 square miles. Frequent and severe flooding affects more than 6,000 families and dozens of major public buildings and facilities located throughout the floodplain. Each flood event exceeding the 2-year frequency-of-recurrence event causes damage in the millions of dollars.

The authorized Rio Puerto Nuevo (RPN) Flood Control Project includes a total of 11.2 miles of channel improvements to the existing river and its five tributaries. When complete, the improvements will provide a 100-year flood damage reduction drainage system.

Dredging of the RPN and its tributaries is necessary to complete project flood control features. Dredged material is proposed for ocean disposal at the San Juan Harbor Ocean Dredged Material Disposal Site (ODMDS). Therefore, it is required that the proposed dredged material be evaluated and tested in accordance with Marine Protection, Research, and Sanctuaries Act (MPRSA) Section 103 to ensure that it will not adversely affect human health and the marine environment.

The project area being characterized under this testing program was divided into six dredging units or reaches for sampling and testing purposes. A detailed description of each reach and information on the sampling and compositing plan are provided in Section 2. Exhibit 1-1 provides an overview of the target sampling locations for each dredging unit/reach. This report summarizes the results of the sampling and testing performed to determine the suitability of the material for disposal in the San Juan Harbor ODMDS.



Sub_Sample	Latitude	Longitude	Northing	Easting
RBC1-A	18.416969	-66.078625	868220	779119
RBC1-B	18.416511	-66.078400	868054	779198
RBC1-C	18.415984	-66.078155	867863	779283
RPR-SW	18.414300	-66.076950	867252	779702
RPR1-A	18.423478	-66.081361	870582	778166
RPR1-B	18.422985	-66.081612	870403	778080
RPR1-C	18.422449	-66.081701	870209	778049
RPR1-D	18.421920	-66.081680	870016	778057
RPR1-E	18.421343	-66.081629	869807	778075
RPR2-A	18.420799	-66.081619	869609	778079
RPR2-B	18.420243	-66.081555	869408	778101
RPR2-C	18.420965	-66.081577	869670	778093
RPR2-D	18.419243	-66.081103	869045	778259
RPR2-E	18.418844	-66.080693	868900	778401
RPR3-A	18.418478	-66.080292	868767	778540
RPR3-B	18.418169	-66.079818	868656	778705
RPR3-C	18.417702	-66.079455	868486	778831
RPR3-D	18.417415	-66.078947	868382	779007
RPR4-A	18.415195	-66.077760	867577	779421
RPR4-B	18.414779	-66.077444	867426	779530
RPR4-C	18.414420	-66.076977	867296	779692
RPR4-D	18.414019	-66.076562	867151	779837
RPR4-E	18.413767	-66.076069	867060	780007
RPR5-A	18.413355	-66.075668	866910	780147
RPR5-B	18.412971	-66.074945	866771	780398
RPR5-C	18.412440	-66.074320	866579	780615
RPR5-D	18.687489	-66.072832	966463	780934
RPR5-E	18.411770	-66.072400	866337	781281
SJH20-REF	18.488000	-66.183000	893955	742905

Exhibit 1-1. Overview of Project Sampling Locations

1.2 Description of the Testing Approach

1.2.1 Evaluation of Dredge Materials for Disposal

Sediment and suspended-phase testing are required under MPRSA Section 103 to determine the suitability of dredged material for ocean disposal. Section 103 requires that all proposed operations involving the transportation and discharge of dredged material into ocean waters be evaluated to determine the potential environmental impact of such activities. The proposed dumping must be evaluated using criteria published by EPA in Title 40 of the Code of Federal Regulations (40 CFR), Parts 220–228. Specific testing methods are described in the *Evaluation of Dredged Material Proposed for Ocean Disposal-Testing Manual* (EPA and USACE 1991, referred to here as the 'Green Book') and the *Evaluation of Dredged Material Proposed for Discharge in Waters of the U.S.—Testing Manual* (Inland Testing Manual or ITM) (EPA and USACE 1998). In addition, the EPA Region 2 guidance manual, *Guidance for Performing Tests on Dredged Material Proposed for Ocean Disposal* (RTM) (USACE and EPA 2016), provides guidance on procedures to be followed when assessing the suitability of dredge material for ocean disposal in EPA Region 2.

The testing manuals provide guidance to support the tiered testing procedure for evaluating compliance with the limiting permissible concentration (LPC) as defined by the ocean dumping regulations. The procedure includes levels of increasing investigative intensity that provide information to make ocean disposal decisions and is comprehensive enough to enable sound decision-making without unnecessary expenditure of time and resources.

1.2.2 Objectives and Deliverables

Evaluation of proposed dredged material from the project area pursuant to MPRSA Section 103 is required for ocean disposal of dredged material. For this reason, USACE Jacksonville District contracted with Gannett-Fleming, Inc. and ANAMAR Environmental Consulting, Inc. (ANAMAR) to collect sediment samples and to conduct physical, chemical, and toxicological evaluations as required in 40 CFR Parts 220–228 and outlined in the testing manuals mentioned above.

Throughout the course of this project, the procedures and criteria set forth in the Sampling and Analysis Plan/Quality Assurance Project Plan (SAP/QAPP) for sediment characterization were followed (Appendix A, ANAMAR 2020). The objectives of this effort were to:

- Collect the required volume of representative sediment samples from selected stations within the project area and the reference station within positioning accuracy appropriate for the project objectives.
- Collect and containerize sediment samples according to proper protocols to ensure sample integrity.
- Test and characterize sediment samples for physical characteristics and chemical contaminants of concern and to perform toxicology bioassays in accordance with the Green Book and the RTM to determine the suitability of the materials for ocean disposal.
- Demonstrate environmental compliance of sediments to be dredged and obtain concurrence of compliance for offshore disposal of dredged sediments from USACE and EPA according to requirements specified in the Green Book, ITM, and RTM.
- Provide a report to USACE and EPA on behalf of USACE in the format outlined in Subsection 6.2.6 of the SAP/QAPP (Appendix A).

Deliverables for this project include:

- An MPRSA Section 103 sediment testing report (draft and final) and supporting documentation that describe all aspects of the study and present the results of field sampling, physical and chemical analysis of sediment samples, and toxicological bioassays. This report presents comparisons of test sediments to the reference and provides the basis for a scientific recommendation regarding the acceptability of the dredged material for ocean disposal. Important components of this report include:
    - A narrative addressing all aspects of field sampling, laboratory analysis, discussion of laboratory results, and a review of all laboratory quality control measures.
    - Laboratory results provided in condensed tables.
    - Maps of the sampling stations.
    - A Chemical Quality Assurance Report (CQAR [Appendix E]), which evaluates all representative data from the project field sampling and laboratory analyses. The CQAR summarizes the overall usability of the data for its intended purpose.
    - Daily Quality Control Reports (DQCRs) (Appendix B) prepared by the project manager for each day of field sampling.

ANAMAR coordinated and directed operations for this project and worked closely with USACE and EPA to develop sampling and analysis schemes, schedules, and deliverables. ANAMAR also reviewed all data and produced this report summarizing the results of the physical, chemical, and toxicological analyses of sediment samples collected from the project area. Exhibits 1-2 and 1-3 indicate the principal data users and their respective areas of responsibility and subcontractors associated with this evaluation.

Exhibit 1-2. Principal Data Users and Decision Makers Associated with This Project

Agency	Location	Area(s) of Responsibility
USACE	Jacksonville, FL	Responsible for maintenance and harbor improvements in the San Juan Harbor Federal Navigation Project and co-managing the San Juan Harbor ODMDS with EPA Region 2
EPA	Region 2, New York, NY	Give concurrence to environmental requirements of dredged sediment for approval for offshore disposal per the Green Book (EPA 1991), the ITM (EPA 1998), and *Guidance for Performing Tests on Dredged Material Proposed for Ocean Disposal* (USACE and EPA 2016)

Exhibit 1-3. Prime Contractors and Subcontractors and Responsibilities Associated with This Report

Company and Contact Information	Area(s) of Responsibility
Project and Contract Management: Gannett Fleming, Inc. Project Manager: Christy Yates 10161 Centurion Parkway, Suite 300 Jacksonville, FL 32256 Phone: (904) 490-3105 cyates@GFNET.com	Manage project contract and schedule and ensure that final project deliverables meet contract requirements
Field Sampling and Report Preparation: ANAMAR Environmental Consulting, Inc Project Manager: Michelle Rau 2106 NW 67th Place, Ste. 5 Gainesville, FL 32653 Phone: (352) 377-5770 mrau@anamarinc.com	Prepare Sampling and Analysis Plan/Health and Safety Plan, field planning and logistics, lead and supervise field sample collection and shipping operations, laboratory coordination, data QA/QC, prepare report deliverables, general project management
Vibracore Subcontractor: Athena Technologies, Inc. (Athena) Project Manager: Adam Freeze P.O. Box 68 McClellanville, SC 29458 Phone: (843) 887-3800 adam_freeze@athenatechnologies.com	Vibracore support for field sample collection
Chemistry Laboratory: Analytical Resources, Inc. (ARI) Project Manager: Kelly Bottem 4611 S. 134th Pl., Ste. 100 Tukwila, WA 98168-3240 Phone: (206) 695-6211 kelly.bottem@arilabs.com	Laboratory sample preparation and chemical analysis of sediment, elutriate, and tissues; sample holding and archiving
Chemistry Laboratory: Materials Testing Consultants (MTC) Project Manager: Beth Goble 2118 Black Lake Blvd SW Olympia, WA 98512 Phone: (206) 241-1974 beth.goble@mtc-inc.net	Preparation of elutriate samples
Chemistry Laboratory: ALS Environmental, Inc. Project Manager: Todd Poyfair 1317 S. 13th Ave. Kelso, WA 98626 Phone: (800) 577-7222 Todd.Poyfair@alsglobal.com	Analysis of metals in the elutriate and water samples

Company and Contact Information	Area(s) of Responsibility
Geotechnical Laboratory: Terracon Project Manager: Chris Martin, Sr. 8001 Baymeadows Way Jacksonville, FL 32256 Phone: (904) 900-6494 crmartin2@terracon.com	Laboratory sample preparation and physical analysis of sediment; sample holding and archiving
Toxicology Laboratory: EcoAnalysts Project Manager: Brian Hester 4729 NE View Drive, Port Gamble, WA 98364 Phone: (360) 297-6040 bhester@ecoanalysts.com	Laboratory sample preparation and analysis for suspended phase, solid phase, and bioaccumulation potential
Offshore Vessel: J.A.W. Marine Contractors, Inc. *Kruger B* Research Vessel San Juan, Puerto Rico	Support for field collection of sediment and water from the designated offshore reference station

2 MATERIALS AND METHODS

2.1 Project Design and Rationale

Areas proposed to be dredged were divided into six dredging units or reaches (see Exhibits 1-1 and 2-1). Each dredging unit was composed of three to five subsample stations. All sampling stations were selected by USACE and approved by EPA Region 2.

EPA Region 2 was consulted throughout the sample collection effort for guidance on how to approach sample collection and processing at several stations. Based on these consultations, there were some changes to the Sampling and Analysis Plan which are summarized in Section 4.1. The final sampling scheme as sampled is presented in Exhibit 2-1.

General guidelines provided by EPA are summarized below.

- If hard, stiff clay (native) material was encountered, EPA requested that material be separated from the overlying, unconsolidated material and that the hard clay (native) material from subsampling stations within each dredging unit be composited into a single sample and analyzed separately for physical and chemical parameters.
- If unconsolidated, overlying material was <2 feet above the clay layer, EPA permitted the field team to collect the overlying sample material using a grab sampler rather than a core sampler.
- The scope of work stated that an equal number of cores should be taken from each location contributing to a given composite. However, it was difficult to determine how many cores would be needed to achieve sufficient volume for the composite sample because it was unknown at what elevation the hard, stiff clay layer would be encountered and also whether a grab sampler would be needed in cases where the overlying material was <2 feet. Given the difficulty of predicting how many cores would need to be collected from each substation to achieve adequate volume and maintain an equal number of cores per substation within each dredging unit, EPA advised that it was acceptable to collect an equal volume of material at each substation contributing to a given composite. In most cases, the field team was able to collect an equal number of cores at each station.

Example of unconsolidated material overlying hard clay (native) material.

Reference: The reference sediment (SJH20-REF) was collected from an offshore area in the vicinity of the San Juan Harbor ODMDS that has not been impacted by dredged material disposal. The reference station location was selected by EPA and is the same location that was sampled

during the 2015 MPRSA Section 103 evaluation for San Juan Harbor. The reference sample analyses were performed for physicals, sediment chemistry, water column acute toxicity bioassays, 10-day benthic acute toxicity bioassays, and 28-day whole sediment bioaccumulation bioassays.

Analyses of composite samples consisted of three analytical tiers, including sediment physical and chemical analyses and toxicological bioassays. A summary of field sampling methods used during the collection process are presented in Exhibit 2-2. Sediment samples were analyzed for the contaminants of interest and bioassay test species listed in Exhibit 2-3.

Exhibit 2-1. Summary of Sampling Plan Including Dredging Units, Target Elevations, and Compositing Scheme

Dredging Unit	Subsample IDs	Composite Sample ID	Project Depth (PRVD02, includes 1 foot of allowable overdepth)
RPR Reach 1 Cut 1 (North Cut)	RPR1-A	RPR1-COMP	-17.4
	RPR1-B		-17.3
	RPR1-C		-17.2
	RPR1-D		-17.1
	RPR1-E		-17.0
RPR Reach 2 Cut 1 (North Cut)	RPR2-A	RPR2-COMP	-16.9
	RPR2-B		-16.8
	RPR2-C		-16.6
	RPR2-D		-16.5
	RPR2-E		-16.4
RPR Reach 3 Cut 1 (North Cut)	RPR3-A	RPR3-COMP	-16.3
	RPR3-B		-16.2
	RPR3-C		-16.1
	RPR3-D		-15.9
Bridge Cut Bridge Cut	RBC1-A	RBC1-COMP	-15.8
	RBC1-B		-15.7
	RBC1-C		-15.6
RPR Reach 4 Cut 2 (South Cut)	RPR4-A	RPR4-COMP	-15.4
	RPR4-B		-15.4
	RPR4-C		-15.3
	RPR4-D		-15.1
	RPR4-E		-15.0
RPR Reach 5 Cut 2 (South Cut)	RPR5-A	RPR5-COMP	-15.0
	RPR5-B		-14.7
	RPR5-C		-14.6
	RPR5-D		-14.5
	RPR5-E		-14.3
SJH20-REF	(not applicable)	(not applicable)	(not applicable)
SJH20-REF-SW**	(not applicable)	(not applicable)	Collect 1 m below surface
RPR-SW*	(not applicable)	(not applicable)	Collect 1 m above bottom

* The project area site water location was used for collection of water for elutriate preparation.

** The reference location was used for collection of the offshore site water.

Exhibit 2-2. Summary of Field Sampling Materials and Methods

FIELD SAMPLE COLLECTION:

- Project subsamples and composite samples from each dredging unit plus reference sediment

SAMPLING GEAR:

- Project samples collected by vibracore and modified Petersen grab sampler
- Reference sediment collected with double van Veen sampler
- Water parameters measured with YSI multiprobe meter and Hach 2100P turbidimeter

PRESERVATION:

- Sediment samples were kept at or below 4°C
- Holding-time requirements were analyte-specific and test-specific

IN SITU WATER COLUMN DATA:

Conductivity (mS/cm)
pH
Sea state
Turbidity (NTU)
Water temperature (°C)
Dissolved oxygen (mg/L and % saturation)
Salinity (ppt)
Tide cycle
Water depth (feet)
Weather observations

Exhibit 2-3. Analytical Requirements Per Sample Collected

Test		Composite Samples	Subsamples	Clay Samples	Reference	Control	Site Water/ Elutriate	Pre-exposure Tissues
Physicals	Grain Size	**Y**	**Y**	**Y**	**Y**	**Y**	--	--
	Atterberg Limits	**Y**	--	--	**Y**	--	--	--
	% Moisture	**Y**	**Y**	**Y**	**Y**	**Y**	--	--
	Settling Rates	**Y**	--	--	**Y**	--	--	--
	Specific Gravity	**Y**	--	--	**Y**	--	--	--
	Bulk Density	**Y**	--	--	**Y**	--	--	--
Sediment Chemistry	TOC	**Y**	**Y**	**Y**	**Y**	**Y**	--	--
	Metals	**Y**	--	**Y**	**Y**	--	--	--
	Pesticides	**Y**	--	**Y**	**Y**	--	--	--
	PCB Congeners	**Y**	--	**Y**	**Y**	--	--	--
	PAHs	**Y**	--	**Y**	**Y**	--	--	--
Elutriate Chemistry	Metals	**Y**	--	--	--	--	**Y**	--
	Pesticides	**Y**	--	--	--	--	**Y**	--
	PCB Congeners	**Y**	--	--	--	--	**Y**	--
Tissue Chemistry	Metals	**Y**	--	--	**Y**	--	--	**Y**
	Pesticides	**Y**	--	--	**Y**	--	--	**Y**
	PCB Congeners	**Y**	--	--	**Y**	--	--	**Y**
	PAHs	**Y**	--	--	**Y**	--	--	**Y**
	% Lipids	**Y**	--	--	**Y**	--	--	**Y**
Toxicology	Suspended Phase Bioassay	**Y**	--	--	--	**Y**	--	--
	Solid Phase Bioassay	**Y**	--	--	**Y**	**Y**	--	--
	Bioaccumulation Potential	**Y**	--	--	**Y**	**Y**	--	**Y**

Y = analysis performed; -- = analysis not performed/not required or not applicable

2.2 Sample Collection Techniques

2.2.1 Project Field Effort

Sampling activities were conducted according to the SAP/QAPP (Appendix A) and guidance from USACE and EPA. Field mobilization and sampling took place between October 12 and November 2, 2020. Field personnel consisted of scientists from ANAMAR and Athena Technologies. The *Kruger B* vessel departed from Pier 9 of the Port of San Juan for collection of the reference sediment on October 29, 2020. The Athena vessel *Good Vibrations* was used to collect the project samples and site water within the project area. In the uppermost reach of the project area where water was very shallow, samples were collected from a smaller sampling platform. Sample compositing was conducted on-site by ANAMAR personnel prior to shipping samples to the laboratories.

Exhibit 2-4 is a summary of the field sampling, compositing, and shipping activities. For more details, refer to the DQCRs in Appendix B. Breaks in the field sampling schedule reflect mobilization and collection of samples at additional project sites.

Exhibit 2-4. Field Sampling Activities

Date	General Activity
Oct 12 and 19, 2020	• Mobilize to San Juan, PR; obtain boat from customs and stage equipment to begin sampling operations
Oct 13 and 14, 2020	• Conduct pedestrian surveys along the project area to evaluate vessel access and sample transfer logistics
Oct 20, 2020	• Conduct a reconnaissance survey with USACE and EPA on the vessel to view the project area and station locations and to determine how far Athena's primary vessel could reach upstream before the water became too shallow
Oct 24, 2020	• Collect samples from Reach 1 (RPR1-A through E)
Oct 25, 2020	• Collect samples from Reach 2 (RPR-A, C, E) • Start Reach 3 (RPR3-D partial)
Oct 26, 2020	• Continue Reach 3 (RPR3-A partial) • Had an issue with winch switch, had to replace it back at the dock • Coordination call with EPA
Oct 27, 2020	• Finish Reach 3 (RPR3-A, B, C, D) • Collect samples from Bridge Cut (RBC1-A, B, C)
Oct 28, 2020	• Collect samples from Reach 4 (RPR4-A, B, C, D, E) • Collect samples from Reach 5 (RPR5-A, B, C, D, E)
Oct 29, 2020	• Collect offshore reference sample and reference site water chemistry sample
Oct 31, 2020	• Collect site water and background water chemistry sample
Nov 1, 2020	• Pack and prepare samples for shipping • Pack up container
Nov 2, 2020	• Pack and prepare samples for shipping • Prepare chains of custody • Ship samples to laboratories
Nov 3, 2020	• Finish packing shipping container • Travel back to Gainesville, FL

2.2.2 Site Positioning

Sediment collection locations were provided by USACE and approved by EPA. Station coordinates were uploaded to a Panasonic Toughbook computer and associated Trimble

sub-meter GPS system on the R/V *Good Vibrations* and a GPS system at the helm of the S/V *Kruger B*. A Garmin hand-held GPS was used to log sampling coordinates at the aft deck of the *Kruger B* during sampling. Sampling coordinates were also logged at coring stations with a Garmin hand-held GPS as backup. Waypoints were recorded on sampling field logs. Navigation and positioning of the sampling vessels referenced above were handled by U.S. Coast Guard-licensed captains under direction of the ANAMAR field team leader. A graduated line was used to determine water depths at coring locations. Water depths during offshore reference grab sampling were determined using a depth finder.

All samples were taken within 25 feet of the target station and conformed to Subsection 11.1.3 of the SAP/QAPP, with some exceptions. There were a few stations that needed to be relocated from the target station. The stations and the reasons for relocation are described in Subsection 3.1.3 and Table 1.

Table 1 contains dates and times, coordinates, water depths, bottom elevations, and associated data for sediment grab and core samples. Table 2 contains similar information for water column parameters recorded at the reference station and the site water location. The sampling locations for reference and project sediment samples are shown in Maps 1 through 4.

2.2.3 Decontamination Procedures

All equipment contacting sediment samples was cleaned and decontaminated as described below. Work surfaces on the sampling vessel were cleaned before the sampling day began and before leaving each station. All equipment contacting sediment samples was decontaminated between dredging units and individual stations, where required, to prevent cross-contamination. Gloves used at a given sampling station were replaced with new gloves prior to sampling at the next station.

Decontamination Procedures

- Wash and scrub using site water or tap water to remove gross contamination
- Wash and scrub with Liquinox® detergent
- Rinse with site water
- Rinse with deionized water
- Rinse 2 times with pesticide grade isopropanol
- Rinse 3 times with deionized water
- Equipment not being used immediately was air-dried and stored wrapped in new, clean aluminum foil

Any derived waste was contained and disposed of in accordance with federal, state, and local laws.

2.2.4 Water Column Measurements

A YSI multiprobe meter and a Hach 2100P turbidimeter were used to measure water column parameters at the offshore reference site water station, the project area site water station, and at one station within each dredging unit with the exception of the Reach 5 dredging unit. Water quality measurements were not collected within the Reach 5 dredging unit because the vessel, *Good Vibrations,* could not travel that far upstream due to shallow water.

Instruments were calibrated each day prior to use according to manufacturer's instructions. An end-of-day reading was also taken to document that the instrument remained calibrated within acceptance criteria. Water column measurements were recorded from 2 or 3 feet below surface, at mid-depth, and 3 feet above the bottom at the San Juan Harbor site water station. Water column measurements were taken 2 feet below the surface at the reference station. Measured water column parameters and associated data consisted of

- Time of reading
- Depth of measurement (feet)
- Water temperature (°C)
- pH (units)
- Salinity (parts per thousand [ppt])
- Conductivity (mS/cm)
- Dissolved oxygen (mg/L and percent saturation)
- Turbidity (NTU, near-surface only)

Water depth measurements, tidal cycle, and weather observations were recorded on field logs and are summarized in Table 2. Equipment calibration logs are in Appendix B.

2.2.5 Sediment Sampling with Vibracore

Subsurface core samples were obtained using a vibratory core sampler (vibracore). Vibracore services were performed by Athena under the guidance of an ANAMAR field team leader who was present on the sampling vessel at all times to direct operations, record field notes, and containerize and label samples. The vibracore samples were collected primarily from the sampling vessel *Good Vibrations*, which is fitted for vibracore sampling. The vessel carried all necessary sediment sampling equipment and materials. The three subsample stations located farthest upstream (RPR5-A, B, C) were sampled with Athena's smaller sampling platform due to shallow water in that area.

The vessel captain navigated to each target using a helms map displayed on a Panasonic Toughbook computer and associated Trimble GPS system. Once on-station, the vessel was immobilized using anchors. Vessel coordinates were compared to station coordinates loaded in a second GPS to confirm location accuracy. Depths were recorded to the nearest inch using lead-line readings and were then converted to the nearest tenths of a foot. To ensure vertical accuracy of cores (i.e., collection to project depth) at each site, bottom elevations were determined using real-time kinematic (data) (RTK). Core penetration required to reach project depth was calculated by adding real-time elevation of the substrate surface (as a negative value) to the project depth.

Athena's vibracore system was deployed from the deck of the vessel and consisted of a generator with a mechanical vibrator attached via cable. This vibrator was attached directly to a 4-inch-diameter stainless steel core barrel. The sampler was lowered to the substrate through a moon pool in the deck of the sampling platform by attaching lengths of drill stem. The vibracore apparatus was then activated and the core barrel penetrated into the sediment until it reached target depth or refusal, whichever was reached first. Vibracore refusal is defined as the point where the core barrel is advanced to depth and additional downward force applied to the vibracore drill stem does not result in measurable penetration into the sediment. This is often the result of the end of the coring tube encountering rock or consolidated sediment.

When the vibracore reached target depth or refusal, the vibracore apparatus was then deactivated and the core retrieved using an electric winch. Once the sample was on-deck, the recovered core length was determined to the nearest inch and converted to the nearest tenths of a foot. Determination of acceptance of a given core sample was based on percent recovery requirements as stated in the SAP/QAPP. The sediment sample was then removed from the core barrel and placed into a stainless-steel bin for characterization, photographs, and containerizing.

When sediment cores are collected with a vibracore system, the retrieved sample is subject to material compaction. For instance, a core sample taken from a penetration depth of 10 feet may result in a recovered core of only 8 to 9 feet in length, depending on the sediment composition. Core samples were considered acceptable if the core was inserted vertically into the sediment, reached target depth or refusal, and recovered at least 75% of penetrated depth. Alternatively, the acceptance limit for each core is decreased if the first core attempted at a given station was below 75% recovery of penetration depth and subsequent cores collected were within ±15% of the initial core percent recovery. During events when collected cores showed widely varying recoveries over several attempts, the material was collected, and the recovery lengths and reason for low recoveries were recorded on the field sheets.

The number of cores collected at each station was dictated by the number needed to achieve sufficient volume for laboratory analyses. To maintain proportional volumes between subsample stations, the team tried to collect the same number of cores at each station. However, in some circumstances, it was difficult to predict how many cores would be required at each station across a dredging unit because of the requirement to separate out the clay layer from the overlying unconsolidated material. Also, some stations within a dredging unit had less than 2 feet of unconsolidated material at the surface and therefore required a grab sample. EPA was consulted on this issue and it was recommended that if an equal number of cores could not be collected, an equal volume of material should be collected at each station.

Once all cores or grab samples were collected at a given station, the sample material was photographed, transferred to labeled Teflon® bags, and placed into coolers. All containers were properly labeled and sampling information for each station was recorded on individual project-specific field logs. At the end of each sampling day and following compositing, the samples were transferred to a refrigerated truck for storage at ≤4°C prior to shipping.

Information from core logs is summarized in Table 1. Field sampling logs are in Appendix B. Photographs taken during sampling and compositing are in Appendix I.

2.2.6 Sediment Sampling with Grab Sampler

Within the project areas, there were some stations where cores lengths were estimated to be <2 feet based on the depth of the unconsolidated, overlying material. EPA advised that if shoaling of unconsolidated, overlying material was <2 feet, then a grab sampler could be used to collect the material. Grab samples were collected using either a double van Veen (for the reference station) or a modified Petersen grab sampler that was lowered and raised by a winch. One person operated the winch and additional team members guided the sampler to a decontaminated stainless steel bin on the vessel. Excess water was allowed to drain from the sampler prior to placing sample material in the bin. When the required volume of sediment was collected, a photograph of the material was taken and notes on the sample's appearance and characteristics were recorded on a project-specific field log. Using decontaminated stainless steel utensils and disposable nitrile gloves, the sample was placed in pre-cleaned, labeled Teflon® bags and stored in ice-filled coolers. Upon return to the dock, the samples were transferred to a refrigerated truck

for preservation at or below 4°C. Map 1 shows the location of the reference station. Table 1 and the field logs in Appendix B provide additional information on grab sampling. Photographs taken during sampling and compositing are in Appendix I.

2.2.7 Sample Processing, Shipping, and Custody

2.2.7.1 Compositing and Homogenizing

ANAMAR personnel composited and homogenized sediment samples using decontaminated stainless steel mixing equipment and a 40-gallon-capacity stainless steel bin. Compositing was conducted in accordance with the scheme presented in Section 2.1. See Table 1 for more information.

After sediment samples were composited, appropriate volumes of each sample were divided and placed in method-specific, pre-cleaned, pre-labeled Teflon® bags (for chemical analysis) or plastic bags or buckets (for physical analysis or for use in bioassay testing). Once composited, the samples were placed in a refrigerated truck at or below 4°C until shipment to respective laboratories. The temperature inside the truck was monitored to ensure that samples met preservation criteria. Copies of temperature logs are in Appendix B.

2.2.7.2 Shipping to Laboratories

Samples were shipped overnight via FedEx Custom Critical to laboratories in refrigerated units called C-Safes. The temperature within the C-Safe was monitoring throughout the shipment. Copies of temperature logs are in Appendix B.

Chain-of-custody records for each laboratory were completed to reflect the final sample names and to identify the analyses and analytical methods required. These chain-of-custody forms accompanied the samples during shipment to the laboratories. Copies of final signed chain-of-custody forms are included with the laboratory reports in Appendices C, D, and F.

2.3 Physical and Chemical Analytical Procedures

2.3.1 Physical Procedures

Terracon performed physical analysis of all sediment samples. ANAMAR performed quality assurance/quality control (QA/QC) on sediment physical data and presented the data for all samples in summary tables.

2.3.1.1 Grain Size Distribution

Gradation tests were performed in accordance with methods ASTM D-422 and ASTM D-1140. Each representative sample was air-dried and dry-prepped in accordance with method ASTM D-421, and results of the sieve analysis of material larger than a #10 sieve (2.00-mm mesh size) were determined. The minus #10 sieve material was then soaked in a dispersing agent. Following the soaking period, the sample was placed in a mechanical stirring apparatus and then in a sedimentation cylinder where hydrometer readings were taken over a 24-hour period. After the final hydrometer reading was taken, the sample was washed over a #200 sieve (0.075-mm mesh size), placed in an oven, and dried to a constant weight. After drying, the sample was sieved over a nest of sieves to determine the gradation of the material greater than #200 sieve size. Cumulative frequency percentages were graphed and presented by Terracon on USACE Form 2087 (Appendix C).

2.3.1.2 Moisture Content

Moisture content was analyzed in accordance with method ASTM D-2216-80 and Plumb (1981). The sample weight was recorded and the sample was placed in an oven and dried to a constant mass at 110°C. Once a constant dry mass was obtained, the percent moisture was determined by subtracting the dry mass from the wet mass, then dividing the loss in mass due to drying (the mass of just moisture) by the wet mass. The percent total solids was reported on a 100% wet weight basis.

2.3.1.3 Atterberg Limits

Tests for liquid and plastic limits were performed in accordance with ASTM D-4318, wet method, as follows. The minus #40 sieved material was mixed with a small amount of water and placed in a liquid limit device. A groove was cut using a flat grooving tool and the liquid limit was determined by the number of drops of the cup. When the number of drops was in the desired range, a moisture sample was obtained, placed in a 230°C oven, and dried to a constant weight. This was repeated until three determinations had been obtained, one between 15 and 25 blows, one between 20 and 30 blows, and one between 25 and 35 blows. The reported value is the intersecting value at 25 blows when all three are plotted.

The plastic limit was determined by slowly air-drying a small sample left over from the liquid limit determination. The sample was rolled and air-dried until the thread became crumbly and lacked cohesion. When this point was reached, the sample was placed in a tare and weighed, then placed in an oven and dried to a constant weight. The moisture content is the plastic limit.

2.3.1.4 Specific Gravity

Specific gravity was determined in accordance with method ASTM D-854. Each sample was placed in a mechanical stirring device and deionized water was added to form a slurry. The slurry was then transferred to a pycnometer and was de-aired by applying a vacuum. After vacuuming, the pycnometer with sample was allowed to reach thermal equilibrium. The water level was adjusted to a calibration mark, and the pycnometer with sample was weighed. After the pycnometer with sample weight was recorded, the sample was emptied into a drying container and placed in an oven until a constant dry mass of sediment solids was obtained.

2.3.1.5 Bulk Density

Bulk density, also known as dry bulk density, is the weight of dry sediment divided by the total volume. The total sediment volume is the combined volume of solids and pores which may contain air, water, or both. The average values of air, water, and solids in soil are easily measured and are a useful indication of the sediment's physical condition.

2.3.2 Chemical Analytical Procedures

ARI and ALS performed chemical analyses of the sample composites and the reference in accordance with published procedures. Analytical methods, preparation methods, target detection limits, and laboratory reporting limits for sediment are in Section 13.3 of the SAP/QAPP (Appendix A). ANAMAR performed QA/QC on these data and presented them in summary tables. Complete laboratory reports are in Appendix D. Exhibit 2-5 provides a summary of analytical methods for chemical analysis of sediment.

Exhibit 2-5. Summary of Methods and Equipment Used during Chemical Analysis of Sediment

EPA Method	Instrument/ Procedure	Methodology Summary
6020A (Trace metals in water/sediments/ tissues)	Inductively Coupled Plasma/Mass Spectrometry	Inductively coupled plasma/mass spectrometry (ICP/MS) is applicable to the determination of sub-µg/L concentrations of a large number of elements in water and sediment samples. Acid digestion prior to filtration and analysis is required for aqueous samples and sediments for which total (acid-leachable) elements are required. For analysis, sample material in solution is introduced by pneumatic nebulization into radiofrequency plasma where energy transfer processes cause desolvation, atomization, and ionization. The ions are extracted from the plasma through a differentially pumped vacuum interface and separated on the basis of their mass-to-charge ratio by a quadrupole mass spectrometer. The ions transmitted through the quadrupole are detected by an electron multiplier and the ion information is processed by a data-handling system.
7470/7471 (Mercury in water/sediments/ tissues)	Mercury Analyzer Cold Vapor Atomic Absorption	Method 7470 is applicable to water samples, and 7471 is applicable for measuring total mercury (organic and inorganic) in sediments. All samples are digested and oxidized at 95 ± 3°C, then mercury from the digestates is reduced to the elemental state and aerated from solution in a closed system. The mercury vapor passes through a cell positioned in the light path of an atomic absorption spectrophotometer, and the absorbance (peak area) at 253.7 nm is measured as a function of mercury concentration.
8081/8082 (Pesticides/PCBs in water/ sediments/ tissues)	Gas Chromatograph	Methods 8081 and 8082 are applicable to the determination of extracted organochlorine pesticide compounds and polychlorinated biphenyl (PCB) congeners from a variety of matrices by gas chromatography-electron capture detection (GC-ECD). Qualitative identification of an analyte is based on its retention times on dissimilar GC columns. Quantitative analysis may be based on peak areas or height following either external or internal calibrations. Second column confirmation is typically performed and, if the relative percent difference (RPD) is ≤40%, the result is considered confirmed. If the RPD exceeds 40%, errors, chromatographic, and instrument performances are all checked. If the out-of-control situation is still not resolved, the data are reported with qualifiers. When there are no discrepancies between columns, the lower of the two results is typically reported.
8270 (PAHs in sediments/ tissues)	Gas Chromatograph/ Mass Spectrometer	This method is used to determine the concentration of polycyclic aromatic hydrocarbon (PAH) organic compounds in extracts prepared from many types of solid matrices and water samples. The extracted sample aliquot is injected into a gas chromatograph/mass spectrometer (GC/MS) by large-volume injection for qualitative and quantitative determination. Data may be obtained from the mass spectrometer via one of the three modes of operation: full scan mode, selected ion monitoring, or multiple reaction monitoring.
Plumb (1981) (TOC in sediments)	Total Organic Carbon (TOC) Analyzer	Plumb (1981) is used to determine the concentration of organic carbon in sediment by catalytic combustion or wet chemical oxidation. The carbon dioxide formed from this procedure is measured and is proportional to the TOC in the sample.

2.4 Bioaccumulation and Toxicology Procedures

EcoAnalysts conducted biological testing using sediment samples collected by ANAMAR as part of the dredged material evaluation for the Rio Piedras River in San Juan, Puerto Rico. The testing procedures used by EcoAnalysts (2021) is summarized in Section 2 of their report titled *Rio Piedras River Channel Sediment Characterization, San Juan, Puerto Rico*. The complete laboratory report is in Appendix G (in hardcopy and on disc).

The material under consideration for ocean disposal was evaluated in accordance with procedures and criteria outlined in the Green Book and the RTM and with guidance outlined in the ITM. Biological analyses with reference sediments was performed concurrently with the test sediment evaluations.

This program included bioassay analysis of six composite samples and one reference sample. In addition, appropriate laboratory control samples (LCSs) were run with each of the selected test species. Bioassay testing for this project consisted of three water column bioassays, two whole sediment bioassays, and two whole sediment bioaccumulation potential tests. The bioassay and bioaccumulation tests are summarized in Exhibit 2-6. Exhibit 2-7 summarizes the testing objectives for each sample evaluated under this program. All tests were conducted within the 8-week (56 days) sediment holding time limit.

Exhibit 2-6. Biological Testing Performed for Dredge Material Evaluation

Test Type	Type of Organism	Taxon	Project Sediments	Reference Sediment	Control Sediment/ Seawater
Suspended-Particulate Phase	Mysid shrimp	*Americamysis bahia* Courtesy of: Alan Kennedy, ERDC	●[1]	NA	●
	Fish	*Menidia beryllina* Courtesy of: MBL Aquaculture	●[1]	NA	●
	Larval bivalve	*Mytilus galloprovincialis* Courtesy of: William Gardner, NewFields Northwest	●[1]	NA	●

Test Type	Type of Organism	Taxon	Project Sediments	Reference Sediment	Control Sediment/ Seawater
Solid-Phase	Amphipod	*Ampelisca abdita* Courtesy of: Alan Kennedy, ERDC	•	•	•
	Mysid shrimp	*Americamysis bahia* Courtesy of: Alan Kennedy, ERDC	•	•	•
Bioaccumulation	Polychaete	*Alitta virens* Courtesy of: Alan Kennedy, ERDC	•	•	•
	Bivalve	*Macoma nasuta* Courtesy of: Alan Kennedy, ERDC	•	•	•

[1] Sediment elutriates of project material.

NA = Tests or treatments that are not applicable to the selected tests.

Exhibit 2-7. Biological Testing Objectives by Sample

Sample	Objective
SJH20-REF	Solid Phase Tests and Bioaccumulation Tests
RPR-SW	Suspended Particulate Phase
RPR1-COMP	All Phases of Testing
RPR2-COMP	
RPR3-COMP	
RPR4-COMP	
RPR5-COMP	
RBC1-COMP	

2.5 Tissue Analysis Recommendations

ANAMAR coordinated with USACE and EPA to determine which analytes should be tested in the corresponding tissue samples based on guidance in the RTM. The final list of parameters analyzed in tissue samples is summarized in Exhibit 2-3.

2.6 Applicable Technical Quality Standards

Raw field and laboratory data were summarized and compiled into tables. Figures were used to associate the results spatially with respect to sampling locations.

2.6.1 Sediment Chemistry

Results of laboratory analyses of sediment samples are compared to published sediment screening values as appropriate and in conformance with the Green Book and the RTM. These levels are the threshold effects level (TEL) and effects range low (ERL). The TEL represents the concentration below which adverse effects are expected to occur only rarely. The ERL is the value at which toxicity may begin to be observed in sensitive species (Buchman 2008). These comparisons are for reference use only and are not intended for regulatory decision-making.

2.6.2 Elutriate and Water Chemistry

Analytical results for elutriate and water samples were compared to the latest published EPA water quality criteria of criteria maximum concentration (CMC [synonymous with 'acute']) established in EPA (2006, 2015). The CMC is an estimate of the highest concentration of a pollutant in saltwater to which an aquatic community can be exposed briefly without resulting in an unacceptable effect (EPA 2006, Buchman 2008).

2.6.3 Tissue Chemistry

The project sample and reference tissues had five replicates per test species and were evaluated using guidance from Subsection 6.3 of the Green Book and Subsection 9.2.3 of the RTM. Analytical results for tissue samples were compared to published tissue screening benchmarks. The U.S. Food and Drug Administration (FDA) action levels and threshold levels were used for comparison after accounting for steady-state adjustments as applicable.

Analyte concentrations in *Macoma nasuta* tissues were compared to FDA levels for bivalve mollusks. Analyte concentrations in *Alitta virens* tissues were compared to the FDA levels for crustacea as there are no FDA levels published for polychaete worm tissue (FDA 2001, 2011).

The mean of results for each set of five replicates per composite and analyte combination was calculated for wet weight and dry weight concentrations. The wet weight concentrations of composites having two or more replicates greater than the MDL were compared to the replicate concentrations for the reference tissue per analyte. Mean values of analyte concentrations were calculated as follows:

- For non-detects (U-qualified) data, the method detection limit (MDL) was used in all statistical calculations.
- For J-qualified and non-qualified analytical results, the reported result was used in all statistical calculations.

In cases where the mean concentration of an analyte in *A. virens* or *M. nasuta* tissue was found to exceed that of the reference tissue, the biostatistical software program ToxCalc v5.0.32 (Tidepool Scientific, LLC) was used to determine the relative distribution and variances among

the samples tested. If the distribution was determined to be abnormal or the variances unequal, the data were treated with a reciprocal transformation and the distribution and variances were re-evaluated. If no mean tissue contaminant concentration was found to statistically exceed that of the reference tissue, no additional analysis was necessary to demonstrate compliance with the LPC (Green Book). Mean tissue analytical results found to statistically significantly exceed those of the reference tissue (of the same species) are presented in bold font in the accompanying tables. This is in accordance with Subsection 6.3 of the Green Book and Subsection 9.2.3 of the RTM.

2.6.4 Toxicology

All water quality and endpoint data were entered into Microsoft Excel spreadsheets. Water quality parameters were summarized by calculating the mean, minimum, and maximum values for each test treatment. Endpoint data were calculated for each replicate, and the mean value and standard deviation were determined for each test treatment.

All hand-entered data were reviewed for data entry errors. Any errors found were corrected before summary calculations were performed. A minimum of 10% of all calculations and data sorting were reviewed for errors. Review counts were conducted on any apparent outliers.

Statistical comparisons were made according to the Green Book and were performed using SAS/STAT software or CETIS™ software (CETIS 2012). Before statistical comparisons were conducted, data were tested for normal distribution. Any data that violated the assumption of normal distribution were transformed using an arcsine square root transformation before statistical analysis. All data were tested for equality of variance using Levene's test.

Benthic test results were compared to reference results using analysis of variance (ANOVA) with SAS Proc GLM software with Dunnett's multiple comparison test on the mean values. The Dunnett's test was performed as a one-way test, testing for significantly lower organism survival than in the reference sample.

2.7 Reporting Limits

Chemical concentration, MDL, and method reporting limit (MRL) were reported on a dry weight basis for sediment samples, liquid basis for site water and elutriate samples, and wet and dry weight bases for tissue samples. The MDL refers to the minimum concentration of a given analyte that can be measured and reported with a 99% confidence level that the analyte concentration is greater than zero. The procedures for determining MDLs are defined in 40 CFR Part 136 Appendix B for most chemical analyses. The MRL refers to the minimum concentration at which the laboratory will report analytical chemistry data with confidence in quantitative accuracy of a given data point. Common laboratory procedures for defining an MRL include assigning it to a fixed factor above the MDL or by using the lowest calibration standard. MRLs are often adjusted by the laboratory for sample-specific parameters such as sample weight, percent solids, or dilution.

3 RESULTS AND DISCUSSION

3.1 Field Data and In Situ Measurements

3.1.1 Weather Conditions

Conditions were favorable during sampling at the offshore reference station and coring locations. Weather conditions (including wind direction, wind speed, and sea state) at each station are noted on the field logs in Appendix B.

3.1.2 Water Column Data

Water column parameters were recorded at the offshore reference station (SJH20-REF-SW) and at the project site water station (RPR20-SW) located near RPR-4-C. Data are summarized in Table 2. The water sampling field logs are in Appendix B.

3.1.3 Vibracore and Grab Sampling Data

A summary of sample collection within each dredging unit is provided below. Table 1 provides a summary of vibracore sampling data, including core depth, penetration, recovery length, and percent recovery. Copies of the core logs are in Appendix B.

Reach 1 Summary:
Two cores were collected from each substation in this reach. No clay composite sample was collected in this reach because it was sampled prior to discussing separating the hard clay layer from the unconsolidated, overlying layer with EPA. The hard clay layer was encountered only at RPR1-B, and a separate sample of the clay material was collected for physical analysis.

RPR1-A – Two cores were collected at the target station. Refusal was encountered above project depth because the sampler hit something hard, possibly a submerged log. Both cores had low recoveries (50% and 49%), but no material was lost from the bottom of the core. The low recoveries may have been due to the very coarse sand/rocks throughout the profile.

RPR1-B – The first attempt to core at the target location was unsuccessful because the sampler hit something hard just below the surface. The captain moved the boat up the channel about 10 feet and two cores were collected. Refusal was encountered (hard clay layer) above project depth. There was stratification in these cores so physical samples of each layer were collected. RPR1-B1 = top layer, black coarse sand; RPR1-B2 = dark gray clay layer; RPR1-B3 = red/gray stiff clay.

RPR1-C – Two cores were collected at the target station. Refusal was encountered above project depth. The sample was composed of black coarse sand/rocks overlying gray clay.

RPR1-D – Two cores were collected at the target station. Refusal was encountered above project depth. The sample was composed of black coarse sand/rocks overlying gray clay.

RPR1-E – Two initial core attempts had poor penetration and recovery, and material from those attempts was discarded. Two additional cores were collected successfully at the target station. Refusal was encountered above project depth and both cores had low recoveries (52% and 64%).

Reach 2 Summary:
Six cores were collected from each substation in this reach. General description: black coarse sand/rocks overlying softer gray clay transitioning into hard red/gray clay. A clay composite sample was collected for this reach for physical and chemical analysis (RPR2-Clay-COMP).

RPR2-A – Six cores were collected from the target station. Refusal was encountered above project depth due to hard red/gray clay. The hard red/gray clay layer was separated and included in the clay composite sample (RPR2-Clay-COMP).

RPR2-B – No sample was collected at this station because a hard red/gray clay layer was encountered at the surface. The field team tried several locations, including near the edge of the bank, but there was no overlying material. This area seemed to be scoured out. After consulting with EPA, the station was eliminated from this reach.

RPR2-C – This station was relocated because the target station was similar to station B with hard red/gray clay encountered at the surface; overlying material was scoured out. EPA approved moving the sampling location to an area with some overlying sediment. The station ended up being moved closer to station A. Six cores were collected from this station. The hard red/gray clay layer was separated and included in the clay composite sample (RPR2-Clay-COMP).

RPR2-D – No sample was collected at this station because a hard red/gray clay layer was encountered at the surface. The field team tried several locations, including near the edge of the bank, but there was no overlying material. This area seemed to be scoured out. After consulting with EPA, the station was eliminated from this reach.

RPR2-E – Six cores were collected from the target station. Refusal was encountered above project depth due to hard red/gray clay. The hard red/gray clay layer was separated and included in the clay composite sample (RPR2-Clay-COMP).

Reach 3 Summary:
Four cores each were collected at stations A and B. One core each was collected at stations C and D. Due to the shallow depth (<2 feet) of overlying material, a grab sampler was used at stations C and D to collect the rest of the volume needed for the overlying composite sample. Equal volumes were collected at each station. A clay composite sample was collected for this reach for physical and chemical analysis (RPR3-Clay-COMP).

RPR3-A – Four cores were collected at the target station; one was discarded due to low recovery. Refusal was encountered above the project depth due to stiff gray clay. Stratification in the sample profile was observed at this station; therefore, separate physical samples were collected from each layer. RPR3-A1 (top, gray clay); RPR3-A2 (middle, dark gray coarse sand); RPR3-A3 (bottom, gray clay with coarse sand). The stiff gray clay layer was separated and included in the clay composite sample (RPR3-Clay-COMP).

RPR3-B – Four cores were collected at the target station; one was discarded due to low recovery. Refusal was encountered above the project depth due to stiff red/gray clay. The stiff red/gray clay was separated and included in the clay composite sample (RPR3-Clay-COMP).

RPR3-C – This station was relocated because of large pieces of concrete at the surface. Refusal was encountered above the project depth due to stiff red/gray clay. One core was collected to determine the elevation of the clay layer, then a grab sampler was used to collect the rest of the

volume needed due to the shallow depth (<2 feet) of overlying material. The stiff red/gray clay was separated and included in the clay composite sample (RPR3-Clay-COMP).

RPR3-D – Refusal was encountered above the project depth due to stiff red/gray clay. One core was collected to determine the elevation of the clay layer, then the team switched to the grab sampler to collect the rest of the volume needed due to the shallow depth (<2 feet) of overlying material. The stiff red/gray clay was separated and included in the clay composite sample (RPR3-Clay-COMP).

Bridge Cut Summary:
Four cores each were collected at stations A and B. One core was collected at station C. Due to the shallow depth (<2 feet) of overlying material, a grab sampler was used at station C to collect the rest of the volume needed for the overlying composite sample. A clay composite sample was collected for this reach for physical and chemical analysis (RBC1-Clay-COMP).

RBC1-A – Four cores were collected at the target station. Refusal was encountered above the project depth due to stiff red/gray clay. The stiff red/gray clay was separated and included in the clay composite sample (RBC1-Clay-COMP).

RBC1-B – Four cores were collected at the target station. Refusal was encountered above the project depth due to stiff red/gray clay. The stiff red/gray clay was separated and included in the clay composite sample (RBC1-Clay-COMP).

RBC1-C – Refusal was encountered above the project depth due to stiff red/gray clay. One core was collected to determine the elevation of the clay layer, then a grab sampler was used to collect the rest of the volume needed due to the shallow depth (<2 feet) of overlying material. The stiff red/gray clay was separated and included in the clay composite sample (RBC1-Clay-COMP).

Reach 4 Summary:
Two to three cores each were collected at stations A, D, and E. One core each was collected at stations B and C. Due to the shallow depth (<2 feet) of overlying material, a grab sampler was used at stations B and C to collect the rest of the volume needed for the overlying composite sample. A clay composite sample was collected for this reach for physical and chemical analysis (RPR4-Clay-COMP).

RBR4-A – Three cores were collected at the target station. One core was discarded because of low recovery/penetration. Refusal was encountered above the project depth due to stiff red/gray clay. The stiff red/gray clay was separated and included in the clay composite sample (RPR4-Clay-COMP).

RPR4-B – Refusal was encountered above the project depth due to stiff red/gray clay. One core was collected to determine the elevation of the clay layer, then a grab sampler was used to collect the rest of the volume needed due to the shallow depth (<2 feet) of overlying material. The stiff red/gray clay was separated and included in the clay composite sample (RPR4-Clay-COMP).

RPR4-C – Refusal was encountered above the project depth due to stiff red/gray clay. One core was collected to determine the elevation of the clay layer, then a grab sampler was used to collect the rest of the volume needed due to the shallow depth (<2 feet) of overlying material. The stiff red/gray clay was separated and included in the clay composite sample (RPR4-Clay-COMP).

RPR4-D – Three cores were collected at the target station. Refusal was encountered above the project depth due to stiff red/gray clay. The stiff red/gray clay was separated and included in the clay composite sample (RPR4-Clay-COMP).

RPR4-E – Two cores were collected at the target station. Refusal was encountered above the project depth due to stiff red/gray clay. The stiff red/gray clay was separated and included in the clay composite sample (RPR4-Clay-COMP).

Reach 5 Summary:
Stations A and B were sampled from the *Good Vibrations* vessel. Due to the shallow water depth, Athena's smaller sampling platform was used to reach the other three stations farthest upstream. One core each was collected at stations A, B, C, and E. Due to the shallow depth (<2 feet) of overlying material, a grab sampler was used at stations A, B, and C to collect the rest of the volume needed for the overlying composite sample. A core sample could not be collected at station D due to a gravel bar that extended across the channel; therefore, a grab sampler was used to collect the sample. A clay composite sample was collected for this reach for physical and chemical analysis (RPR5-Clay-COMP).

RPR5-A – Refusal was encountered above the project depth due to stiff red/gray clay. One core was collected to determine the elevation of the clay layer, then a grab sampler was used to collect the rest of the volume needed due to the shallow depth (<2 feet) of overlying material. The stiff red/gray clay was separated and included in the clay composite sample (RPR5-Clay-COMP).

RPR5-B – Refusal was encountered above the project depth due to stiff red/gray clay. One core was collected to determine the elevation of the clay layer, then a grab sampler was used to collect the rest of the volume needed due to the shallow depth (<2 feet) of overlying material. The stiff red/gray clay was separated and included in the clay composite sample (RPR5-Clay-COMP).

RPR5-C – This station was sampled using the smaller sampling platform. Refusal was encountered above project depth due to stiff red/gray clay. One core was collected to determine the elevation of the clay layer, then a grab sampler was used to collect the rest of the volume needed due to the shallow depth (<2 feet) of overlying material. The stiff red/gray clay was separated and included in the clay composite sample (RPR5-Clay-COMP).

RPR5-D – This station was sampled using the smaller sampling platform. Several cores were attempted across the channel, but refusal was encountered at the surface due to a gravel bar. A grab sampler was used to collect the sample at this station.

RPR5-E – This station was sampled using the smaller sampling platform. One core was collected at the target station. Project depth was reached at this station; a stiff red/gray clay layer was not encountered.

3.2 Physical Testing Data

Grain size distribution and total solids were analyzed in project composite samples, subsamples, individual clay/native material samples, and the reference sample. Bulk density, specific gravity, and Atterberg limits were also analyzed for the composite samples. Results are presented in Tables 3 and 4.

Reach 1

The composite sample from Reach A was composed primarily of sand (61.6%). Subsamples RPR1-A, D, and E were composed primarily of sand (56.9% to 84.9%). Subsamples B and C were composed primarily of silt and clay ranging from 55.0% to 55.8%. Exhibit 3-1 shows a bar graph of the grain size results. Complete results are presented in Tables 3 and 4.

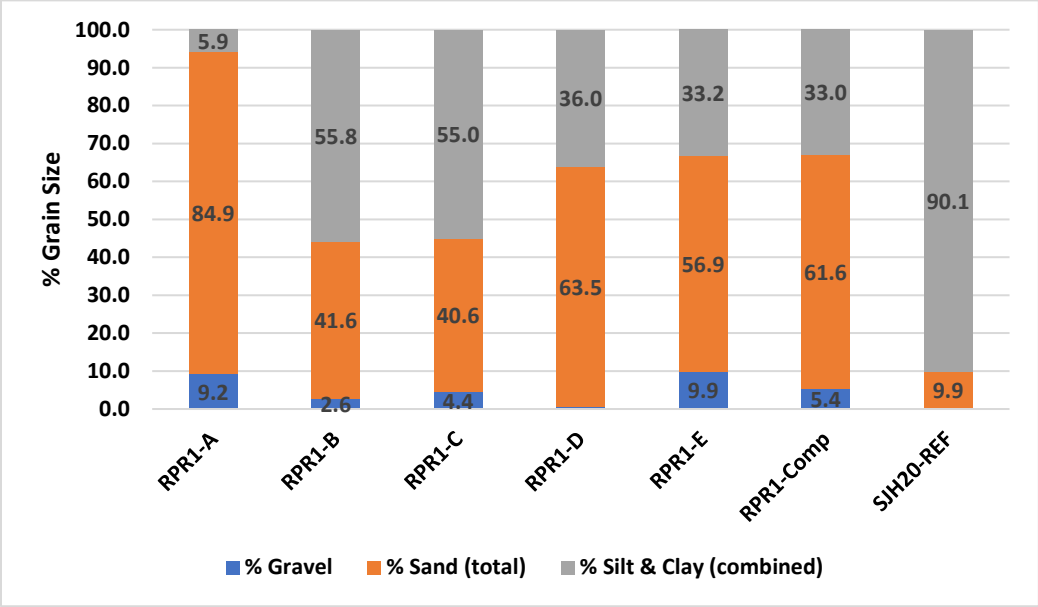


Exhibit 3-1. Grain Size Distribution for Reach 1

Reach 2

All subsamples and the composite sample from Reach 2 were composed primarily of sand ranging from 56.3% to 67.4%. Exhibit 3-2 shows a bar graph of the grain size results. Complete results are presented in Tables 3 and 4.

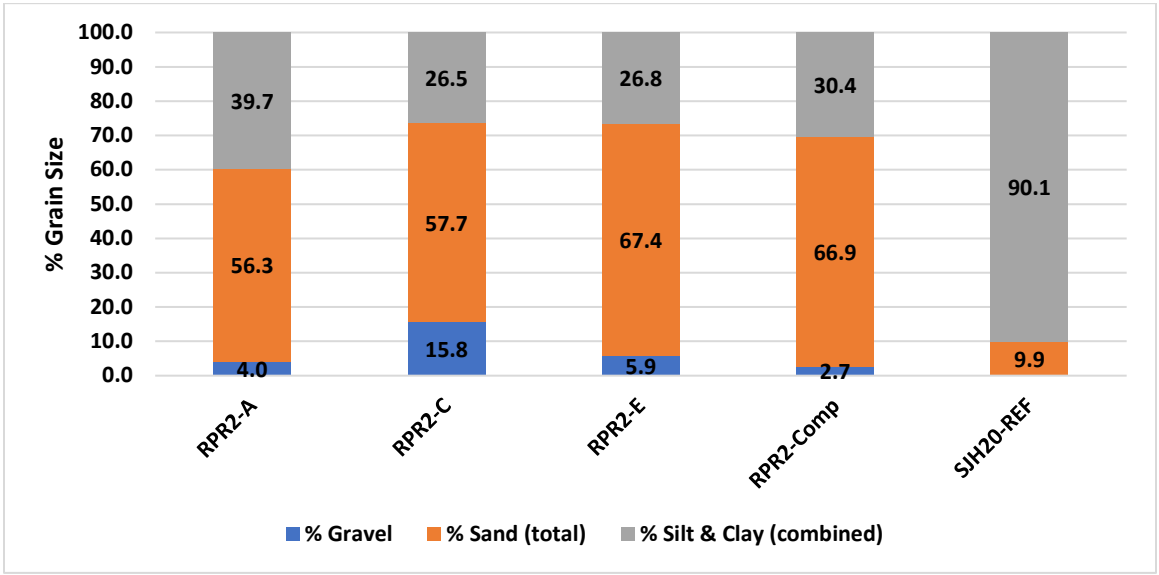


Exhibit 3-2. Grain Size Distribution for Reach 2

Reach 3

With the exception of subsample RPR3-A, all subsamples and the composite sample from the Reach 3 were composed primarily of sand ranging from 47.2% to 83.9%. RPR3-A was composed primarily of silt and clay (58.7%). Exhibit 3-3 shows a bar graph of the grain size results. Complete results are presented in Tables 3 and 4.

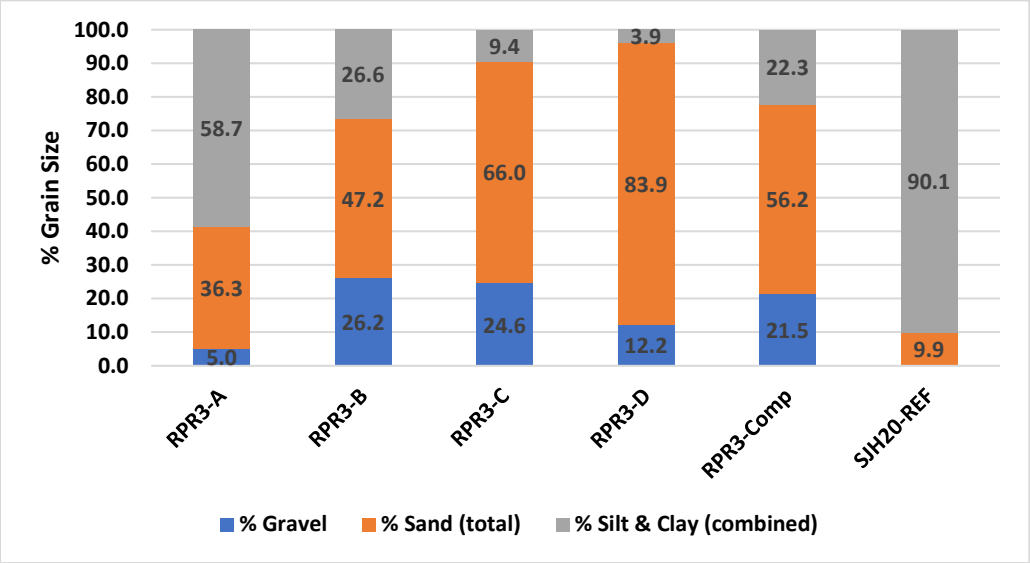


Exhibit 3-3. Grain Size Distribution for Reach 3

Bridge Cut

The composite sample from Bridge Cut was composed primarily of sand (48.2%) with 36.1% silt and clay and 15.7% gravel. RBC1-A and RBC1-B were composed of a nearly even mixture of silt and clay (46.1% to 51.1%) and sand (40.1% to 43.4%). Subsample RBC1-C was composed primarily of sand (84.7%). Exhibit 3-4 shows a bar graph of the grain size results. Complete results are presented in Tables 3 and 4.

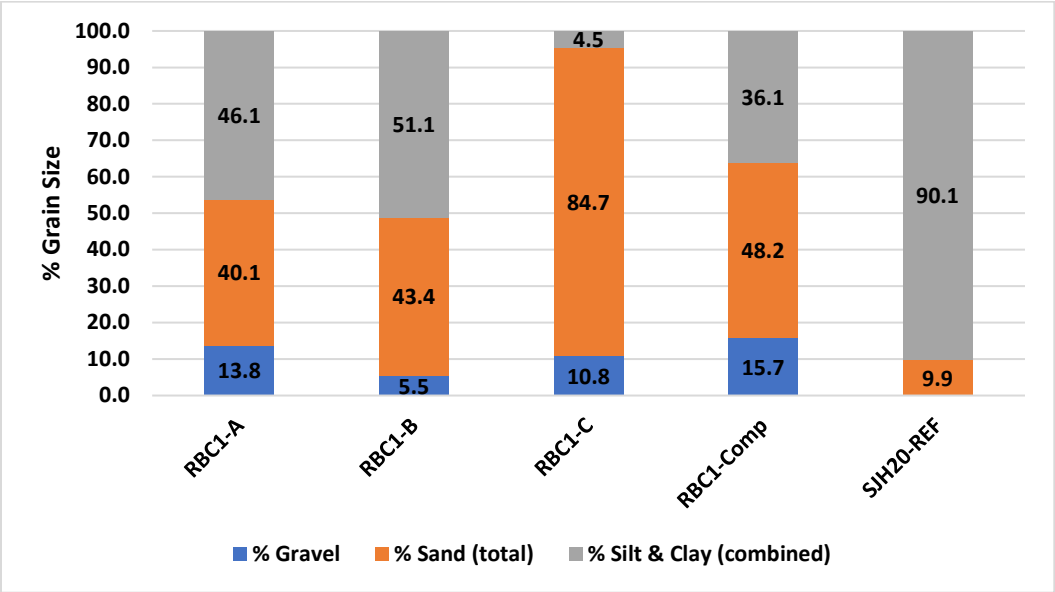


Exhibit 3-4. Grain Size Distribution for the Bridge Cut

Reach 4

All subsamples and the composite sample from Reach 4 were composed of a mixture of sand ranging from 34.2% to 60.7% and gravel ranging from 12.8% to 65.4%. Exhibit 3-5 shows a bar graph of the grain size results. Complete results are presented in Tables 3 and 4.

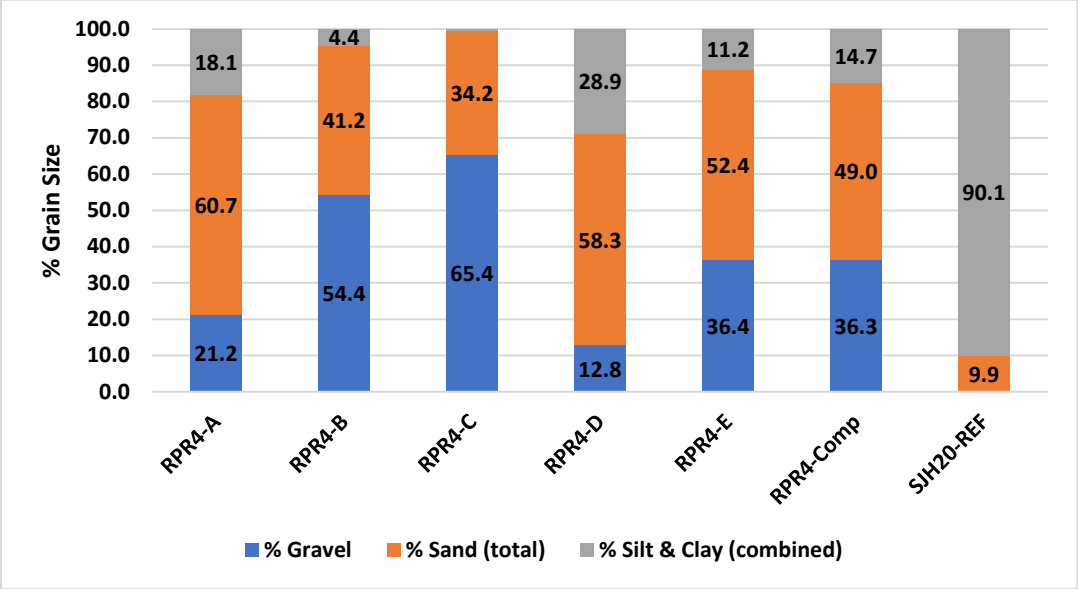


Exhibit 3-5. Grain Size Distribution for Reach 4

Reach 5

All subsamples and the composite sample from Reach 5 were composed of a mixture of sand ranging from 31.8% to 63.3% and gravel ranging from 27.7% to 67.8%. Exhibit 3-6 shows a bar graph of the grain size results. Complete results are presented in Tables 3 and 4.

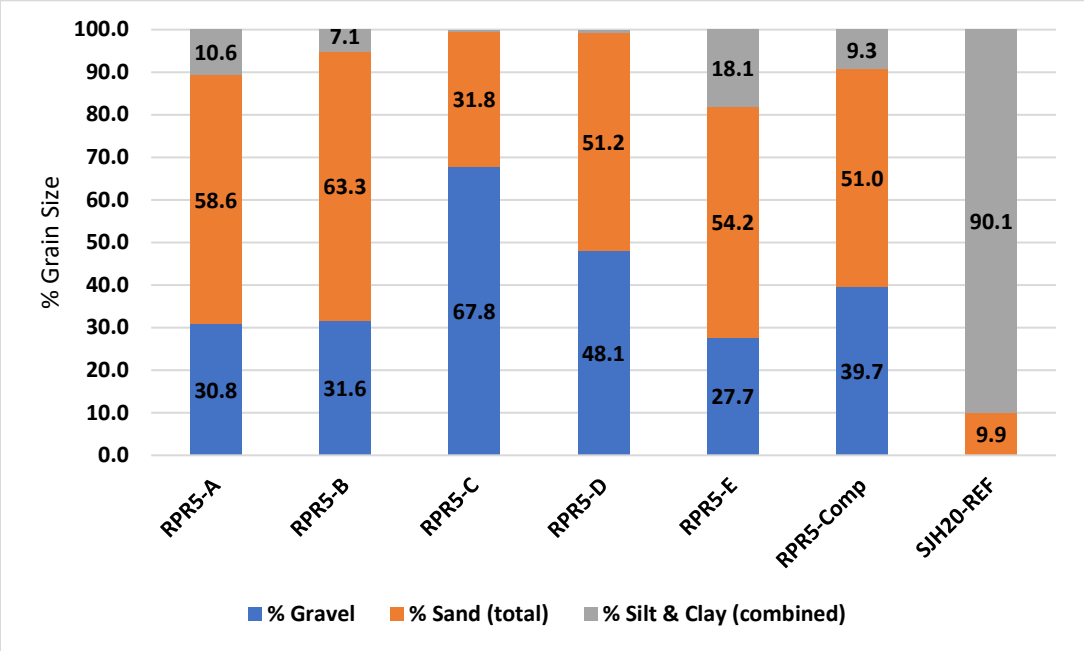


Exhibit 3-6. Grain Size Distribution for Reach 5

All Composite Samples

All composite samples from the entire project area were primarily composed of sand ranging from 48.2% to 66.9%. The general trend was that the percent of sand/gravel increased from downstream (RPR-1) to upstream (RPR-5). Exhibit 3-7 shows a bar graph of the grain size results. Complete results are presented in Tables 3 and 4.

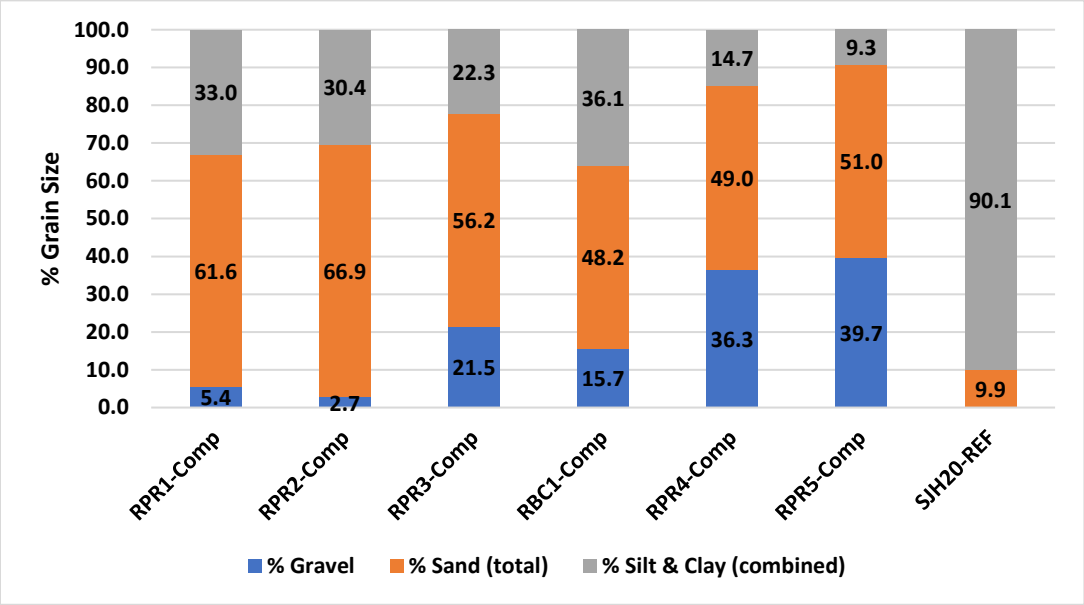


Exhibit 3-7. Grain Size Distribution for All Composite Samples

Individual Clay/Native Material Samples

Composite samples of stiff clay or material representative of native/new work material were collected at five of the six dredging units. Percent silt and clay ranged from 49.7% to 84.5%. Exhibit 3-8 shows a bar graph of the grain size results. Complete results are presented in Table 4.

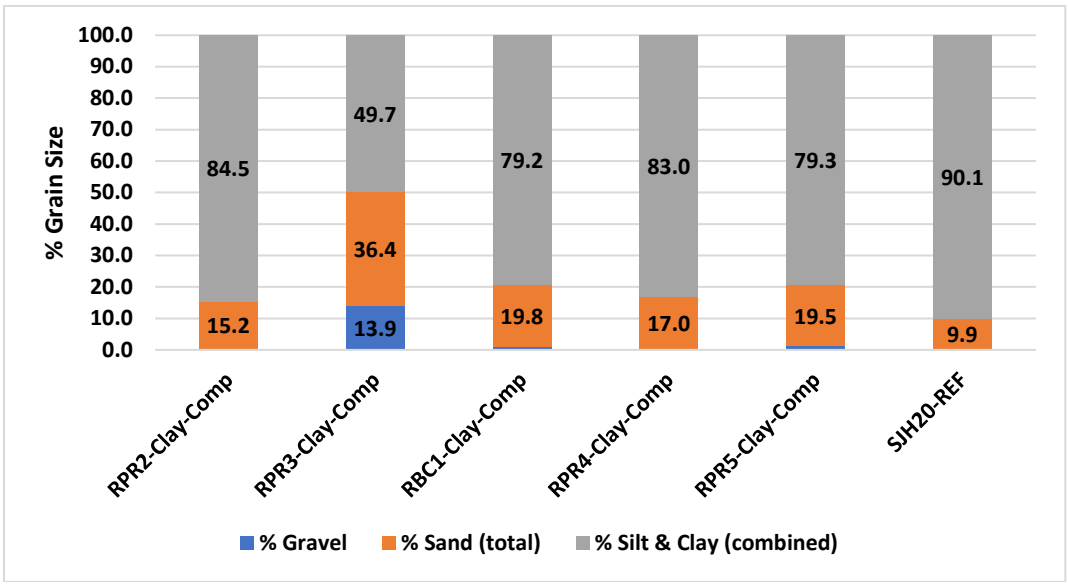


Exhibit 3-8. Grain Size Distribution from Subsamples of Clay/Native Material

3.3 Sediment Chemistry

Sediment composites, clay/native material samples, and the reference (SJH20-REF) were analyzed for total solids, TOC, metals, pesticides, PAHs, and PCBs. The subsamples were also analyzed for total solids and TOC. Analytical results for sediment chemistry are presented in Tables 5 through 10. Analytical results were compared to the published sediment screening criteria TEL and ERL from Buchman (2008). Complete sediment chemistry results are in Appendix D.

3.3.1 Total Solids and TOC

Complete analytical results for total solids and TOC are presented in Tables 5 and 6.

Composites and Subsamples
RPR1-COMP composite and subsamples had percent total solids that ranged from 69.46% to 83.24% and TOC concentrations that ranged from 0.15% to 0.65%.

RPR2-COMP composite and subsamples had percent total solids that ranged from 73.76% to 76.34% and TOC concentrations that ranged from 0.21% to 0.38%.

RPR3-COMP composite and subsamples had percent total solids that ranged from 72.93% to 86.10% and TOC concentrations that ranged from 0.19% to 0.50%.

RCB1-COMP composite and subsamples had percent total solids that ranged from 66.55% to 86.93% and TOC concentrations that ranged from 0.21% to 1.02%.

RPR4-COMP composite and subsamples had percent total solids that ranged from 78.60% to 92.09% and TOC concentrations that ranged from 0.08% to 0.47%.

RPR5-COMP composite and subsamples had percent total solids that ranged from 78.89% to 91.91% and TOC concentrations that ranged from 0.08% to 0.39%.

Clay/Native Material Samples
The clay/native material samples had percent total solids that ranged from 68.74% to 79.67% and TOC concentrations that ranged from 0.10% to 0.33%.

Reference
The reference sample (SJH20-REF) had 53.83% total solids and 0.90% TOC.

3.3.2 Metals

All nine metals analyzed were detected in concentrations above the MDL in all of the project composite samples. With the exception of cadmium, all other metals analyzed were also detected in concentrations above the MDL in the reference and the individual clay/native material subsamples. Exhibit 3-9 summarizes the analytical results for metals in sediment compared to the TEL and ERL. Complete results are provided in Table 7.

Composite Samples
In all six composite samples, copper was detected in concentrations that exceeded the TEL and ERL. RPR2-COMP had a concentration of lead that exceeded the TEL and ERL. RPR1-COMP, RPR2-COMP, and RPR5-COMP had concentrations of nickel that exceeded the TEL.

Clay/Native Material Samples
RBC1-Clay-COMP and RPR5-Clay-COMP had concentrations of arsenic that exceeded the TEL and ERL. In all five clay composite samples, copper was detected in concentrations that exceeded the TEL and ERL. RPR2-Clay-COMP and RPR5-Clay-COMP had concentrations of nickel that exceeded the TEL and (or) ERL.

Reference
The reference sample (SJH20-REF) had concentrations of arsenic, copper, and nickel that exceeded the TEL and the ERL.

3.3.3 Pesticides

Three of the 15 pesticides tested [p,p' (4,4')-DDD; o,p' (2,4')-DDE; and p,p' (4,4')-DDE] were detected above the MDL (J-qualified or greater) in one or more samples. For dieldrin, no results were greater than the MDL (U-qualified) but the MDL (0.11 µg/kg) exceeded the ERL of 0.02 µg/kg for all samples. However, the MDL for dieldrin was below the EPA Region 2 target detection limit of 1 µg/kg in Table 13-2 of the SAP/QAPP (Appendix A). The MDLs and MRLs for all pesticides met the EPA Region 2 target detection limit of 1 µg/kg. Results are summarized below, and complete results are provided in Table 8.

Composite Samples
RPR1-COMP, RPR2-COMP, RPR3-COMP, and RBC1-COMP had concentrations of p,p' (4,4')-DDD that were greater than the MDL, and the RBC1-COMP concentration exceeded the ERL and TEL. RPR1-COMP, RPR2-COMP, and RBC1-COMP had concentrations of p,p' (4,4')-DDE that were greater than the MRL and exceeded the ERL and TEL. o,p' (2,4')-DDE was detected in RBC1-COMP in a concentration above the MDL and MRL but did not exceed the TEL or ERL. No other pesticides were detected in concentrations greater than the MDLs (U-qualified).

Clay/Native Material Samples
RBC1-Clay-COMP had concentrations of p,p' (4,4')-DDD and p,p' (4,4')-DDE that were greater than the MDL (J-qualified), but did not exceed the ERL and TEL. No other pesticides were detected in concentrations greater than the MDLs (U-qualified).

Reference
None of the pesticides were detected in concentrations greater than the MDL in the reference (SJH20-REF); all results were U-qualified.

Exhibit 3-9. Summary of Analytical Results for Metals in Sediment Composites and Clay/Native Material Subsamples

Analyte	Concentration (mg/kg)												
	Sample ID												
		Composite Samples						Clay/Native Subsamples-					
	SJH20-REF	RPR1-COMP	RPR2-COMP	RPR3-COMP	RBC1-COMP	RPR4-COMP	RPR5-COMP	RPR2-Clay-COMP	RPR3-Clay-COMP	RBC1-Clay-COMP	RPR4-Clay-COMP	RPR5-Clay-COMP	TEL	ERL
Arsenic	**13.6**	4.99	4.69	4.82	4.63	4.09	3.96	2.85	4.57	**8.70**	2.88	**13.5**	7.24	8.2
Cadmium	ND	0.12	0.10	0.04	0.12	0.07	0.05	ND	ND	ND	0.07	ND	0.676	1.2
Chromium	46.4	24.7	23.2	13.0	18.5	15.2	19.2	26.7	21.5	18.8	21.0	24.9	52.3	81
Copper	**63.8**	**69.4**	**53.6**	**42.2**	**60.3**	**47.2**	**52.3**	**74.9**	**67.8**	**78.4**	**69.4**	**80.0**	18.7	34
Lead	16.3	16.9	**211**	6.07	13.0	14.5	8.16	7.21	6.64	9.55	7.62	8.72	30.24	46.7
Mercury	0.116	0.0661	0.0880	0.0550	0.122	0.0575	0.0393	0.0559	0.0431	0.0946	0.0794	0.0357	0.13	0.15
Nickel	**29.3**	**18.0**	**16.3**	11.4	15.6	15.7	**19.3**	**17.6**	14.0	12.0	13.5	**24.6**	15.9	20.9
Silver	0.11	0.13	0.14	0.06	0.40	0.08	0.06	0.08	0.06	0.08	0.09	0.04	0.73	1
Zinc	73.9	91.2	85.2	71.5	89.4	82.1	81.2	76.8	74.0	66.1	68.7	94.4	124	150

Bolded values exceed the TEL and/or ERL.

Non-detect (ND) = The analyte was not detected at or above the MDL.

x = No TEL or ERL published for that parameter.

See Table 9 for complete results.

3.3.4 PAHs

All 16 PAH analytes tested were detected above the MDL (J-qualified or greater) in one or more composites or subsamples. Composites RPR1-COMP and RPR5-COMP had concentrations of four PAH analytes and total high molecular weight (HMW) PAHs that exceeded the applicable TEL. The MDLs and MRLs met the EPA Region 2 target detection limit of 100 µg/kg. Results per reach are summarized below and in Exhibit 3-10. Complete results are provided in Table 9.

Composite Samples
In each of the composites tested, at least 12 PAH analytes were detected in concentrations greater than the MDL (J-qualified) or MRL. In RPR1-COMP and RPR5-COMP, benzo(a)anthracene, dibenzo(a,h)anthracene, fluoranthene, and total HMW PAH concentrations exceeded the TEL.

Clay/Native Material Samples
In each of the clay composite samples, up to 12 PAH analytes were detected in concentrations greater than the MDL (J-qualified) or MRL. None of the results exceeded the TEL or ERL.

Reference
All PAH analytes tested were detected in concentrations greater than the MDL (J-qualified) in the reference (SJH20-REF). None of the results exceeded the TEL or ERL.

3.3.5 PCBs

Composites RPR1-COMP and RBC1-COMP had 4 to 12 PCB congeners each that were detected above the MDL. In all the other samples, none of the 22 PCB congeners were detected in concentrations greater than the MDL (U-qualified). All composites, subsamples, and the reference had total EPA Region 2 PCB concentrations that exceeded the applicable TEL and (or) ERL. The MDLs met the EPA Region 2 target detection limit of 1 µg/kg for all samples. The MRLs for all samples were elevated above the EPA Region 2 target detection limit of 1 µg/kg, however the laboratory MDLs met the Region 2 target detection limits. Complete results are provided in Table 10.

Composite Samples
In sample RPR1-COMP, eight of the 22 PCB congeners were detected in concentrations greater than the MDL (J-qualified) and four PCB congeners (PCB-18, 138, 153 and 180) were detected in concentrations greater than the MRL. In sample RBC1-COMP, 4 of the 22 PCB congeners were detected in concentrations greater than the MDL (J-qualified). No other composite had PCB congeners detected in concentrations greater than the MDL (U-qualified). All composites had total EPA Region 2 PCB concentrations that exceeded the TEL and (or) ERL.

Clay/Native Material Samples
No clay composite sample had PCB congeners detected in concentrations greater than the MDL (U-qualified). All clay composite samples had total EPA Region 2 PCB concentrations that exceeded the TEL.

Reference
None of the 22 PCB congeners were detected in concentrations greater than the MDL (U-qualified) in the reference (SJH20-REF). The reference sample had total EPA Region 2 PCB concentrations that exceeded the TEL.

Exhibit 3-10. Summary of Analytical Results for PAHs in Sediment Composites and Clay/Native Material Subsamples

Analyte	Concentration (mg/kg)													
	Sample ID													
		Composite Samples						Clay/Native Subsamples-						
	SJH20-REF	RPR1-COMP	RPR2-COMP	RPR3-COMP	RBC1-COMP	RPR4-COMP	RPR5-COMP	RPR2-Clay-COMP	RPR3-Clay-COMP	RBC1-Clay-COMP	RPR4-Clay-COMP	RPR5-Clay-COMP	TEL	ERL
Acenaphthene	1.61	5.25	0.69	1.32	2.07	0.66	5.70	ND	ND	ND	ND	ND	6.71	16
Acenaphthylene	3.60	2.18	ND	ND	1.30	ND	ND	ND	ND	ND	ND	ND	5.87	44
Anthracene	3.74	8.32	1.01	ND	2.93	ND	33.7	ND	ND	ND	ND	ND	46.9	85.3
Benzo(a)anthracene	15.8	**79.4**	3.78	1.89	7.27	4.03	**101**	0.92	ND	ND	ND	ND	74.8	261
Benzo(a)pyrene	17.8	63.0	4.42	0.63	6.85	3.00	83.5	1.59	ND	ND	ND	1.67	88.8	430
Benzo(b)fluoranthene	12.2	65.7	6.41	2.66	9.14	5.60	70.3	1.49	ND	ND	ND	ND	x	x
Benzo(g,h,i)perylene	22.5	44.5	11.0	5.81	12.4	13.7	57.5	1.24	1.81	ND	1.53	2.88	x	x
Benzo(k)fluoranthene	7.31	34.8	2.63	0.93	3.99	2.09	40.3	0.81	ND	0.77	ND	0.86	x	x
Chrysene	15.6	75.0	7.62	2.74	10.2	6.89	93.2	1.40	ND	ND	ND	1.26	108	384
Dibenzo(a,h)anthracene	3.61	**13.8**	1.62	2.36	2.46	ND	**18.0**	1.07	ND	1.04	ND	ND	6.22	63.4
Fluoranthene	21.5	**129**	6.93	2.74	18.6	6.73	**169**	1.79	ND	1.32	0.56	1.38	113	600
Fluorene	2.76	7.04	2.13	0.96	2.80	1.85	7.55	ND	ND	ND	ND	ND	21.2	19
Indeno(1,2,3-cd)pyrene	13.7	41.8	5.36	1.90	6.88	3.81	53.3	3.13	ND	1.38	ND	ND	x	x
Naphthalene	4.75	2.24	ND	ND	1.81	ND	ND	1.32	ND	ND	ND	ND	34.6	160
Phenanthrene	15.4	17.8	3.01	2.01	9.19	2.45	62.0	1.02	ND	0.72	ND	ND	86.7	240
Pyrene	29.1	108	10.8	3.88	18.4	11.4	136	1.82	ND	1.59	0.80	1.72	153	665
Total LMW PAHs	31.9	42.8	9.19	7.47	20.1	8.14	111	5.49	5.01	5.14	5.14	5.14	312	552
Total HMW PAHs	159	**655**	60.6	25.5	96.2	58.1	**822**	15.3	9.26	11.0	9.44	13.9	655	1700
Total PAHs	191	698	69.8	33.0	116	66.3	933	20.8	14.3	16.1	14.6	19.0	1684	4022

Bolded values exceed the TEL and/or ERL.

Non-detect (ND) = The analyte was not detected at or above the MDL.

x = No TEL or ERL published for that parameter.

HMW = high molecular weight, LMW = low molecular weight

See Table 9 for complete results.

3.4 Elutriate and Water Chemistry

Analytical results for metals, pesticides, and PCBs in site water (SJH20-SW), reference water (SJH20-REF-SW), and elutriates generated from the project composites are presented in Tables 11 through 13. Results for elutriate and water samples are compared to the CMC from EPA (2006, 2015). The water and elutriate chemistry laboratory case narrative and data are in Appendix D.

3.4.1 Metals

None of the nine metals analyzed were detected in concentrations greater than the CMC in any elutriate or water sample. All metals except mercury and silver were detected in concentrations greater than the MDL in all elutriate samples. All MDLs were below target reporting limits in the SAP/QAPP and below applicable CMCs. Complete results are in Table 11.

3.4.2 Pesticides

None of the 15 pesticides analyzed were detected in concentrations greater than the CMC in any elutriate or water sample. None of the 15 pesticides analyzed were detected in concentrations above the MDL in any elutriate or site water sample (U-qualified). All MDLs were below target reporting limits in the SAP/QAPP and below applicable CMCs. Complete results are in Table 12.

3.4.3 PCBs

None of the 22 PCB congeners analyzed were detected in concentrations above the MDL in any elutriate or site water samples (U-qualified). There are no CMCs for the PCB congeners tested. Total EPA Region 2 PCB concentrations were 0.044 ng/L for all elutriate and site water samples. All MDLs/MRLs were below target reporting limits in the SAP/QAPP. Complete results are in Table 13.

3.5 Benthic Bioassays

The benthic tests were performed with *Americamysis bahia* and *Ampelisca abdita.* The complete toxicity testing report by EcoAnalysts (2021) is in Appendix G.

3.5.1 *Ampelisca abdita*

The 10-day benthic test with *A. abdita* was initiated on December 1, 2020, and was validated by 96% mean survival in the control sediment, meeting the acceptability criterion of ≥90% survival. Mean survival for the project sediment composites ranged from 75% to 87%. Survival in the test samples RPR1-COMP, RPR3-COMP, and RBC1-COMP was statistically different from that of the reference (SJH20-REF). Mean percent survival for all samples was within 20% of the reference (90%), indicating that the test composites met the LPC for disposal. Mean survival results are summarized in Exhibit 3-11.

Water quality parameters, ammonia concentrations, and other test conditions are summarized in Tables 3-2 through 3-4 of the toxicity report by EcoAnalysts (2021) in Appendix G. A summary table of *A. abdita* survival in each replicate and the raw data bench sheets are provided in Appendix A.1 of the toxicity testing report (Appendix G).

Exhibit 3-11. Summary of Survival Data for the 10-Day Benthic Test with *Ampelisca abdita*

Sample ID	Mean Survival (% ± SD)	Statistically Significantly Less Than Reference?	Meets LPC Criteria (mean % survival within 20% of Reference?)
Control	96 (± 4.2)		
SJH20-REF (reference)	90 (± 6.1)		
RPR1-COMP	75 (± 11.2)	Yes	Yes
RPR2-COMP	78 (± 13.0)	No	Yes
RPR3-COMP	78 (± 2.7)	Yes	Yes
RBC1-COMP	81 (± 6.5)	Yes	Yes
RPR4-COMP	87 (± 2.7)	No	Yes
RPR5-COMP	83 (± 9.7)	No	Yes

SD = standard deviation
Source: Table 3-1 of EcoAnalysts (2021)

3.5.2 *Americamysis bahia*

The 10-day benthic test with *A. bahia* was initiated on December 8, 2020, and was validated by 90% survival in the control, meeting the acceptability criterion of ≥90%. Mean survival within the *A. bahia* benthic test ranged from 90% to 96% in the test sediments and was not statistically different from that of the reference (SJH20-REF). Mean percent survival for all samples was within 10% of the reference (94%), indicating that the test composites met the LPC for disposal. Mean survival results for all samples are summarized in Exhibit 3-12.

Water quality parameters, ammonia concentrations, and other test conditions are summarized in Tables 3-6 through 3-8 of the toxicity report by EcoAnalysts (2021) in Appendix G. A summary table of survival in each replicate and the raw data bench sheets are provided in Appendix A.2 of the toxicity testing report (Appendix G).

Exhibit 3-12. Summary of Survival Data for the 10-Day Benthic Test with *Americamysis bahia*

Sample ID	Mean Survival (% ± SD)	Statistically Significantly Less Than Reference?	Meets LPC Criteria (mean % survival within 10% of Reference?)
Control	90 (± 3.5)		
SJH20-REF (reference)	94 (± 5.5)		
RPR1-COMP	96 (± 4.2)	No	Yes
RPR2-COMP	90 (± 5.0)	No	Yes
RPR3-COMP	94 (± 4.2)	No	Yes
RBC1-COMP	90 (± 3.5)	No	Yes
RPR4-COMP	94 (± 8.2)	No	Yes
RPR5-COMP	91 (± 4.2)	No	Yes

SD = standard deviation; Source: Table 3-5 of EcoAnalysts (2021)

3.6 Water Column Bioassays

Water column tests were performed with the mysid crustacean *Americamysis bahia* (opossum shrimp), the atherinoid fish *Menidia beryllina* (inland silverside), and the larval life stage of the bivalve mollusk *Mytilus galloprovincialis* (Mediterranean mussel). The complete toxicity testing report by EcoAnalysts (2021) is in Appendix G.

3.6.1 *Americamysis bahia*

The 96-hour water column tests with *A. bahia* were initiated on December 14, 2020. The mean survival rate in the control treatment was 98%, meeting the acceptability criterion of ≥90% survival. Mean survival in the site water sample was 100%, indicating that the site water was acceptable for testing. Mean survival in the artificial salt control was 94%. This was not statistically different than survival in the control, indicating that the addition of artificial salts did not cause any detrimental effects.

Mean percent survival in the 100% elutriate concentration was ≥97% for the sediment composites. The estimated LC_{50} values were >100%. Statistical comparison of the 100% test concentrations to the control survival resulted in no significant difference. The mean survivorship data are summarized in Exhibit 3-13.

Water quality measurements, ammonia concentrations, and test conditions are in Tables 3-10 through 3-12 of the toxicity testing report (Appendix G). A summary table of survival in each replicate and the raw data bench sheets are in Appendix A.3 of the toxicity testing report (Appendix G).

Exhibit 3-13. Summary of Survival Data for Water Column Tests Using *Americamysis bahia*

Sample ID	Concentration (%)	Mean Survival (% ± SD)	Statistically Significantly Less Than Control?	LC_{50} (%)
Control		98 (± 4.5)		
Salt Control		94 (± 10.8)	No	
RPR-SW (site water)		100 (± 0.0)	No	
RPR1-COMP	100	99 (± 2.2)	No	>100
RPR2-COMP	100	99 (± 2.2)	No	>100
RPR3-COMP	100	97 (± 4.5)	No	>100
RBC1-COMP	100	98 (± 2.7)	No	>100
RPR4-COMP	100	97 (± 2.7)	No	>100
RPR5-COMP	100	99 (± 2.2)	No	>100

SD = standard deviation

Source: Table 3-9 of EcoAnalysts (2021)

3.6.2 *Menidia beryllina*

The water column test with *M. beryllina* was initiated December 17, 2020, and was validated by 98% mean survival in the control, meeting the acceptability criterion of ≥90%. Mean percent survival in the site water sample was 98%, indicating that it was acceptable for testing.

Mean percent survival in the 100% elutriate concentration ranged from 97% to 100%. The estimated LC_{50} values were >100% for the test composites. Statistical comparison of the test treatments to the control survival resulted in no significant difference. Replicate 4 of RPR-1 COMP 100% and replicate 4 of RBC1-COMP 100% were initiated with 15 instead of 20 individual organisms. The statistics were adjusted accordingly. The mean survivorship data for all samples are summarized in Exhibit 3-14.

Water quality parameters, ammonia concentrations, and other test conditions are summarized in Tables 3-14 through 3-16 of the toxicity report by EcoAnalysts (2021) in Appendix G. A summary table of survival in each replicate and the raw data bench sheets are provided in Appendix A.4 of the toxicity testing report (Appendix G).

Exhibit 3-14. Summary of Survival Data for Water Column Tests Using *Menidia beryllina*

Sample ID	Concentration (%)	Mean Survival (% ± SD)	Statistically Significantly Less Than Control?	LC_{50} (%)
Control		98 (± 2.7)		
Salt Control		99 (± 2.2)	No	
RPR-SW (site water)		98 (± 2.7)	No	
RPR1-COMP	100	97 (± 3.1)	No	>100
RPR2-COMP	100	99 (± 2.2)	No	>100
RPR3-COMP	100	100 (± 0.0)	No	>100
RBC1-COMP	100	98 (± 2.7)	No	>100
RPR4-COMP	100	99 (± 2.2)	No	>100
RPR5-COMP	100	99 (± 2.2)	No	>100

SD = standard deviation

Source: Table 3-13 of EcoAnalysts (2021)

3.6.3 *Mytilus galloprovincialis*

The water column test with larval *M. galloprovincialis* was initiated on December 8, 2020, and resulted in 100% normal development (proportion normal) and 100% survival (proportion survival) in the control, meeting the recommended criteria of ≥60% proportion normal and ≥90% proportion survival. Mean survival in the site water was 100%. The response observed in the site water sample was not statistically different than in the control, indicating that this material was suitable for testing and should not have contributed to any potential reduced biological response observed in the elutriate preparations. Control acceptability results are summarized in Exhibit 3-15. Mean combined normal development and mean survival results for all samples are summarized in Exhibits 3-16 and 3-17.

Water quality parameters, ammonia concentrations, and other test conditions are summarized in Tables 3-20 through 3-22 of the toxicity report by EcoAnalysts (2021) in Appendix G. All water quality parameters were within the target limits throughout the duration of the 48-hour test, apart from salinity. At 25 ppt, salinity was measured below the targeted range of 30 ± 3 ppt in sample RPR5-COMP; this was likely due to low porewater salinity in this sample. There was a significant amount of debris in one replicate of the control, two replicates of the 10% concentration of RPR1-COMP, one replicate of the 1% concentration of RPR2-COMP, two replicates of the 10% concentrations of RPR3-COMP, and one replicate of the 50% concentration of RPR3-COMP, which was indicative of vial contamination. These replicates were removed from statistical analysis. A summary table of survival in each replicate and the raw data bench sheets are provided in Appendix A.5 of the toxicity testing report (Appendix G).

The estimated EC_{50} value for mean proportion normal and proportion survival was >100% for all test sediments except RPR5-COMP, which had an EC_{50} of 34.9%. Statistical comparison of the sample results to that of the control resulted in significant differences for RPR4-COMP 100%, RPR5-COMP 50% and 100%, and RBC1-COMP 100% concentrations.

Exhibit 3-15. *Mytilus galloprovincialis* Control Acceptability Results

Treatment	Mean Proportion Survival (%) ≥90%	Mean Combined Normal Development * (%) ≥60%	Meets Acceptability Criteria?
Control	100	100	Yes

* Calculated as the total number of normally and abnormally developed embryos ÷ number of embryos stocked (stocking density).

Source: Table 3-17 of EcoAnalysts (2021)

Exhibit 3-16. Mean Combined Normal Development Summary for *M. galloprovincialis*

Sample ID	Concentration (%)	Mean Combined Normal Development * (% ± SD)	Statistically Significantly Less Than Control?	EC_{50} (%)
Control		100.0 (± 0.0)		
RPR-SW (site water)		97.4 (± 4.2)	No	
RPR1-COMP	100	96.4 (± 5.0)	No	>100
RPR2-COMP	100	96.5 (± 4.9)	No	>100
RPR3-COMP	100	97.7 (± 4.1)	No	>100
RBC1-COMP	100	92.6 (± 6.1)	Yes	>100
RPR4-COMP	100	90.3 (± 7.4)	Yes	>100
RPR5-COMP	100	0.0 (± 0.0)	Yes	34.9

* Calculated as the number of normally developed embryos that survived the duration of the test ÷ number of embryos stocked (stocking density).

SD = standard deviation

Source: Table 3-18 of EcoAnalysts (2021)

Exhibit 3-17. Proportion Survival Summary for *Mytilus galloprovincialis*

Sample ID	Concentration (%)	Mean Proportion Survival * (% ± SD)	Statistically Significantly Less Than Control?	LC_{50} (%)
Control		100.0 (± 0.0)		
RPR-SW (site water)		100.0 (± 0.0)	No	
RPR1-COMP	100	99.3 (± 1.3)	No	>100
RPR2-COMP	100	98.0 (± 2.9)	No	>100
RPR3-COMP	100	99.0 (± 2.2)	No	>100
RBC1-COMP	100	96.9 (± 5.2)	No	>100
RPR4-COMP	100	96.1 (± 5.9)	No	>100
RPR5-COMP	100	99.3 (± 1.7)	No	>100

* Calculated as the total number of normally and abnormally developed embryos ÷ number of embryos stocked (stocking density).

SD = standard deviation

Source: Table 3-19 of EcoAnalysts (2021)

3.7 Bioaccumulation Potential Tests

The 28-day bioaccumulation tests with *Macoma nasuta* and *Alitta virens* were initiated on December 9 and December 14, 2020, respectively. Mean survival in the control was 100% for *M. nasuta* and 96.1% for *A. virens*. Mean survival in the reference was 96.8% for *M. nasuta* and 96.0% for *A. virens*. Mean survival in the test composite was ≥93.6% for *M. nasuta* and ≥96.0% for *A. virens*. Mean survival results for all samples are summarized in Exhibit 3-18.

Water quality parameters and other test conditions are summarized for the two test species in Tables 3-24 through 3-27 of the toxicity report by EcoAnalysts (2020) in Appendix G. A summary table of survival in each replicate and the raw data bench sheets are provided in Appendices A.6 (for *M. nasuta*) and A.7 (for *A. virens*) of the toxicity testing report (Appendix G).

Exhibit 3-18. Summary of Survival Data for Bioaccumulation Potential Tests Using *Macoma nasuta* and *Alitta virens*

Sample ID	Mean Survival (% ± SD)	
	M. nasuta	***A. virens***
Control	100 (± 0.0)	96.1 (± 3.5)
SJH20-REF (reference)	96.8 (± 3.3)	96.0 (± 6.5)
RPR1-COMP	96.0 (± 4.9)	98.2 (± 2.5)
RPR2-COMP	99.2 (± 1.8)	98.0 (± 2.7)
RPR3-COMP	97.6 (± 3.6)	98.0 (± 2.7)
RBC1-COMP	96.8 (± 5.2)	97.0 (± 2.7)
RPR4-COMP	98.4 (± 2.2)	98.0 (± 2.7)
RPR5-COMP	93.6 (± 8.3)	96.0 (± 4.2)

SD = standard deviation

Source: Table 3-23 of EcoAnalysts (2021)

3.8 Toxicology Summary

Benthic Bioassays

Significant benthic toxicity, relative to the reference treatment, was observed in the *A. abdita* amphipod test for test samples RPR1-COMP, RPR3-COMP, and RBC1-COMP. No significant toxicity was observed in the *A. bahia* mysid test. Mean percent survival in the project composite samples was within the specific test criterion (20% of the reference: amphipod; 10% of the reference: mysid), indicating that the test treatments met the LPC for disposal for these tests.

Water Column Bioassay

No statistically significant toxicity was observed in the 100% elutriate concentrations for the *A. bahia* and *M. beryllina* tests. Statistically significant toxicity was observed in the *M. galloprovincialis* test for samples RPR4-COMP, RPR5-COMP, and RBC1-COMP; however, only RPR5-COMP had an EC_{50} of <100%, with an EC_{50} of 34.9% for mean normal survivorship.

Bioaccumulation Potential

No significant toxicity was observed in the bioaccumulation tests. Survival in the reference and test treatment was ≥93.6%, suggesting that adequate tissue mass was available for chemical analysis.

3.9 Tissue Chemistry

Tissue chemistry results for *M. nasuta* and *A. virens* are presented in Tables 14 through 31. Wet weight tissue chemistry results for the six project samples are compared to the reference (SJH20-REF) and to applicable FDA action levels from FDA (2001, 2011). The laboratory case narrative for tissue chemistry is provided in Appendix D. Complete results of statistical analyses and transformations for *M. nasuta* and *A. virens* are provided in Appendix F.

For dry weight tables, the laboratory's information management system is not currently able to provide both wet and dry weight concentrations. The results reported as dry weight (Tables 18, 19, 22, 23, 26, 27, 30, and 31) were calculated using the wet weight concentration and percent solids provided by the laboratory.

3.9.1 Lipids and Total Solids in Tissue

Total solids and lipids were analyzed in *M. nasuta* and *A. virens* tissues for the project samples along with the reference and pre-exposure tissues.

Macoma nasuta

Total solids ranged from 16.60% to 18.79% among the project samples, reference, and pre-exposure tissues. Lipids ranged from 0.84% to 2.5% among these samples. Complete results are in Table 14.

Alitta virens

Total solids ranged from 14.06% to 15.76% among the project samples, reference, and pre-exposure tissues. Lipids ranged from 2.1% to 3.6% among these samples. Complete results are in Table 15.

3.9.2 Metals in Tissue

Macoma nasuta

All nine metals tested were detected in concentrations greater than the MRL in the six project samples and the reference. Mean concentrations of arsenic, copper, lead, silver, and zinc in some of the project samples, as bolded in Exhibit 3-19, were statistically significantly greater than those of the reference. None of the mean concentrations of metals exceeded applicable FDA action levels.

Mean concentrations of metals in *M. nasuta* tissues are summarized in Exhibit 3-19. Complete results are in Tables 16 and 18 for wet weight and dry weight metals, respectively. Results of the ToxCalc statistical calculations are provided in Appendix F.

Exhibit 3-19. *Macoma nasuta* Tissue: Summary of Mean Wet Weight Metals Results

Analyte	Concentration (mg/kg)							
	Mean Concentration of Replicates							
	RPR1-COMP	RPR2-COMP	RPR3-COMP	RBC1-COMP	RPR4-COMP	RPR5-COMP	SJH20-REF (reference)	FDA Action Level
Arsenic	3.53	3.81	3.46	**4.01**	3.74	3.71	3.60	86
Cadmium	0.0378	0.0374	0.0383	0.0434	0.0342	0.0438	0.0381	4
Chromium	0.293	0.445	0.310	0.403	0.265	0.365	0.415	13
Copper	**5.43**	3.75	3.43	4.06	3.35	4.02	3.41	x
Lead	**0.335**	**0.408**	0.204	0.295	0.280	**0.358**	0.228	1.7
Mercury	0.00905	0.00850	0.00782	0.00844	0.00924	0.00866	0.0133	1
Nickel	0.371	0.383	0.371	0.429	0.368	0.406	0.450	80
Silver	0.0400	0.0390	0.0342	**0.0480**	0.0366	0.0408	0.0325	x
Zinc	14.9	15.0	12.7	**15.3**	12.5	15.1	13.4	x

x = No FDA action level is published for the given parameter.

Bolded values indicate that the mean concentration in project tissues was statistically significantly greater than in the reference tissues, and at least two replicate results were greater than the MDL.

See Table 16 for full results.

Alitta virens

All nine metals tested were detected in concentrations greater than the MRL in the six project samples and the reference. Mean concentrations of arsenic, cadmium, copper, mercury, nickel, and silver in some of the project samples, as bolded in Exhibit 3-20, were statistically significantly greater than those of the reference. None of the mean concentrations of metals exceeded applicable FDA action levels.

Mean concentrations of metals in *A. virens* tissues are summarized in Exhibit 3-20. Complete results are in Tables 17 and 19 for wet weight and dry weight metals, respectively. Results of the ToxCalc statistical calculations are provided in Appendix F.

Exhibit 3-20. *Alitta virens* Tissue: Summary of Mean Wet Weight Metals Results

Analyte	Concentration (mg/kg)							
	Mean Concentration of Replicates							
	RPR1-COMP	RPR2-COMP	RPR3-COMP	RBC1-COMP	RPR4-COMP	RPR5-COMP	SJH20-REF (reference)	FDA Action Level
Arsenic	**2.36**	**2.36**	2.18	2.18	2.01	2.09	2.02	76
Cadmium	**0.0393**	**0.0396**	**0.0339**	**0.0359**	**0.0322**	**0.0349**	0.0257	3
Chromium	0.259	0.274	0.244	0.265	0.192	0.312	0.191	12
Copper	**1.94**	1.68	2.06	1.45	1.40	**1.98**	1.47	x
Lead	0.1033	0.0947	0.0988	0.0817	0.0781	0.0964	0.119	1.5
Mercury	0.0192	0.0181	**0.0245**	**0.0247**	**0.0241**	**0.0239**	0.0187	1
Nickel	**0.165**	**0.155**	0.140	**0.155**	0.120	**0.146**	0.114	70
Silver	0.0062	0.0081	0.0074	**0.0206**	0.0086	0.0068	0.0123	x
Zinc	22.5	14.7	18.9	16.8	12.1	16.2	14.5	x

x = No FDA action level is published for the given parameter.

Bolded values indicate that the mean concentration in project tissues was statistically significantly greater than in the reference tissues, and at least two replicate results were greater than the MDL.

See Table 17 for full results.

3.9.3 Pesticides in Tissue

Fifteen pesticides were tested in *M. nasuta* and *A. virens* tissues from the project samples along with the reference and pre-exposure tissues.

Macoma nasuta

Two pesticides (4,4'-DDD and 4,4'-DDE) were detected in concentrations greater than the MDL in some of the project samples. All other results were U-qualified. Mean concentrations of 4,4'-DDD in samples RPR1-COMP, RPR2-COMP, and RBC1-COMP were statistically significantly greater than those of the reference. Mean concentrations of 4,4'-DDE in samples RPR2-COMP and RBC1-COMP were statistically significantly greater than those of the reference. None of the mean concentrations of pesticides exceeded applicable FDA action levels. Complete results are in Tables 20 and 22 for wet weight and dry weight pesticides, respectively. Results of the ToxCalc statistical calculations are provided in Appendix F.

Alitta virens

Two pesticides (4,4'-DDD and 4,4'-DDE) were detected in concentrations greater than the MDL in some of the project samples. All other results were U-qualified. Mean concentrations of 4,4'-DDD in samples RPR2-COMP and RBC1-COMP were statistically significantly greater than those of the reference. Mean concentrations of 4,4'-DDE in sample RBC1-COMP were statistically significantly greater than those of the reference. None of the mean concentrations of pesticides exceeded applicable FDA action levels. Complete results are in Tables 21 and 23 for wet weight and dry weight pesticides, respectively. Results of the ToxCalc statistical calculations are provided in Appendix F.

3.9.4 PAHs in Tissue

Sixteen PAHs were tested in *M. nasuta* and *A. virens* tissues for the project samples along with the reference and pre-exposure tissues. Total LMW, total HMW, and total PAHs were calculated from the results of the individual PAHs.

Macoma nasuta

None of the PAHs were detected in concentrations greater than the MRL in the project samples or the reference. All results were either U- or J-qualified. Mean concentrations of total HMW PAHs and total PAHs in samples RPR1-COMP and RPR2-COMP were statistically significantly greater than those of the reference. Complete results are in Tables 24 and 26 for wet weight and dry weight PAHs, respectively. Results of the ToxCalc statistical calculations are provided in Appendix F.

Alitta virens

None of the PAHs were detected in concentrations greater than the MDL in the project samples or the reference. All results were U-qualified; therefore, no further statistical analyses or comparisons were needed. Complete results are in Tables 25 and 27 for wet weight and dry weight PAHs, respectively.

3.9.5 PCBs in Tissue

Twenty-two PCB congeners were analyzed in *M. nasuta* and *A. virens* tissues from project samples along with the reference and pre-exposure tissues. Total PCBs were calculated from the individual PCB congener results.

Macoma nasuta

Ten of the PCB congeners tested were detected above the MRL/MDL in two or more replicates of one or more project samples. Concentrations of PCB-18, 28, 49, 52, 101, 118, 138, 153, 180, and 187 and total EPA Region 2 PCBs in one or more of the project samples, as bolded in Exhibit 3-21, were statistically significantly greater than those of the reference. Total EPA Region 2 PCB mean concentrations in the project samples did not exceed the FDA action level.

Mean concentrations of PCBs in *M. nasuta* tissues are summarized in Exhibit 3-21. Complete results for wet weight and dry weight PCBs are in Tables 28 and 30, respectively. Results of the ToxCalc statistical calculations are provided in Appendix F.

Exhibit 3-21. *Macoma nasuta* Tissue: Summary of Mean Wet Weight PCBs Results That Were Statistically Significantly Different than Those of the Reference

PCB-	Concentration (mg/kg)							
	Mean Concentration of Replicates							FDA Action Level
	RPR1-COMP	RPR2-COMP	RPR3-COMP	RBC1-COMP	RPR4-COMP	RPR5-COMP	SJH20-REF (reference)	
18	**0.68**	0.44	0.40	0.40	0.44	0.40	0.40	x
28	**1.03**	**0.66**	0.40	0.40	**0.65**	0.42	0.40	x
49	**0.50**	**0.51**	0.40	0.40	0.40	0.40	0.40	x
52	**0.64**	**0.65**	0.40	0.41	0.42	0.40	0.40	x
101	**0.74**	**0.93**	0.40	**0.92**	0.40	0.40	0.40	x
118	0.40	**0.61**	0.40	0.40	0.40	0.40	0.40	x
138	**1.10**	**1.35**	0.40	0.45	0.40	0.41	0.40	x
153	**1.33**	**1.58**	0.40	0.48	0.40	0.40	0.40	x
180	**0.48**	**0.53**	0.40	0.40	0.40	0.40	0.40	x
187	**0.53**	**0.52**	0.40	0.40	0.40	0.40	0.40	x
Total PCBs	**12.2**	**12.6**	8.80	**9.45**	**9.11**	8.83	8.80	2000

x = No FDA action level is published for the given parameter.

Bolded values indicate that the mean concentration in project tissues was statistically significantly greater than in of the reference tissues and at least two replicate results were greater than the MDL.

See Table 28 for full results.

Alitta virens

Eight of the PCB congeners tested were detected above the MRL/MDL in two or more replicates of one or more project samples. Concentrations of PCB congeners 18, 52, 101, 138, 180, 187, and total EPA Region 2 PCBs in one or more of the project samples, as bolded in Exhibit 3-22, were statistically significantly greater than those of the reference. Total EPA Region 2 PCB mean concentrations in the project samples did not exceed the FDA action level.

Mean concentrations of PCBs in *A. virens* tissues are summarized in Exhibit 3-22. Complete results for wet weight and dry weight PCBs are in Tables 29 and 31, respectively. Results of the ToxCalc statistical calculations are provided in Appendix F.

Exhibit 3-22. *Alitta virens* Tissue: Summary of Mean Wet Weight PCBs Results That Were Statistically Significantly Different than Those of the Reference

PCB-	Concentration (mg/kg)							
	Mean Concentration of Replicates							FDA Action Level
	RPR1-COMP	RPR2-COMP	RPR3-COMP	RBC1-COMP	RPR4-COMP	RPR5-COMP	SJH20-REF (reference)	
18	**0.97**	**0.59**	0.40	0.40	**0.56**	0.40	0.40	x
52	**0.64**	**0.75**	0.40	**0.51**	**0.50**	0.44	0.40	x
101	**0.61**	**0.91**	0.40	**0.96**	0.42	0.44	0.40	x
138	1.24	**1.43**	0.76	0.97	0.97	0.87	1.15	x
180	0.62	**0.70**	0.40	0.42	0.47	0.41	0.49	x
187	**0.70**	**0.74**	0.46	0.52	0.57	0.51	0.63	x
Total PCBs	**12.7**	**13.3**	10.0	11.2	10.9	10.4	8.80	2000

x = No FDA action level is published for the given parameter.

Bolded values indicate that the mean concentration in project tissues was statistically significantly greater than in of the reference tissues and at least two replicate results were greater than the MDL.

See Table 29 for full results.

4 QUALITY ASSURANCE/QUALITY CONTROL

4.1 Coordination with EPA

4.1.1 Deviations from Sampling and Analysis Plan

Revisions to Compositing Scheme:

Prior to sampling operations, USACE and EPA visited the project area with Athena and ANAMAR personnel to view the conditions and to assess how far up the river the primary sampling vessel *Good Vibrations* could operate before the water levels became too shallow. Based on the site visit, EPA decided to change the sampling plan slightly and reconfigure the compositing scheme to create a single dredging unit near the gas station (across from the police station headquarters) to allow better characterization of that area. Station RBC1-C was eliminated from the Bridge Cut dredging unit and Station RPR2-E from the Cut 1 dredging unit was moved to the Bridge Cut dredging unit (Exhibit 4-1).

Exhibit 4-1. Summary of Changes to Sampling Plan

Dredging Unit	Original Subsample Name	Revised Subsample Name (per EPA)	Composite Sample
RPR Reach 3			
Cut 1 (North Cut)	RPR3-A	No change	RPR3-COMP
	RPR3-B	No change	
	RPR3-C	No change	
	RPR3-D	No change	
	~~RPR3-E~~	RBC1-A	RBC1-COMP
Bridge Cut			
Bridge Cut	~~RBC1-A~~	RBC1-B	
	~~RBC1-B~~	RBC1-C	
	~~RBC1-C~~	Station eliminated	Station eliminated

Elimination of Stations in Reach 2 (RPR2):

The field team consulted with EPA about Reach 2 sample locations because the hard clay layer at target stations RPR2-B, C, and D was just below the surface, meaning refusal was being encountered at the surface and there was little to no overlying material to sample. Based on these conditions, EPA allowed the elimination of stations RPR2-B and D and advised the field team to try moving station C closer to the bank to increase the depth of overlying material. Therefore, the final composite sample consisted of material collected from three stations (RPR2-A, C, and E) rather than five stations.

Sampling and Analysis of Clay/Native Material Layer (performed separately from overlying material):

EPA requested that the overlying material be separated out from the hard native clay layer. At stations where this type of clay material was encountered, EPA requested that the clay material from each substation within a dredging unit be composited and analyzed for physical and sediment chemistry parameters.

Equal Number of Cores Per Substation:

The scope of work stated that an equal number of cores should be taken from each location contributing to a given composite. However, it was difficult to determine how many cores would be needed at each substation because it was unknown at what elevation the clay layer would be

encountered and whether a grab sampler would be needed in cases where the overlying material was <2 feet. Given the difficulty of predicting how many cores would need to be collected from each substation to achieve adequate volume and maintain an equal number of cores per substation within each dredging unit, EPA advised that it was acceptable to collect an equal volume of material at each substation contributing to a given composite. The field team did try to collect an equal number of cores at each station when possible.

General guidelines provided by EPA:

- If overlying material is <2 feet above the clay layer, permitted to collect a grab sample.
- Hard clay material should be separated out from the overlying material. EPA requested that clay material be analyzed separately for physical and chemical analysis.

A memo was prepared summarizing the field coordination with EPA. A copy of the memo was provided to USACE and EPA. The memo is also provided in Appendix J, Pertinent Correspondence.

4.1.2 Toxicology – Ammonia and Salinity Adjustments

While elevated ammonia and low salinity in the porewater are transient qualities in dredged material, they can influence organism survival and development in laboratory tests. If concentrations of ammonia or conditions of low salinity are found in the test composite, these would be considered non-persistent effects under the Green Book and RTM guidance for this material. Prior to testing, bulk sediment porewater ammonia concentrations and salinity were measured to determine whether any methods modifications or supplemental testing would be required. The results of the pretest water quality measurements are summarized in Exhibit 4-2. Samples resulting in porewater ammonia values greater than 20 mg/L (total ammonia) are recommended to be reduced prior to testing following procedures in USACE/USEPA 2016.

Based on the initial water quality measurements, EcoAnalysts determined that low salinity would potentially be an issue for testing in some of the samples. A conference call with EPA Region 2, USACE-Jacksonville, EcoAnalysts, and ANAMAR was held on November 20, 2020, to discuss the water quality measurements and adjustment procedures. It was agreed to implement a salinity adjustment procedure as needed with the objective of acclimating sediment samples with low salinity to marine conditions indicative of the placement site. A summary of the conference call meeting minutes is provided in Appendix J.

Exhibit 4-2. Pre-exposure Sediment Porewater Ammonia and Water Quality Measurements

Sample ID		Total Ammonia (mg/L)	UIA[1] (mg/L)	Salinity (ppt)	pH
Bulk Sediment Porewater	SJH20-REF	2.65	0.063	37	7.8
	RPR1-COMP	21.0	0.253	29	7.5
	RPR2-COMP	5.60	0.054	29	7.4
	RPR3-COMP	4.66	0.036	23	7.3
	RPR4-COMP	1.96	0.019	20	7.4
	RPR5-COMP	2.32	0.028	3	7.5
	RBC1-COMP	18.1	0.175	15	7.4
Project Site Water	RPR-SW	0.00	0.000	27	7.9

[1]Calculated value based on the reported salinity, pH, and projected test temperature (20°C).

Source: EcoAnalysts (2021)

Ammonia concentrations in the bulk sediment porewater ranged from 1.96 to 21.0 mg/L total ammonia. Bulk sediment ammonia measurements and consideration of dilution in the benthic test set-up indicated that organism exposures would be below the ammonia threshold of 20 mg/L. Based on these observations, ammonia-reduction procedures were not necessary prior to testing the Rio Piedras sediment composites.

Porewater salinity for test sediment composites ranged from 3 to 37 ppt; based on this salinity range, it is likely that all test sediments except RPR5-COMP were well acclimated to marine conditions and would not pose any concerns for the suite of test species. The site water used for the water column tests had a salinity of 27 ppt. Site water was not adjusted for the larval suspended particulate phase test, but minor salinity adjustments were necessary for the mysid and fish suspended particulate phase tests to bring test salinity within the targeted range. Crystal Sea MarineMix® bioassay-grade artificial salts used to adjust the site water to the recommended salinity range for use in conjunction with the water column tests.

4.2 Sample Receipt

4.2.1 Initial Cold Storage Shipment

One cold-storage container was shipped on October 27, 2020, from Puerto Rico and delivered to EcoAnalysts on October 28, 2020. The shipment for EcoAnalysts included one composite sample for toxicology analysis. The shipment for ARI included 12 sediment samples for chemical analysis. A courier picked up ARI's samples from EcoAnalysts on October 28, 2020, and delivered them to ARI on October 29, 2020.

4.2.2 Second Cold Storage Shipment

Two cold-storage containers along with additional coolers were shipped on November 2, 2020, from Puerto Rico and delivered to EcoAnalysts on November 3, 2020. The shipment for EcoAnalysts included one reference sample, five composite samples for toxicology analysis, and one site water sample. All test samples arrived via two cold boxes at 4.4°C and 4.2°C and within the recommended temperature range of 0°C to 6°C upon receipt. Site water and sediment samples were stored in a walk-in cold room at 4 ± 2°C in the dark until used for testing.

Samples for chemical analysis, including sediment and site water, were also received in the cold-storage containers and coolers. On November 3, 2020, ARI personnel took custody of the sediment and site water samples that were delivered to EcoAnalysts. All samples were received at the laboratories within analytical holding time and at proper temperature. Sediment and site water for the preparation of elutriates were delivered to MTC on November 3, 2020. ARI received the remaining sediment and site water for chemical analysis on November 4, 2020.

Upon completion of the elutriate preparation, MTC delivered the samples for organics analysis to ARI on November 9, 2020, and for metals analysis to ALS on November 11, 2020.

4.2.3 ALS and Terracon

The cargo container was delivered to ANAMAR on November 13, 2020. ANAMAR packed and shipped the site water on November 16, 2020, and it was received at ALS on November 18, 2020. ANAMAR delivered sediment samples for physical analysis to Terracon on November 19, 2020. All samples were received in good condition.

4.2.4 Tissue Samples

Frozen tissue samples were received at ARI on January 14, 2021, in good condition. Samples were stored in appropriate conditions at the laboratory and thawed to allow preparation only.

4.3 Physical Analysis

All physical analyses were performed by Terracon, and the results met the quality control criteria specified in the SAP/QAPP.

4.4 Sediment Chemistry

4.4.1 Trace Metals

4.4.1.1 Matrix Spike Recovery

The spike recoveries for lead, copper, and zinc were outside the acceptance criteria. The lab noted that the concentration in the sample significantly exceeded the concentration in the spike for these metals. Note that the sample was also analyzed in triplicate, and specifically for lead. If the concentrations in the duplicate or triplicate sample had been used for determining the spike recovery, the result would have been within the acceptance criteria.

4.4.1.2 Standard Reference Material

The initial standard reference material (SRM) recovery for mercury was outside the acceptance criteria. The samples were frozen and reanalyzed once a new SRM had been ordered and received.

4.4.1.3 Continuing Calibration Verification

Silver had one continuing calibration verification (CCV) standard slightly below the criteria, but all results were below the TEL and ERL indicating a low impact on the sample results.

4.4.2 Pesticides and PCB Congeners

4.4.2.1 Matrix Spike Recovery

Several spike recoveries for pesticides were outside the acceptance limits, indicating a potential matrix interference.

4.4.2.2 Standard Reference Material

Endosulfan I was outside acceptance limits. The SRM had several exceedances from one column, but the results from the second column were acceptable.

No other anomalies associated with the analysis of these samples were observed.

4.4.3 Polycyclic Aromatic Hydrocarbons by EPA Method 8270D

4.4.3.1 Standard Reference Material

Two PAH compounds, naphthalene and acenaphthylene, were outside the acceptance limits. Since other laboratory QC were within the acceptable control limits for PAHs, and all PAH compounds were analyzed in the tissue samples, the overall impact should be minimal.

No other anomalies associated with the analysis of these samples were observed.

4.5 Site Water and Elutriate Chemistry

4.5.1 Trace Metals

The spike target for chromium, lead, and nickel did not meet the criteria specified in the EPA Region 2 manual. The laboratory indicated that the method could not meet both the low levels needed for reporting limits at 1 mg/L or lower for copper and silver and the spike target for metals with high reporting limits with minimum levels of 210 mg/L for chromium and 1,050 mg/L for lead. The spike recoveries were acceptable for the percent recoveries found.

4.5.2 Pesticides and PCB Congeners

4.5.2.1 Laboratory Control Standards

ARI analyzed duplicate laboratory control samples (LCSs) with the project samples. The pesticide compound 4,4'-DDE was outside acceptance criteria for one of the LCSs, but the other LCS was acceptable. The overall impact on the sample results should be low.

4.5.2.2 Initial and Continuing Calibration Verification

4,4'-DDE and trans-nonachlor had several exceedances from one column but were acceptable on the second column. PCB 5/8 had an exceedance for one CCV.

No other anomalies associated with the analysis of these samples were observed.

4.6 Tissue Chemistry

4.6.1 Trace Metals

4.6.1.1 Matrix Spike Recovery

One sample had silver recoveries below the acceptance criteria of 70%, but the percent recoveries were not impacted for other metals, indicating a potential matrix interference isolated to silver only.

4.6.1.2 Continuing Calibration Verification

Several CCVs for mercury exceeded the acceptance criteria, but the CCVs analyzed in the next sample were within the acceptance limits, and the samples were bounded by CCVs within the acceptance limits.

No other anomalies associated with the analysis of these samples were observed.

4.6.2 Pesticides and PCB Congeners

4.6.2.1 Matrix Spike Recovery

Several samples for pesticides had spike recoveries outside the acceptance criteria, indicating a potential matrix interference with a low bias for pesticide compounds. In addition, one set of spikes had recoveries significantly outside the acceptance criteria. As a corrective action, the samples in the batch were reprepared and reanalyzed. The spike for 4,4'-DDT in the reanalyzed batch was above the EPA Region 2 control limits, but all of the sample results were below the detection limit and the overall impact should be low.

4.6.2.2 Elevated Detection Limits

Results for trans-nonachlor for tissue samples were reported with a higher detection limit due to matrix interferences in the samples. The interferences prevented detection to the target detection limit in the EPA Region 2 manual. Although the detection limit could not be met, results from the sediment analyses for this compound were all non-detects (U-qualified), indicating that it should have a low concentration in the tissues as well.

No other anomalies associated with the analysis of these samples were observed.

4.6.3 Polycyclic Aromatic Hydrocarbons by EPA Method 8270

4.6.3.1 Matrix Spike Recovery

After submission of the initial data for tissues, it was determined that the laboratory had spiked the samples for PAHs at a lower level than EPA Region 2 guidelines specified. As a corrective action, all samples were reanalyzed using the correct spiking target. Both sets of data were reported by the laboratory, with the reanalyzed data used for evaluation in this report.

From the reanalyzed data, one set of spike triplicates had recoveries outside the acceptance limits, likely due to sample preparation. All other spike sets were within control acceptance limits.

4.6.3.2 Continuing Calibration Verification

Several PAH compounds had exceedances from the acceptance limit but were within the laboratory acceptance criteria. Since all affected results were below the target detection limit, the overall impact was low.

4.6.3.3 Laboratory Control Standards

Acenaphthylene had recoveries 1% to 2% below the acceptance criteria, but all other LCS recoveries were within the acceptance criteria.

No other anomalies associated with the analysis of these samples were observed.

4.7 Toxicology

The quality assurance objectives for toxicity testing are detailed in the Green Book (EPA and USACE 1991) and in the laboratory's quality assurance plans. These objectives for accuracy and precision involve all aspects of the testing process, including the following:

- Water and sediment sampling and handling
- Source and condition of test organisms
- Condition of equipment
- Test conditions
- Instrument calibration
- Use of reference toxicants
- Record keeping
- Data evaluation

Each test organism was evaluated in reference toxicant tests to establish the sensitivity of the test organisms. The reference toxicant LC_{50} or EC_{50} should be within two standard deviations of the historical laboratory mean. Water quality measurements were monitored to ensure that they fell within prescribed limits.

The methods employed in every phase of the toxicity testing program are detailed in EcoAnalysts' Standard Operating Procedures (SOPs). All EcoAnalysts staff members receive regular, documented training in all SOPs and test methods. All data collected and produced as a result of these analyses were recorded on approved data sheets. If an aspect of a test deviated from protocol, the test was evaluated to determine validity according to the guidance of the regulatory agencies responsible for approval of the proposed permitting action.

4.7.1 Benthic Toxicology Testing

The results of the benthic toxicity tests are presented in this section. The benthic tests were performed with *Ampelisca abdita* and *Americamysis bahia*.

4.7.1.1 *Ampelisca abdita*

The 10-day benthic test with *A. abdita* was initiated on December 1, 2020, and was validated by 96% survival in the control sample, meeting the acceptability criterion of ≥90%.

Water quality parameters were within acceptable limits for temperature throughout the 10-day test; dissolved oxygen, salinity, and pH were measured outside the targeted ranges. On day 6 in RPR3-COMP, dissolved oxygen was measured at 6.6 mg/L, which was below the targeted range of ≥6.9 mg/L; airflow was increased to the test chamber and dissolved oxygen levels were maintained throughout the remainder of the test. On days 9 and 10 in RPR5-COMP, salinity was measured at 25 ppt, which was below the targeted range of 28 ± 2 ppt; this was likely due to low porewater salinity in this sample and would not be expected to negatively affect test results. While pH was measured at 8.5 in the control treatment, above the targeted range of 7.8 ± 0.5, it was still within the tolerance range of the test organism and did not negatively affect survival.

The LC_{50} for the ammonia reference toxicant test was 61.6 mg/L total ammonia and was within two standard deviations of the laboratory mean at the time of testing. This indicates that the test organisms used in this test were of similar sensitivity to those previously tested at the EcoAnalysts laboratory. The concurrent ammonia reference toxicant derived no-observed-effects concentration (NOEC) values were 34.7 mg/L total ammonia and 0.591 mg/L UIA. Ammonia concentrations measured within the benthic test were below the ammonia reference toxicant test derived NOEC values for total and un-ionized ammonia throughout the testing period.

4.7.1.2 *Americamysis bahia*

The 10-day benthic test with *A. bahia* was initiated on December 8, 2020, and was validated by 90% survival in the control sample, meeting the acceptability criterion of ≥90%.

Water quality parameters were within the acceptable limits throughout the 10-day test. Ammonia measurements in overlying water were below the threshold of 0.3 mg/L un-ionized ammonia (at pH 7.8) throughout the duration of the test. No afternoon feeding was performed on day 1 of testing due to a shortage of hatched *Artemia* available for feeding.

The LC_{50} for the ammonia reference toxicant test was 46.3 mg/L total ammonia and was within two standard deviations of the laboratory mean at the time of testing. This indicates that the test

organisms used in this test were of similar sensitivity to those previously tested at the EcoAnalysts laboratory. The concurrent ammonia reference toxicant derived NOEC values were 21.7 mg/L total ammonia and 0.380 mg/L UIA. Ammonia concentrations measured within the benthic test were below the ammonia reference toxicant test derived NOEC values throughout the testing period.

4.7.2 Water Column Toxicology Testing

The results of the water column toxicity tests are presented in this section. The water column tests were performed with mysid shrimp (*A. bahia*), inland silverside fish (*M. beryllina*), and larvae of the mussel *M. galloprovincialis*.

4.7.2.1 *Americamysis bahia*

The water column test with *A. bahia* was initiated on December 14, 2020. The mysid test was validated by 98% mean survival in the seawater control, meeting the acceptability criterion of ≥90%. Mean percent survival in the site water sample was 100%, indicating that the site water was acceptable for testing.

Water quality parameters were within target limits throughout the duration of the 96-hour test, except for salinity. While salinity, at 27 ppt, was measured below the targeted range of 30 ± 2 ppt, the high rate of survival observed in all test treatments indicated that it did not cause any detrimental effects to the test organisms.

The LC_{50} for the ammonia reference toxicant test was 108.4 mg/L total ammonia, which was outside of two standard deviations of the laboratory mean at the time of testing. This indicates that the organisms obtained from this supplier may have been less sensitive than those previously tested at the EcoAnalysts laboratory. The NOEC values were 68.6 mg /L total ammonia and 1.52 mg/L UIA. Given that the 100% elutriate concentration measured at 0.266 to 13.7 mg/L total ammonia and mean survival was ≥97%, it is unlikely that ammonia was a contributing factor to any observed mortality.

4.7.2.2 *Menidia beryllina*

The water-column test with *M. beryllina* was initiated on December 17, 2020. The *Menidia* test was validated by 98% mean survival in the control, meeting the acceptability criterion of ≥90%. Mean percent survival in the site water sample was 98%, indicating that the site water was acceptable for testing.

Water quality parameters except salinity were within target limits throughout the duration of the 96-hour test. While salinity, at 27 ppt, was measured below the targeted range of 30 ± 2 ppt, the high rate of survival observed in all test treatments indicates that it did not cause any detrimental effects to the test organisms. With the exception of ammonia, water quality was not measured in RPR4-COMP 50% and 100% and in RPR5-COMP at 10%, 50%, and 100% on Day 4 as test chambers were inadvertently terminated before water quality measurements were taken.

The LC_{50} for the ammonia reference toxicant test was 41.3 mg/L total ammonia and was within two standard deviations of the laboratory mean at the time of testing. Based on these results, the organisms obtained from this supplier appeared to be similar in sensitivity to those previously tested at the EcoAnalysts laboratory. The NOEC values were 27.8 mg/L total ammonia and 0.452 mg/L UIA.

4.7.2.3 *Mytilus galloprovincialis*

The water column test with *M. galloprovincialis* was initiated on December 8, 2020. The larval mussel test resulted in 100% normal development (combined proportion normal, number normal ÷ initial number) and 100% survival (proportion survival) in the control, meeting the recommended criteria of ≥60% proportion normal and ≥90% proportion survival. The embryo stocking density was 24.4 embryos/mL of test solution, within the recommended density of 20 to 30 embryos/mL. Mean survival in the site water was 100%. The response observed in the site water sample was not statistically different than that of the control, indicating that this material was suitable for testing and should not have contributed to any potential reduced biological response observed in the elutriate preparations.

All water quality parameters except salinity were within the target limits throughout the duration of the 48-hour test. Salinity in sample RPR5-COMP was measured at 25 ppt, which was below the targeted range of 30 ± 3 ppt; this was likely due to low porewater salinity in this sample. There was a significant amount of debris in one replicate of the control, two replicates of the 10% concentration of RPR1-COMP, one replicate of the 1% concentration of RPR2-COMP, two replicates of the 10% concentrations of RPR3-COMP, and one replicate of the 50% concentration of RPR3-COMP, which was indicative of vial contamination. These replicates were removed from statistical analysis.

The EC_{50} for the ammonia reference toxicant test was 7.8 mg/L total ammonia and was within two standard deviations of the laboratory mean. This indicates that the population of test organisms used in this test was similar in sensitivity to those previously tested at the EcoAnalysts laboratory. The NOEC values were 5.8 mg /L total ammonia and 0.141 mg/L UIA.

4.7.3 Bioaccumulation Tests

The 28-day bioaccumulation tests with *A. virens* and *M. nasuta* were initiated on December 14 and December 9, 2020, respectively.

All water quality parameters were within target limits throughout the duration of the 28-day exposure, except for pH, which was measured below the targeted range, at a minimum of 7.0 in the *A. virens* test and 7.1 in the *M. nasuta* test. Air or water flow to the test chambers was increased and the pH subsequently increased to fall within the target range. Survival remained high in all test treatments for both tests. Inadvertently, only 15 worms were added to Control Replicate 2. As the control tissues were not being analyzed for chemistry, this deviation was not expected to affect the results. Five additional worms (a total of 25) were inadvertently added to RPR-1-COMP Replicate 4 and RPR4-COMP Replicate 2. One extra clam (for a total of 26) was added to RPR2-COMP Replicate 1. The flow rate target per 30 seconds was incorrectly calculated, resulting in flow adjustments that exceeded the target range of 6 ± 1 volume exchanges per day.

The LC_{50} for the *A. virens* sodium dodecyl sulfate (SDS) reference toxicant test was 36.8 mg/L SDS and was within two standard deviations of the laboratory mean at the time of testing. The LC_{50} for the *M. nasuta* reference toxicant test was 39.9 mg/L SDS and was within two standard deviations of the laboratory mean at the time of testing. These reference toxicant tests indicated that the populations of test organisms used in this study were similar in sensitivity to those previously tested at the EcoAnalysts laboratory.

5 ADDAMS MODEL

Simulations of the STFATE module of the ADDAMS model were run to establish the compliance of the water column toxicity for the Rio Piedras sediment samples. Based on analytical results, no samples were selected for modeling Tier II Water Quality Criteria as all results were below the respective CMCs in the National Recommended Water Quality Criteria in EPA (2015).

Based on the EC_{50} results, 24 applications (runs) of the models are presented in this report for Section 103 Regulatory Analysis for Ocean Water, Tier III, Short-Term Fate of Dredged Material from Split Hull Barge or Hopper/Toxicity Run.

Results for all the water column toxicology tests show that LC_{50}/EC_{50} were >100% across the three species tested in five of the six Rio Piedras project samples. Sample RPR5-COMP, representing dredging unit RPR Reach 5, had an EC_{50} of 34.9% in the larval test using *Mytilus galloprovincialis*. All project samples were modeled to confirm acceptable dilution of the material during disposal to meet the LPC. STFATE model input parameters used in the module are shown in Exhibits 5-1 through 5-7. The sediment physical characteristics (presented in Table 5) for all composite samples were used to calculate the volumetric fractions (Exhibit 5-7). Values underlined and shown with a shaded yellow background were provided by the toxicology laboratory, and the dilution required was calculated to allow entry into the simulation (Exhibit 5-7). The files used in the model runs are contained within Appendix H.

Evaluation Type: Tier III, Compare Toxicity Results

Exhibit 5-1. Simulation Type: Descent, Collapse, and Diffusion

Coefficients		
Parameter	**Keyword**	**Value**
Settling Coefficient	BETA	0.000*
Apparent Mass Coefficient	CM	1.000*
Drag Coefficient	CD	0.500*
Form Drag for Collapsing Cloud	CDRAG	1.000*
Skin Friction for Collapsing Cloud	CFRIC	0.010*
Drag for an Ellipsoidal Wedge	CD3	0.100*
Drag for a Plate	CD4	1.000*
Friction Between Cloud and Bottom	FRICTN	0.010*
4/3 Law Horizontal Diffusion Dissipation Factor	ALAMDA	0.001*
Unstratified Water Vertical Diffusion Coefficient	AKYO	Pritchard Expression
Cloud/Ambient Density Gradient Ratio	GAMA	0.250*
Turbulent Thermal Entrainment	ALPHAO	0.235*
Entrainment in Collapse	ALPHAC	0.100*
Stripping Factor	CSTRIP	0.003*

* Model default value

Exhibit 5-2. Site Description

Parameter	Value	Units
Number of Grid Points (left to right)	96	n/a
Number of Grid Points (top to bottom)	96	n/a
Spacing Between Grid Points (left to right)	200	ft
Spacing Between Grid Points (top to bottom)	200	ft
Constant Water Depth	965	ft
Roughness Height at Bottom of Disposal Site	0.005*	ft
Slope of Bottom in X-Direction	0	deg.
Slope of Bottom in Z-Direction	0	deg.
Number of Points in Ambient Density Profile Point	3	n/a
Ambient Density at Depth = 0 ft	1.0236	g/cc
Ambient Density at Depth = 200 ft	1.0242	g/cc
Ambient Density at Depth = 965 ft	1.0279	g/cc
Distance from the Top Edge of Grid (upper left corner of site)	6,500	ft
Distance from the Left Edge of Grid (upper left corner of site)	12,800	ft
Distance from the Top Edge of Grid (lower right corner of site)	12,500	ft
Distance from the Left Edge of Grid (lower right corner of site)	18,800	ft
Number of Depths for Transport-Diffusion Output	3 (0, 450 and 960)	#

* Model default value

Exhibit 5-3. Current Velocity Data

Parameter	Value	Units
X-Direction Velocity	0	ft/sec
Z-Direction Velocity	-1	ft/sec

Exhibit 5-4. Material Data

Parameter	Value	Units
Dredging Site Water Density (average)	1.022	g/cc
Number of Layers	1	n/a
Material Velocity at Disposal (X-Dir.)	0	ft/s
Material Velocity at Disposal (Z-Dir.)	-13.5	ft/s

Exhibit 5-5. Output Options

Parameter	Value	Units
Duration of Simulation	14,400	seconds
Long-Term Time Step	600	seconds

Exhibit 5-6. Disposal Operation Data

Parameter	Value, Barge/Scow	Unit
Length of Disposal Vessel	200	ft
Width of Disposal Vessel	50	ft
Pre-Disposal Draft	18	ft
Post-Disposal Draft	5	ft
Time Needed to Empty the Disposal Bin	20	seconds
Material Volume	4,800	cy
Location of Disposal from Top of Grid	9,500	ft
Location of Disposal from Left Edge of Grid	15,800	ft

Exhibit 5-7. Volumetric Fractions and Toxicity Criteria of Dredge Material

Analyte	RPR1-COMP		RPR2-COMP	
	Hopper/Cutter	Mechanical	Hopper/Cutter	Mechanical
Volumetric fractions - Clumps	***0.30000***	***0.80000***	***0.30000***	***0.80000***
Volumetric fractions - Coarse	***0.00000***	***0.00000***	***0.00000***	***0.00000***
Volumetric fractions - Silt	***0.00000***	***0.00000***	***0.00000***	***0.00000***
Volumetric fractions - Clay	***0.00000***	***0.00000***	***0.00000***	***0.00000***
Solids, %	*76.7*		*77.5*	
Specific gravity	2.70		2.71	
Liquid limit	50		51	
LC_{50}/EC_{50}	>100		>100	
Conc. required to meet criteria	1.00		1.00	
Dilution required to meet criteria	100		100	

Analyte	RPR3-COMP		RBC1-COMP	
	Hopper/Cutter	Mechanical	Hopper/Cutter	Mechanical
Volumetric fractions - Clumps	***0.00000***	***0.00000***	***0.30000***	***0.80000***
Volumetric fractions - Coarse	***0.19066***	***0.50841***	***0.00000***	***0.00000***
Volumetric fractions - Silt	***0.03582***	***0.09553***	***0.00000***	***0.00000***
Volumetric fractions - Clay	***0.01889***	***0.05038***	***0.00000***	***0.00000***
Solids, %	79.9		87.4	
Specific gravity	2.68		2.70	
Liquid limit	0		59	
LC_{50}/EC_{50}	>100		>100	
Conc. required to meet criteria	1.00		1.00	
Dilution required to meet criteria	100		100	

Analyte	RPR4-COMP		RPR5-COMP	
	Hopper/Cutter	Mechanical	Hopper/Cutter	Mechanical
Volumetric fractions - Clumps	***0.00000***	***0.00000***	***0.00000***	***0.00000***
Volumetric fractions - Coarse	***0.23600***	***0.62933***	***0.25291***	***0.67444***
Volumetric fractions - Silt	***0.03348***	***0.08927***	***0.02203***	***0.05874***
Volumetric fractions - Clay	***0.00719***	***0.01918***	***0.00390***	***0.01041***
Solids, %	86.4		85.6	
Specific gravity	2.69		2.72	
Liquid limit	0		0	
LC_{50}/EC_{50}	>100		34.9	
Conc. required to meet criteria	1.00		0.349	
Dilution required to meet criteria	100		286	

Notes: ***Bolded and italicized parameters*** were calculated from Table 5 of this report. Values underlined and shown with a yellow shaded background were provided by the toxicology laboratory, and the dilution required was calculated to allow entry into the simulation. Volumetric fractions were determined using a spreadsheet developed at ERDC.*** The spreadsheet is provided in the appendices with the filename *SJH volumetric fractions from ERDC calculator.xls*.

Results of the initial mixing simulations after 4 hours of mixing (specified for water column evaluation) and the maximum concentration found outside the disposal area for each dredging unit are summarized in Exhibit 5-8. The location of the maximum concentration is shown as X location and Z location. Input and output files are provided in Appendix H.

Exhibit 5-8. Four-Hour Criteria and Disposal Site Boundary Criteria after Initial Mixing

Four Hour Disposal Criteria					Disposal Boundary Criteria		
Depth, feet	% Max Conc Above Background on Grid	Dilution on Grid ($D_{a\text{-}tox}$)	X Location	Z Location	Time, hours	Max Conc Outside Disposal Area	Dilution ($D_{a\text{-}tox}$)
Sample	**RPR1-COMP Hopper Dredge (4,800 cubic yards/load)**						
0	6.08E-40	>10,000	7,000	200	0.50	9.97E-39	>10,000
450	1.78E-02	5617	9,400	1,000	0.83	1.16E-01	861
473 (max)	3.33E-02	3002	9,400	1,000	0.83	3.56E-01	280
960	6.08E-40	>10,000	7,000	200	0.50	9.97E-39	>10,000
Sample	**RPR1-COMP Hopper Dredge (15,000 cubic yards/load)**						
0	9.19E-40	>10,000	7,200	200	0.50	1.48E-38	>10,000
450	5.27E-16	>10,000	9,400	1,000	4.00	5.27E-16	>10,000
862 (max)	5.02E-02	1991	9,400	1,000	0.83	5.03E-01	198
960	8.21E-03	>10,000	9,400	1,000	0.83	8.32E-02	1201
Sample	**RPR1-COMP Clamshell Dredge (4,800 cubic yards/load)**						
0	1.00E-40	>10,000	7,200	200	0.50	1.65E-39	>10,000
450	1.88E-24	>10,000	9,400	1,000	4.00	1.88E-24	>10,000
879 (max)	5.47E-03	>10,000	9,400	1,000	0.83	5.39E-02	1854
960	9.27E-04	>10,000	9,400	1,000	0.83	9.26E-03	>10,000

Exhibit 5-8. Four-Hour Criteria and Disposal Site Boundary Criteria after Initial Mixing

Four Hour Disposal Criteria					Disposal Boundary Criteria		
Depth, feet	% Max Conc Above Background on Grid	Dilution on Grid ($D_{a\text{-}tox}$)	X Location	Z Location	Time, hours	Max Conc Outside Disposal Area	Dilution ($D_{a\text{-}tox}$)
Sample	**RPR1-COMP Clamshell Dredge (15,000 cubic yards/load)**						
0	3.81E-40	>10,000	6,800	200	0.50	3.95E-39	>10,000
450	3.81E-40	>10,000	6,800	200	0.50	3.95E-39	>10,000
918 (max)	2.09E-02	4784	9,400	1,000	0.83	1.53E-01	653
960	4.23E-03	>10,000	9,400	1,000	0.83	3.25E-02	3076
Sample	**RPR2-COMP Hopper Dredge (4,800 cubic yards/load)**						
0	6.08E-40	>10,000	7,000	200	0.50	9.97E-39	>10,000
450	1.78E-02	5617	9,400	1,000	0.83	1.16E-01	861
473 (max)	3.33E-02	3002	9,400	1,000	0.83	3.56E-01	280
960	6.08E-40	>10,000	7,000	200	0.50	9.97E-39	>10,000
Sample	**RPR2-COMP Hopper Dredge (15,000 cubic yards/load)**						
0	9.19E-40	>10,000	7,200	200	0.50	1.48E-38	>10,000
450	5.27E-16	>10,000	9,400	1,000	4.00	5.27E-16	>10,000
862 (max)	5.02E-02	1991	9,400	1,000	0.83	5.03E-01	198
960	8.21E-03	>10,000	9,400	1,000	0.83	8.32E-02	1201
Sample	**RPR2-COMP Clamshell Dredge (4,800 cubic yards/load)**						
0	1.00E-40	>10,000	7,200	200	0.50	1.65E-39	>10,000
450	1.88E-24	>10,000	9,400	1,000	4.00	1.88E-24	>10,000
879 (max)	5.47E-03	>10,000	9,400	1,000	0.83	5.39E-02	1854
960	9.27E-04	>10,000	9,400	1,000	0.83	9.26E-03	>10,000
Sample	**RPR2-COMP Clamshell Dredge (15,000 cubic yards/load)**						
0	3.81E-40	>10,000	6,800	200	0.50	3.95E-39	>10,000
450	3.81E-40	>10,000	6,800	200	0.50	3.95E-39	>10,000
918 (max)	2.09E-02	4784	9,400	1,000	0.83	1.53E-01	653
960	4.23E-03	>10,000	9,400	1,000	0.83	3.25E-02	3076
Sample	**RPR3-COMP Hopper Dredge (4,800 cubic yards/load)**						
0	5.60E-40	>10,000	6,800	200	0.50	5.77E-39	>10,000
450	5.60E-40	>10,000	6,800	200	0.50	5.77E-39	>10,000
928 (max)	3.06E-02	3267	9,400	1,000	0.83	2.24E-01	445
960	6.85E-03	>10,000	9,400	1,000	0.83	5.40E-02	1851
Sample	**RPR3-COMP Hopper Dredge (15,000 cubic yards/load)**						
0	1.54E-39	>10,000	6,200	200	0.33	1.25E-38	>10,000
450	1.54E-39	>10,000	6,200	200	0.33	1.25E-38	>10,000
934 (max)	8.43E-02	1185	9,400	1,000	0.67	4.82E-01	206
960	2.33E-02	4291	9,400	1,000	0.67	1.58E-01	632
Sample	**RPR3-COMP Clamshell Dredge (4,800 cubic yards/load)**						
0	2.50E-40	>10,000	6,000	200	0.33	2.04E-39	>10,000
450	2.50E-40	>10,000	6,000	200	0.33	2.04E-39	>10,000
944 (max)	1.37E-02	7298	9,400	1,000	0.67	7.80E-02	1281
960	4.23E-03	>10,000	9,400	1,000	0.67	3.04E-02	3288

Exhibit 5-8. Four-Hour Criteria and Disposal Site Boundary Criteria after Initial Mixing

Four Hour Disposal Criteria					Disposal Boundary Criteria		
Depth, feet	% Max Conc Above Background on Grid	Dilution on Grid ($D_{a\text{-}tox}$)	X Location	Z Location	Time, hours	Max Conc Outside Disposal Area	Dilution ($D_{a\text{-}tox}$)
Sample	**RPR3-20-COMP Clamshell Dredge (15,000 cubic yards/load)**						
0	6.97E-40	>10,000	6,000	200	0.33	5.48E-39	>10,000
450	6.97E-40	>10,000	6,000	200	0.33	5.48E-39	>10,000
941 (max)	3.82E-02	2617	9,400	1,000	0.67	2.13E-01	468
960	1.08E-02	9258	9,400	1,000	0.67	7.26E-02	1376
Sample	**RBC1-COMP Hopper Dredge (4,800 cubic yards/load)**						
0	6.08E-40	>10,000	7,000	200	0.50	9.97E-39	>10,000
450	1.78E-02	5617	9,400	1,000	0.83	1.16E-01	861
473 (max)	3.33E-02	3002	9,400	1,000	0.83	3.56E-01	280
960	6.08E-40	>10,000	7,000	200	0.50	9.97E-39	>10,000
Sample	**RBC1-COMP Hopper Dredge (15,000 cubic yards/load)**						
0	9.19E-40	>10,000	7,200	200	0.50	1.48E-38	>10,000
450	5.27E-16	>10,000	9,400	1,000	4.00	5.27E-16	>10,000
862 (max)	5.02E-02	1991	9,400	1,000	0.83	5.03E-01	198
960	8.21E-03	>10,000	9,400	1,000	0.83	8.32E-02	1201
Sample	**RBC1-COMP Clamshell Dredge (4,800 cubic yards/load)**						
0	1.00E-40	>10,000	7,200	200	0.50	1.65E-39	>10,000
450	1.88E-24	>10,000	9,400	1,000	4.00	1.88E-24	>10,000
879 (max)	5.47E-03	>10,000	9,400	1,000	0.83	5.39E-02	1854
960	9.27E-04	>10,000	9,400	1,000	0.83	9.26E-03	>10,000
Sample	**RBC1-COMP Clamshell Dredge (15,000 cubic yards/load)**						
0	3.81E-40	>10,000	6,800	200	0.50	3.95E-39	>10,000
450	3.81E-40	>10,000	6,800	200	0.50	3.95E-39	>10,000
918 (max)	2.09E-02	4784	9,400	1,000	0.83	1.53E-01	653
960	4.23E-03	>10,000	9,400	1,000	0.83	3.25E-02	3076
Sample	**RPR4-COMP Hopper Dredge (4,800 cubic yards/load)**						
0	5.49E-40	>10,000	6,400	200	0.33	5.57E-39	>10,000
450	5.49E-40	>10,000	6,400	200	0.33	5.57E-39	>10,000
936 (max)	3.01E-02	3321	9,400	1,000	0.83	1.95E-01	512
960	7.64E-03	>10,000	9,400	1,000	0.83	5.61E-02	1782
Sample	**RPR4-COMP Hopper Dredge (15,000 cubic yards/load)**						
0	1.47E-39	>10,000	6,000	200	0.33	1.18E-38	>10,000
450	1.47E-39	>10,000	6,000	200	0.33	1.18E-38	>10,000
940 (max)	8.07E-02	1238	9,400	1,000	0.67	4.59E-01	217
960	2.24E-02	4463	9,400	1,000	0.67	1.52E-01	657
Sample	**RPR4-COMP Clamshell Dredge (4,800 cubic yards/load)**						
0	1.93E-40	>10,000	6,200	200	0.33	1.66E-39	>10,000
450	1.93E-40	>10,000	6,200	200	0.33	1.66E-39	>10,000
941 (max)	1.05E-02	9523	9,400	1,000	0.67	6.16E-02	1622
960	3.05E-03	>10,000	9,400	1,000	0.67	2.16E-02	4629

Exhibit 5-8. Four-Hour Criteria and Disposal Site Boundary Criteria after Initial Mixing

Four Hour Disposal Criteria					Disposal Boundary Criteria		
Depth, feet	% Max Conc Above Background on Grid	Dilution on Grid ($D_{a\text{-}tox}$)	X Location	Z Location	Time, hours	Max Conc Outside Disposal Area	Dilution ($D_{a\text{-}tox}$)
Sample	**RPR4-COMP Clamshell Dredge (15,000 cubic yards/load)**						
0	5.29E-40	>10,000	6,000	200	0.33	4.15E-39	>10,000
450	5.29E-40	>10,000	6,000	200	0.33	4.15E-39	>10,000
941 (max)	2.90E-02	3447	9,400	1,000	0.67	1.61E-01	620
960	8.25E-03	>10,000	9,400	1,000	0.83	5.32E-02	1879
Sample	**RPR5-COMP Hopper Dredge (4,800 cubic yards/load)**						
0	5.47E-40	>10,000	6,400	200	0.33	5.52E-39	>10,000
450	5.47E-40	>10,000	6,400	200	0.33	5.52E-39	>10,000
936 (max)	3.00E-02	3332	9,400	1,000	0.83	1.94E-01	514
960	7.65E-03	>10,000	9,400	1,000	0.83	5.61E-02	1782
Sample	**RPR5-COMP Hopper Dredge (10,000 cubic yards/load)**						
0	1.03E-39	>10,000	6,200	200	0.33	8.71E-39	>10,000
450	1.03E-39	>10,000	6,200	200	0.33	8.71E-39	>10,000
940 (max)	5.65E-02	1769	9,400	1,000	0.83	3.29E-01	303
960	1.57E-02	>10,000	9,400	1,000	0.67	1.09E-01	916
Sample	**RPR5-COMP Clamshell Dredge (4,800 cubic yards/load)**						
0	1.88E-40	>10,000	6,200	200	0.33	1.62E-39	>10,000
450	1.88E-40	>10,000	6,200	200	0.33	1.62E-39	>10,000
942 (max)	1.03E-02	9708	9,400	1,000	0.67	6.02E-02	1660
960	2.98E-03	>10,000	9,400	1,000	0.67	2.11E-02	4738
Sample	**RPR5-COMP Clamshell Dredge (15,000 cubic yards/load)**						
0	5.17E-40	>10,000	6,000	200	0.33	4.06E-39	>10,000
450	5.17E-40	>10,000	6,000	200	0.33	4.06E-39	>10,000
941 (max)	2.84E-02	3520	9,400	1,000	0.67	1.58E-01	632
960	8.06E-03	>10,000	9,400	1,000	0.67	5.40E-02	1851

Dilution ($D_{a\text{-}tox}$) = (100 – max conc.)/max conc.

Conclusion

STFATE modeling was performed using two types of dredging equipment, a clamshell dredge combined with a separate barge or scow and a hopper or cutter dredge. Each type of dredging equipment was modeled with a capacity of 4,800 cubic yards per load based on the largest option currently available in Puerto Rico. The model was also performed with a volume of 15,000 cubic yards per load in case a larger dredging vessel or transport equipment becomes available in the future. All model runs, with the exception of RPR5-COMP, using a hopper or cutter dredge met the disposal criteria for both dredging methods and volumes. For RPR5-COMP using a hopper or cutter dredge, the material was modeled at 10,000 cubic yards per load and met the disposal criteria.

Therefore, the material from all project reaches may be disposed without location or volume restrictions, to a maximum volume of 15,000 cubic yards per load (or 10,000 cubic yards for RPR5-COMP using a hopper or cutter dredge) within the ODMDS boundaries in accordance with all criteria specified by EPA Region 2 and USACE Jacksonville District.

Exhibits 5-9 and 5-10 show an aerial map of the ODMDS in relation to the coast of San Juan, Puerto Rico, and a computer-generated image showing specific site details, respectively.

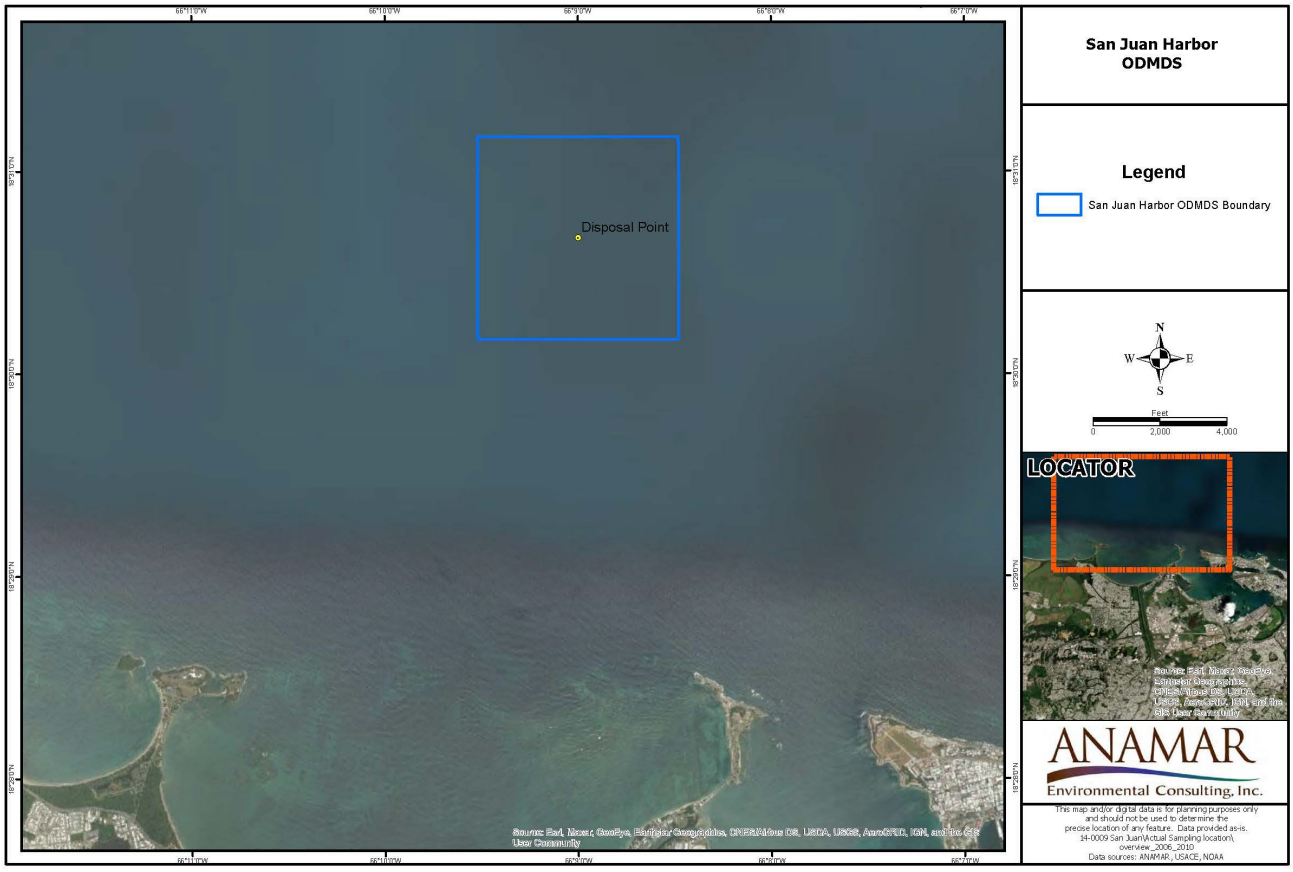
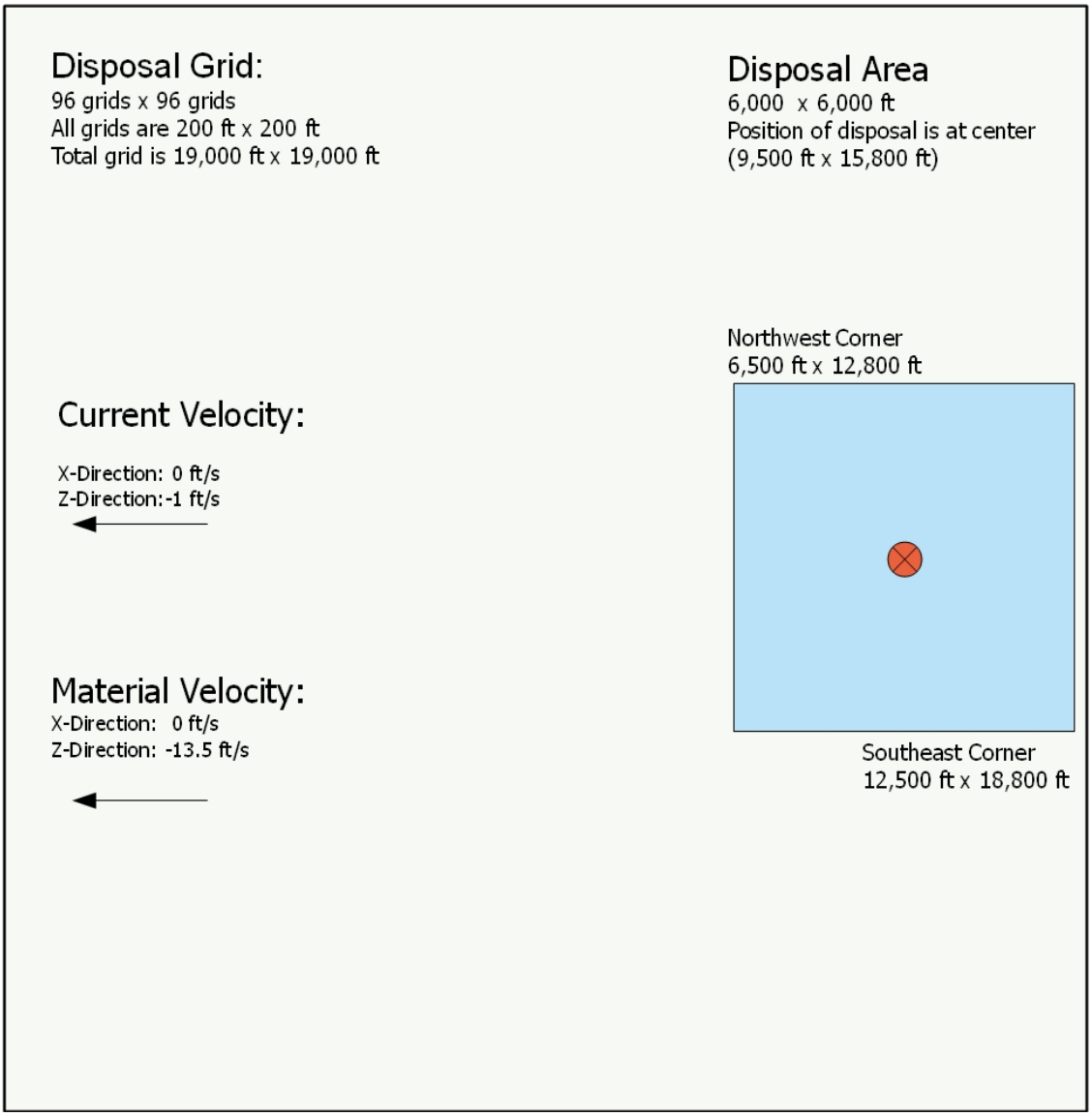


Exhibit 5-9. Aerial Map of San Juan Harbor ODMDS with Disposal Target Shown

San Juan ODMDS Disposal Map



Results of the STFATE module of the ADDAMS model indicate that all material from the San Juan Harbor dredging units may be disposed of at the center of the San Juan Harbor ODMDS using a hopper dredge or clamshell with a scow or barge with a carrying capacity of up to 15,000 cubic yards per load (or 10,000 cubic yards for RPR5-Comp using a hopper or cutter dredge) without violating applicable disposal criteria.

Exhibit 5-10. Computer-Generated Map of San Juan Harbor ODMDS

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MAPS

Map 1
Rio Piedras River
Overview and Reference Site

66°5'0"W

18°25'0"N

Sub_Sample	Latitude	Longitude	Northing	Easting
RBC1-A	18.416969	-66.078625	868220	779119
RBC1-B	18.416511	-66.078400	868054	779198
RBC1-C	18.415984	-66.078155	867863	779283
RPR-SW	18.414300	-66.076950	867252	779702
RPR1-A	18.423478	-66.081361	870582	778166
RPR1-B	18.422985	-66.081612	870403	778080
RPR1-C	18.422449	-66.081701	870209	778049
RPR1-D	18.421920	-66.081680	870016	778057
RPR1-E	18.421343	-66.081629	869807	778075
RPR2-A	18.420799	-66.081619	869609	778079
RPR2-B	18.420243	-66.081555	869408	778101
RPR2-C	18.420965	-66.081577	869670	778093
RPR2-D	18.419243	-66.081103	869045	778259
RPR2-E	18.418844	-66.080693	868900	778401
RPR3-A	18.418478	-66.080292	868767	778540
RPR3-B	18.418169	-66.079818	868656	778705
RPR3-C	18.417702	-66.079455	868486	778831
RPR3-D	18.417415	-66.078947	868382	779007
RPR4-A	18.415195	-66.077760	867577	779421
RPR4-B	18.414779	-66.077444	867426	779530
RPR4-C	18.414420	-66.076977	867296	779692
RPR4-D	18.414019	-66.076562	867151	779837
RPR4-E	18.413767	-66.076069	867060	780007
RPR5-A	18.413355	-66.075668	866910	780147
RPR5-B	18.412971	-66.074945	866771	780398
RPR5-C	18.412440	-66.074320	866579	780615
RPR5-D	18.687489	-66.072832	966463	780934
RPR5-E	18.411770	-66.072400	866337	781281
SJH20-REF	18.488000	-66.183000	893955	742905

Legend

- Actual Sampling Location
- Channel Boundary

N
W E
S

Feet
0 250 500

LOCATOR

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Environmental Consulting, Inc.

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Data sources: ANAMAR, USACE, NOAA

May 2025

Sub_Sample	Latitude	Longitude	Northing	Easting
RBC1-A	18.416969	-66.078625	868220	779119
RBC1-B	18.416511	-66.078400	868054	779198
RBC1-C	18.415984	-66.078155	867863	779283
RPR1-A	18.423478	-66.081361	870582	778166
RPR1-B	18.422985	-66.081612	870403	778080
RPR1-C	18.422449	-66.081701	870209	778049
RPR1-D	18.421920	-66.081680	870016	778057
RPR1-E	18.421343	-66.081629	869807	778075
RPR2-A	18.420799	-66.081619	869609	778079
RPR2-B	18.420243	-66.081555	869408	778101
RPR2-C	18.420965	-66.081577	869670	778093
RPR2-D	18.419243	-66.081103	869045	778259
RPR2-E	18.418844	-66.080693	868900	778401

Map 2
Rio Piedras River
Reach 1 and Reach 2
Sampling Locations

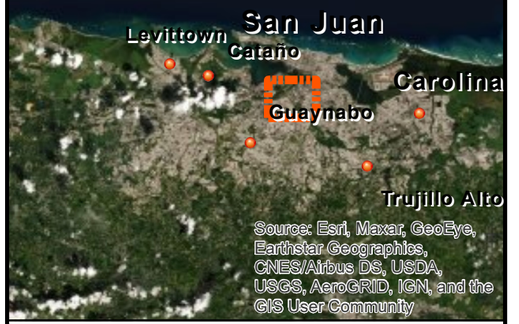
Legend

- Actual Sampling Location
- Channel Boundary

N
W E
S

Feet
0 100 200

LOCATOR



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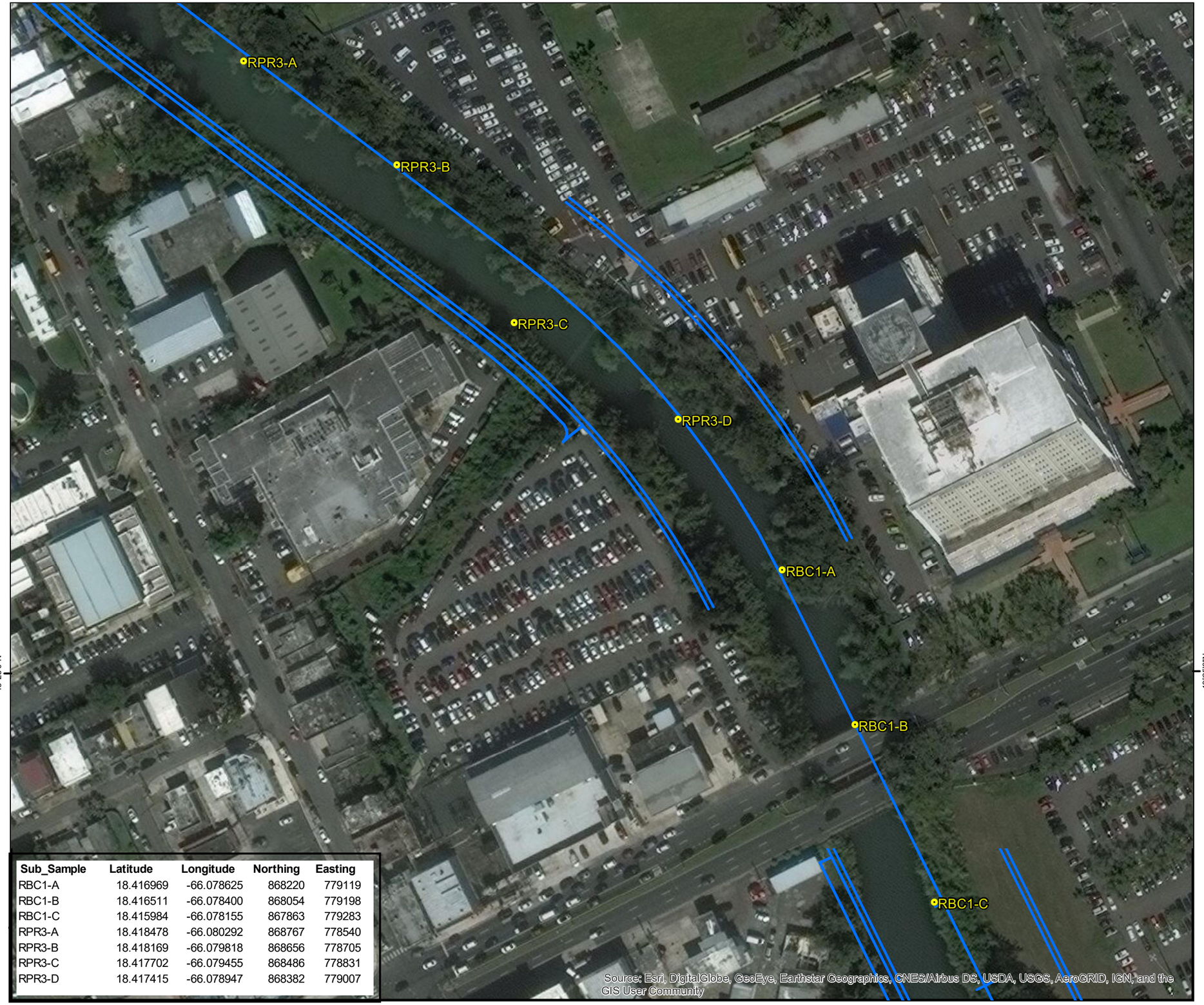
Data sources: ANAMAR, USACE, NOAA

May 2025

Map 3
Rio Piedras River
Reach 3 and Bridge Cut
Sampling Locations



Legend

- Actual Sampling Location
- Channel Boundary

N
W E
S

Feet
0 100 200

Sub_Sample	Latitude	Longitude	Northing	Easting
RBC1-A	18.416969	-66.078625	868220	779119
RBC1-B	18.416511	-66.078400	868054	779198
RBC1-C	18.415984	-66.078155	867863	779283
RPR3-A	18.418478	-66.080292	868767	778540
RPR3-B	18.418169	-66.079818	868656	778705
RPR3-C	18.417702	-66.079455	868486	778831
RPR3-D	18.417415	-66.078947	868382	779007

LOCATOR

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Data sources: ANAMAR, USACE, NOAA

May 2025

Map 4
Rio Piedras River
Reach 4 and Reach 5
Sampling Locations

Sub_Sample	Latitude	Longitude	Northing	Easting
RPR-SW	18.414300	-66.076950	867252	779702
RPR4-A	18.415195	-66.077760	867577	779421
RPR4-B	18.414779	-66.077444	867426	779530
RPR4-C	18.414420	-66.076977	867296	779692
RPR4-D	18.414019	-66.076562	867151	779837
RPR4-E	18.413767	-66.076069	867060	780007
RPR5-A	18.413355	-66.075668	866910	780147
RPR5-B	18.412971	-66.074945	866771	780398
RPR5-C	18.412440	-66.074320	866579	780615
RPR5-D	18.687489	-66.072832	966463	780934
RPR5-E	18.411770	-66.072400	866337	781281

Legend

Actual Sampling Location

Channel Boundary

N
W E
S

Feet
0 100 200

LOCATOR

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Data sources: ANAMAR, USACE, NOAA

May 2025

TABLES

Acronyms and Qualifiers in Tables

Grain Size Definitions

Gravel	Particles ≥4.750 mm	Silt	Particles 0.005–0.074 mm
Sand	Particles 0.075–4.749 mm	Clay	Particles <0.005 mm

Unified Soil Classification System (USCS) classes

CH	Clay of high plasticity, elastic silt
CL	Clay
GP	Poorly-graded gravel
SC	Clayey sand
SM	Silty sand
SW-SM	Well-graded sand
SP	Poorly-graded sand
MH	Silt of high plasticity, elastic silt
ML	Silt of low plasticity
OH	Organic clay, organic silt

Metals Data Qualifiers

J The result is an estimated value.

U The analyte was analyzed for but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition*: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.

Organics Data Qualifiers

* Flagged value is not within established control limits.

J Estimated concentration value detected below the reporting limit.

PI The reported value is greater than 40% difference between the concentrations determined on two GC columns where applicable.

U This analyte is not detected above the reporting limit (RL) or if noted, not detected above the limit of detection (LOD).

YI Raised reporting limit due to interference

ND Analyte NOT DETECTED at or above the reporting limit

Acronyms and Symbols Used in Tables

AET	apparent effects threshold
CMC	criteria maximum concentration
EC_{50}	effective concentration affecting 50% of a population
ERL	effects range-low
FDA	U.S. Food and Drug Administration
HMW	high molecular weight PAHs (NOAA 1989)
LC_{50}	lethal concentration affecting 50% of a population
LL	liquid limit
LMW	low molecular weight PAHs (NOAA 1989)
MDL	method detection limit
MLLW	mean lower low water
MRL	method reporting limit
NAD 83	North American Datum of 1983
ND	non-detect

NOAA	National Oceanic and Atmospheric Administration PCB congeners (see SERIM Table 5-6 for list)
NOEC	no observable effects concentration
PI	plasticity index
PL	plastic limit
TEF	toxicity equivalence factor
TEL	threshold effects level
x	no values published for the given parameter
–	no qualifier needed or no test conducted for that analyte or parameter

Acronyms and Symbols Used in the Sediment Chemistry Data Tables

Bolded Values Result is greater than or equal to the TEL and (or) ERL.

Acronyms and Symbols Used in the Elutriate Chemistry Data Tables

Bolded Values Result is greater than or equal to the CMC.

TABLE 1
Vibracore and Grab Sample Summary

Dredging Unit	Subsample ID	Clay Layer or Physical Layer Subsample ID	Date	Time	Easting[1]	Northing[1]	Project Depth (feet, PRVD02)	Metrics Per Core Sample							Notes
								Water Depth (feet)	Tide Elevation[2] (feet, PRVD02)	Sediment Surface Elevation (feet, PRVD02)	Core Penetration (feet)	Bottom of Core Elevation (feet, PRVD02)	Recovery Length (feet)	Recovery per Core (%)	
Cut 1 (North Cut)	RPR1-A	--	10/24/2020	9:30	870582	778166	-17.4	2.0	-0.4	-2.4	12.0	-14.4	6.0	50	Refusal encountered above project depth. Hit something hard, did not encounter stiff red/gray clay layer. Low recovery on both cores, possibly due to very coarse material throughout the profile. No material was lost from the bottom.
											11.5	-13.9	5.6	49	
	RPR1-B	RPR1-B-1 RPR1-B-2 RPR1-B-3	10/24/2020	10:50	870403	778080	-17.3	3.6	-0.1	-3.7	6.0	-9.7	5.8	97	Refusal encountered above project depth due to stiff red/gray clay. Stratification within the core profile encountered; collected a physical sample of each layer (RPR-B-1, B-2, and B-3).
											5.3	-9.0	5.3	100	
	RPR1-C	--	10/24/2020	12:50	870209	778049	-17.2	5.2	0.7	-4.5	5.6	-10.1	4.3	77	Refusal encountered above project depth. Did not encounter stiff red/gray clay layer.
											6.0	-10.5	4.6	77	
	RPR1-D	--	10/24/2020	13:30	870016	778057	-17.1	4.7	0.4	-4.3	7.5	-11.8	5.6	75	Refusal encountered above project depth due to rocks and stiff gray clay.
											7.2	-11.5	5.4	75	
	RPR1-E	--	10/24/2020	14:10	869807	778075	-17.0	4.5	0.8	-3.8	4.8	-8.6	2.5	52	First two coring attempts resulted in poor penetration and recovery; discarded samples. Two more cores were collected. Refusal was encountered above the project depth and recovery was low; both cores retained for processing. Did not encounter stiff red/gray clay layer.
											4.8	-8.6	3.1	65	
Cut 1 (North Cut)	RPR2-A	RPR2-Clay-COMP	10/25/2020	8:00	869609	778079	-16.9	3.9	0.0	-3.9	4.0	-7.9	2.9	73	Refusal encountered above project depth. Stiff red/gray clay encountered between approx. -5.4 to 5.9 ft PRVD. Collected separate clay sample (RPR2-Clay-COMP). Low recoveries for all cores, retained for processing.
											3.0	-6.9	2.2	73	
											3.2	-7.1	2.4	75	
											2.8	-6.7	1.8	64	
											2.8	-6.7	2.0	71	
											2.8	-6.7	2.1	75	
	RPR2-B		10/25/2020	9:10	869408	778101	-16.8	6.5	-0.3	-6.8	--	--	--	--	Encountered stiff red/gray clay at surface, no overlying material. Tried several locations, but this area apprears to be scoured out. No sample collected at this station.
	RPR2-C		10/25/2020	11:20	869670	778093	-16.6	2.4	-0.2	-2.6	4.8	-7.4	4.2	88	Relocated this station to an area with some material above the red/gray clay layer. Refusal encountered above project depth. Stiff red/gray clay encountered at approx. -6.0 ft PRVD. Collected separate clay sample (RPR2-Clay-COMP). Several cores with low recoveries.
											4.8	-7.4	2.8	58	
											4.9	-7.5	2.8	57	
											4.5	-7.1	2.8	62	
											3.5	-6.1	2.3	66	
											3.8	-6.4	3.6	95	
	RPR2-D		10/25/2020	11:05	869045	778259	-16.5	7.2	-0.2	-7.4	--	--	--	--	Encountered stiff red/gray clay at surface, no overlying material. Tried several locations, but this area apprears to be scoured out. No sample collected at this station.
	RPR2-E		10/25/2020	9:35	868900	778401	-16.4	3.8	-0.3	-4.0	3.0	-7.0	2.4	80	Relocated this station to an area with some material above the red/gray clay layer. Refusal encountered above project depth. Stiff red/gray clay encountered at approx. -7.5 ft PRVD. Collected separate clay sample (RPR2-Clay-COMP). Several cores with low recoveries.
											4.5	-8.5	3.7	82	
											4.0	-8.0	2.8	70	
											4.2	-8.2	3.8	90	
											3.6	-7.6	2.0	56	
											4.8	-8.8	3.5	73	

TABLE 1 (*continued*)
Vibracore and Grab Sample Summary

Dredging Unit	Subsample ID	Clay Layer or Physical Layer Subsample ID	Date	Time	Easting[1]	Northing[1]	Project Depth (feet, PRVD02)	Metrics Per Core Sample							Notes
								Water Depth (feet)	Tide Elevation[2] (feet, PRVD02)	Sediment Surface Elevation (feet, PRVD02)	Core Penetration (feet)	Bottom of Core Elevation (feet, PRVD02)	Recovery Length (feet)	Recovery per Core (%)	
Cut 1 (North Cut)	RPR3-A	RPR3-Clay-COMP	10/26/2020	9:15	868769	778540	-16.3	4.5	0.1	-4.4	3.7	-8.1	3.3	89	Winch broke during sampling, finished station the next day. Refusal encountered above project depth. Stiff gray clay encountered at approx. -7.4 to -7.8 ft PRVD. Collected separate clay sample (RPR3-Clay-COMP). 2nd core had low recovery, discarded.
											4.2	-8.6	2.3	55	
			10/27/2020	8:15	868767	778540		4.9	0.1	-4.8	4.1	-8.9	4.1	100	
											3.1	-7.9	2.9	94	
	RPR3-B		10/27/2020	9:20	868656	778705	-16.2	4.6	0.3	-4.3	4.6	-8.9	4.0	87	Refusal encountered above project depth. Stiff red/gray clay encountered at approx. -7.3 ft PRVD. Collected separate clay sample (RPR3-Clay-COMP). 2nd core had low recovery, discarded.
											4.5	-8.8	2.8	62	
											4.0	-8.3	3.9	98	
											4.0	-8.3	3.3	83	
	RPR3-C		10/27/2020	10:05	868486	778831	-16.1	5.7	0.2	-5.5	3.5	-9.0	2.7	77	Relocated station due to rocks/concrete at sediment surface of target location. Refusal encountered above project depth. Stiff red/gray clay encountered at approx. -7.0 ft PRVD. Collected one core to get a separate clay sample (RPR3-Clay-COMP). Due to shallow overlying sediment (<2 ft); collected additional surface grab samples for volume.
	RPR3-D		10/25/2020	14:15	868382	779007	-15.9	4.1	0.6	-3.5	3.5	-7.0	3.0	86	Refusal encountered above project depth. Stiff red/gray clay encountered at approx. -4.5 ft PRVD. Collected one core to get a separate clay sample (RPR3-Clay-COMP). Due to shallow overlying sediment (<2 ft); collected additional surface grab samples for volume.
Bridge Cut	RBC1-A	RBC1-Clay-COMP	10/27/2020	11:30	868220	779119	-15.8	2.2	0.0	-2.2	6.2	-8.4	5.2	84	Refusal encountered above project depth. Stiff red/gray clay encountered at approx. -7.7 ft PRVD. Collected separate clay sample (RBC1-Clay-COMP).
											6.0	-8.2	4.0	67	
											5.8	-8.0	5.8	100	
											5.8	-8.0	4.2	72	
	RBC1-B		10/27/2020	14:20	868054	779198	-15.7	3.2	0.1	-3.1	4.3	-7.4	3.8	88	Refusal encountered above project depth. Stiff red/gray clay encountered at approx. -6.6 ft PRVD. Collected separate clay sample (RBC1-Clay-COMP).
											3.5	-6.6	3.5	100	
											3.8	-6.9	3.7	97	
											3.8	-6.9	3.7	97	
	RBC1-C		10/27/2020	15:15	867863	779283	-15.6	1.8	0.4	-1.4	2.8	-4.2	2.4	86	Refusal encountered above project depth. Stiff red/gray clay encountered at approx. -2.0 ft PRVD. Collected one core to get a separate clay sample (RBC1-Clay-COMP). Due to shallow overlying sediment (<2 ft); collected additional surface grab samples for volume.

TABLE 1 (*continued*)
Vibracore and Grab Sample Summary

Dredging Unit	Subsample ID	Clay Layer or Physical Layer Subsample ID	Date	Time	Easting[1]	Northing[1]	Project Depth (feet, PRVD02)	Metrics Per Core Sample							Notes
								Water Depth (feet)	Tide Elevation[2] (feet, PRVD02)	Sediment Surface Elevation (feet, PRVD02)	Core Penetration (feet)	Bottom of Core Elevation (feet, PRVD02)	Recovery Length (feet)	Recovery per Core (%)	
Cut 2 (South Cut)	RPR4-A	RPR4-Clay-COMP	10/28/2020	8:30	867577	779421	-15.4	2.2	1.0	-1.2	4.2	-5.4	2.7	64	Refusal encountered above project depth. Stiff gray clay encountered at approx. -7.7 ft PRVD. Collected separate clay sample (RPR4-Clay-COMP). 1st core had low recovery, discarded.
											7.1	-8.3	6.2	87	
											6.6	-7.8	5.8	88	
	RPR4-B		10/28/2020	8:59	867426	779530	-15.4	1.8	0.5	-1.3	2.6	-3.9	2.5	96	Refusal encountered above project depth. Stiff red/gray clay encountered at approx. -4.4 ft PRVD. Collected one core to get a separate clay sample (RPR4-Clay-COMP). Due to shallow overlying sediment (<2 ft); collected additional surface grab samples for volume.
	RPR4-C		10/28/2020	9:35	867296	779692	-15.3	2.3	0.5	-1.8	2.8	-4.6	2.4	86	Refusal encountered above project depth. Stiff red/gray clay encountered at approx. -2.3 ft PRVD. Collected one core to get a separate clay sample (RPR4-Clay-COMP). Due to shallow overlying sediment (<2 ft); collected additional surface grab samples for volume.
	RPR4-D		10/28/2020	10:10	867151	779837	-15.1	3.3	0.5	-2.8	2.7	-5.5	2.7	100	Refusal encountered above project depth. Stiff red/gray clay encountered at approx. -4.8 ft PRVD. Collected separate clay sample (RPR4-Clay-COMP).
											2.5	-5.3	2.3	92	
											3.0	-5.8	3.0	100	
	RPR4-E		10/28/2020	11:00	867060	780007	-15.0	1.4	0.4	-1.0	5.8	-6.8	4.4	76	Refusal encountered above project depth. Stiff red/gray clay encountered at approx. -4.0 ft PRVD. Collected separate clay sample (RPR4-Clay-COMP).
											5.0	-6.0	4.6	92	

TABLE 1 (*continued*)
Vibracore and Grab Sample Summary

Dredging Unit	Subsample ID	Clay Layer or Physical Layer Subsample ID	Date	Time	Easting[1]	Northing[1]	Project Depth (feet, PRVD02)	Metrics Per Core Sample: Water Depth (feet)	Tide Elevation[2] (feet, PRVD02)	Sediment Surface Elevation (feet, PRVD02)	Core Penetration (feet)	Bottom of Core Elevation (feet, PRVD02)	Recovery Length (feet)	Recovery per Core (%)	Notes
Cut 2 (South Cut)	RPR5-A	RPR5-Clay-COMP	10/28/2020	14:00	866910	780147	-15.0	3.6	0.3	-3.3	1.2	-4.5	1.1	92	Refusal encountered above project depth. Stiff red/gray clay encountered at approx. -3.8 ft PRVD. Collected one core to get a separate clay sample (RPR5-Clay-COMP). Due to shallow overlying sediment (<2 ft); collected additional surface grab samples for volume.
	RPR5-B		10/28/2020	17:00	866771	780398	-14.7	1.3	0.5	-0.8	3.5	-4.3	2.0	57	Refusal encountered above project depth. Stiff red/gray clay encountered at approx. -2.8 ft PRVD. Collected one core to get a separate clay sample (RPR5-Clay-COMP). Low recovery. Due to shallow overlying sediment (<2 ft); collected additional surface grab samples for volume.
	RPR5-C		10/28/2020	16:00	866579	780615	-14.6	1.8	0.5	-1.3	2.4	-3.7	1.7	71	Refusal encountered above project depth. Stiff red/gray clay encountered at approx. -2.5 ft PRVD. Collected one core to get a separate clay sample (RPR5-Clay-COMP). Low recovery. Due to shallow overlying sediment (<2 ft); collected additional surface grab samples for volume.
	RPR5-D		10/28/2020	15:15	966463	780934	-14.5	1.5	0.4	-1.1	--	--	--	--	Station ~40 feet upstream of gravel/cobble bed with rocks up to 1 foot in diameter. Attempted 3 cores across the width of the channel and encountered refusal at 2.0 feet or less at each coring attempt. Refusal caused by large gravel/cobbles. Surface grab samples collected.
	RPR5-E		10/28/2020	14:30	866337	781281	-14.3	2.4	0.2	-2.2	12.2	-14.4	9.3	76	Reached project depth at this station. Did not encounter stiff red/gray clay layer.
San Juan Harbor Reference	SJHJ20-REF	--	10/29/2020	7:20	742904	893955	--	180	--	--	--	--	--	--	Grab sample and site water collected at offshore reference station.

Notes

[1] Coordinates were recorded in the field and were referenced to North American Datum of 1983, State Plane Coordinate System, Puerto Rico/Virgin Islands (Zone 5200), US Survey Feet.

[2] Elevation data were collected in the field using a Spectra SP80 Global Navigation Satellite System receiver interfaced with the Puerto Rico VRS network, and were referenced to Puerto Rico Vertical Datum of 2002.

ft = feet

PRVD02 = Puerto Rico Vertical Datum of 2002

(--) = Not applicable

Sources: Athena and ANAMAR

TABLE 2
Reference and Site Water Sample Summary Including Water Column Measurements

Sample ID:	Reference	Site Water		Sampling Stations[2]			
	SJH20-REF	SJH20-REF-SW	RPR-SW	RPR1	RPR2	RPR3	RBC1
Date	10/29/20	10/29/20	10/31/20	10/31/20			
Start/End Times (EST)	0720-0820	0825-0850	1130-1200	1100-1125			
Depth of Water (feet)	180	180	3.2	6.3	8.7	6.3	3.7
Time of Measurement (EST)		0825	1130	1123	1117	1111	1107
Depth of Measurement (feet)		3	1.5	approximately 2 feet below the surface			
Water Temperature (°C)		29.0	30.1	30.2	29.9	30.2	29.7
pH (units)		8.20	7.75	7.79	7.77	7.71	7.66
Salinity (ppt)		35.04	29.18	33.63	34.31	32.99	25.8
Sp. Conductivity (µS/cm)		53280	45565	51628	52355	49553	40224
Dissolved Oxygen (mg/L)		5.78	3.34	2.27	1.21	2.58	2.64
Dissolved Oxygen (%)		91.1	51.8	34.8	18.3	37.1	35
Turbidity (NTU)		1.41	6.23	6.49	6.89	7.51	7.74
Easting[1]	742904	742800	779706	778048	778208	778887	779324
Northing[1]	893955	894595	867254	870169	869185	868480	867698
Sampling Method	Double van Veen	Submersible Pump	Pneumatic Pump	Pneumatic Pump			
Field Description of Sample	Silt, fine, and medium sand; green gray, olive gray and light gray in color; some living organisms observed; some debris observed; no H2S odor detected	Colorless; no suspended materials or odor observed	Brown in color; no suspended materials or odor observed				
Weather/Tidal Cycle	10-15 knot winds from the SW, >5 ft seas, Partly cloudy skies, and a drizzle of rain	10-15 knot winds from the SW, >5 ft seas, sunny skies	5-10 knot winds from the SE, calm seas, sunny skies	5-10 knot winds from the SE, calm seas, sunny skies, mid-incoming tide			

[1] Datum 5200 P.R. and V.I. State Plane (U.S. survey feet). Converted from latitude/longitude using the webpage www.earthpoint.us/StatePlain.aspx
[2] Water quality readings were not collected in Reach 5 because the water was too shallow for the boat to reach that area.
Source: ANAMAR Environmental Consulting, Inc.

TABLE 3
Results of Physical Analyses for Sediment Subsamples

Analyte / Subsample ID:		Cut 1 (North Cut)							
		RPR1-A	RPR1-B	RPR1-B1 (Top Layer)	RPR1-B2 (Bottom Layer)	RPR1-B3 (Middle Layer)	RPR1-C	RPR1-D	RPR1-E
Sediment Description		Sand, poorly-graded with clay, mostly medium to fine-grained quartz, little coarse to fine sand-sized shell and rock fragments, few fine gravel-size shell and rock fragments, trace clay, trace silt, brown	Fat clay, some medium to fine-grained quartz sand, little silt, trace coarse to fine sand-size shell and rock fragments, trace fine gravel-size shell and rock fragments, gray	Sand, poorly-graded with silt, mostly medium to fine-grained quartz, little fine gravel-size shell and rock fragments, little coarse to fine sand-size shell and rock fragments, few silt, trace clay, gray	Fat clay with sand, some silt, little medium to fine-grained quartz sand, trace coarse to fine sand-size shell and rock 1" fragments, gray	Fat clay, little silt, trace medium to fine-grained quartz sand, trace coarse to fine sand-size shell and rock 1" fragments, gray	Fat clay, some medium to fine-grained quartz sand, little silt, few coarse to fine sand-size shell and rock fragments, trace fine gravel-size shell and rock fragments, gray	Silty sand, mostly medium to fine-grained quartz, little silt, little clay, few coarse to fine sand-size shell and rock fragments, trace fine gravel-size shell and rock fragments, gray	Silty sand, mostly medium to fine-grained quartz, little silt, little clay, little coarse to fine sand-size shell and rock fragments, few fine gravel-size shell and rock fragments, gray
% Gravel		9.2	2.6	21.6	0.0	0.0	4.4	0.5	9.9
% Coarse Sand		12.4	4.7	11.7	1.0	0.1	3.3	5.9	10.6
% Medium Sand		52.2	15.4	42.3	6.6	2.5	22.0	30.5	28.2
% Fine Sand		20.3	21.5	13.4	18.0	2.4	15.3	27.1	18.1
% Sand (total)		84.9	41.6	67.4	25.6	5.0	40.6	63.5	56.9
% Silt		2.3	24.8	7.5	34.7	25.1	21.4	21.5	18.0
% Clay		3.6	31.0	3.5	39.7	69.9	33.6	14.5	15.2
% Silt & Clay (combined)		5.9	55.8	11.0	74.4	95.0	55.0	36.0	33.2
% Solids		80.6	70.0	83.4	68.8	71.3	72.1	78.8	79.8
USCS Classification		SP-SC	CH	SP-SM	CH	CH	CH	SM	SM
% Passing Sieve Size	**Metric Equivalent (mm)**								
1 inch	**25.4**	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.75 inch	**19.1**	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.375 inch	**9.5**	96.2	100.0	85.2	100.0	100.0	96.0	100.0	100.0
#4	**4.75**	90.8	97.4	78.4	100.0	100.0	95.6	99.5	90.1
#10	**2.00**	78.4	92.7	66.7	99.0	99.9	92.3	93.6	79.5
#20	**0.85**	54.1	87.5	46.0	97.2	99.1	83.2	80.4	64.2
#40	**0.425**	26.2	77.3	24.4	92.4	97.4	70.3	63.1	51.3
#60	**0.250**	13.4	67.9	15.0	87.3	96.4	60.8	48.5	42.6
#100	**0.149**	7.7	62.0	12.6	82.2	95.9	57.7	40.6	37.9
#200	**0.075**	5.9	55.8	11.0	74.4	95.0	55.0	36.0	33.2
Hydrometer Readings (% less than the following sizes)		5.4 @ 0.0353 mm	46.4 @ 0.0302 mm	5.3 @ 0.0351 mm	62.5 @ 0.0288 mm	91.4 @ 0.0256 mm	46.2 @ 0.0300 mm	28.4 @ 0.0321 mm	23.2 @ 0.0325 mm
		5.0 @ 0.0224 mm	43.3 @ 0.0194 mm	4.6 @ 0.0223 mm	58.2 @ 0.0186 mm	87.6 @ 0.0165 mm	44.7 @ 0.0191 mm	24.5 @ 0.0207 mm	22.0 @ 0.0207 mm
		4.6 @ 0.0130 mm	38.6 @ 0.0115 mm	4.0 @ 0.0130 mm	51.2 @ 0.0111 mm	79.9 @ 0.0099 mm	40.2 @ 0.0113 mm	21.9 @ 0.0121 mm	19.7 @ 0.0121 mm
		3.9 @ 0.0092 mm	35.6 @ 0.0082 mm	4.0 @ 0.0092 mm	46.9 @ 0.0080 mm	74.2 @ 0.0072 mm	38.0 @ 0.0081 mm	18.1 @ 0.0087 mm	18.6 @ 0.0086 mm
		3.9 @ 0.0065 mm	32.5 @ 0.0059 mm	3.6 @ 0.0065 mm	41.7 @ 0.0058 mm	70.4 @ 0.0052 mm	35.0 @ 0.0058 mm	15.5 @ 0.0063 mm	16.3 @ 0.0062 mm
		3.1 @ 0.0032 mm	26.3 @ 0.0030 mm	3.3 @ 0.0032 mm	34.7 @ 0.0029 mm	57.1 @ 0.0027 mm	29.0 @ 0.0029 mm	12.9 @ 0.0031 mm	13.9 @ 0.0031 mm
		1.6 @ 0.0014 mm	18.6 @ 0.0013 mm	2.0 @ 0.0013 mm	27.8 @ 0.0012 mm	43.8 @ 0.0012 mm	22.4 @ 0.0013 mm	9.0 @ 0.0013 mm	10.5 @ 0.0013 mm

TABLE 3 (*continued*)
Results of Physical Analyses for Sediment Subsamples

Analyte / Subsample ID:		Cut 1 (North Cut)							
		RPR2-A	**RPR2-C**	**RPR2-E**	**RPR3-A**	**RPR3-A1**	**RPR3-A2**	**RPR3-A3**	**RPR3-B**
Sediment Description		Clayey sand, mostly medium to fine-grained quartz, little clay, little silt, few coarse to fine-grained shell and rock fragments, trace fine gravel-size shell and rock fragments, gray-brown	Silty sand, mostly medium to fine-grained quartz, little silt, little clay, little fine gravel-size shell and rock fragments, few coarse to fine shell and rock fragments, gray	Silty sand, mostly medium to fine-grained quartz, little silt, little clay, little coarse to fine sand-size shell and rock fragments, few fine gravel-size shell and rock fragments, gray	Sandy elastic silt, some medium to fine-grained quartz sand, little clay, few fine gravel-size shell and rock fragments, few coarse to fine sand-size shell and rock fragments, gray	Sandy fat clay, some silt, little medium to fine-grained quartz sand, trace coarse to fine sand-size shell and rock fragments, trace fine gravel-size shell and rock fragments, brown-gray	Silty sand, mostly medium to fine-grained quartz, little coarse to fine sand-size shell and rock fragments, few fine gravel-size shell and rock fragments, few clay, brown-gray	Clayey sand, mostly medium to fine-grained quartz, little clay, little silt, few coarse to fine sand-size shell and rock fragments, trace fine gravel-size shell and rock fragments, brown-gray	Silty sand, mostly medium to fine-grained quartz, little fine gravel-size shell and rock fragments, little silt, little coarse to fine sand-size shell and rock fragments, few clay, gray
% Gravel		4.0	15.8	5.9	5.0	0.4	8.4	0.9	26.2
% Coarse Sand		8.0	4.3	10.2	4.2	1.9	13.5	7.2	10.1
% Medium Sand		36.1	33.4	38.7	12.9	8.9	45.5	37.7	22.9
% Fine Sand		12.2	20.0	18.5	19.2	18.9	14.0	19.8	14.2
% Sand (total)		56.3	57.7	67.4	36.3	29.7	73.0	64.7	47.2
% Silt		15.9	14.4	13.4	31.3	34.2	11.6	17.1	17.3
% Clay		23.8	12.1	13.3	27.4	35.7	7.0	17.3	9.3
% Silt & Clay (combined)		39.7	26.5	26.7	58.7	69.9	18.6	34.4	26.6
% Solids		75.5	80.4	78.1	74.8	69.4	80.6	77.3	77.4
USCS Classification		SC	SM	SM	SM	CH	SM	SC	SM
% Passing Sieve Size	**Metric Equivalent (mm)**								
1 inch	**25.4**	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.75 inch	**19.1**	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.375 inch	**9.5**	100.0	86.7	98.0	96.6	100.0	95.8	100.0	87.6
#4	**4.75**	96.0	84.2	94.1	95.0	99.6	91.6	99.1	73.8
#10	**2.00**	88.0	79.9	83.9	90.8	97.7	78.1	91.9	63.7
#20	**0.85**	71.5	68.2	66.2	85.2	93.8	51.7	70.9	52.2
#40	**0.425**	51.9	46.5	45.2	77.9	88.8	32.6	54.2	40.8
#60	**0.250**	45.1	34.7	34.1	70.6	83.3	25.1	45.2	35.0
#100	**0.149**	42.3	30.2	29.9	64.8	77.4	21.5	39.6	30.9
#200	**0.075**	39.7	26.5	26.7	58.7	69.9	18.6	34.4	26.6
Hydrometer Readings (% less than the following sizes)		33.3 @ 0.0316 mm	19.7 @ 0.0330 mm	19.8 @ 0.0332 mm	44.8 @ 0.0305 mm	54.0 @ 0.0307 mm	11.5 @ 0.0343 mm	27.9 @ 0.0316 mm	15.8 @ 0.0325 mm
		31.9 @ 0.0202 mm	17.5 @ 0.0211 mm	18.1 @ 0.0212 mm	40.2 @ 0.0197 mm	52.1 @ 0.0196 mm	11.1 @ 0.0217 mm	25.6 @ 0.0203 mm	14.2 @ 0.0209 mm
		29.1 @ 0.0118 mm	15.3 @ 0.0124 mm	16.3 @ 0.0124 mm	35.5 @ 0.0116 mm	44.4 @ 0.0116 mm	9.6 @ 0.0127 mm	23.3 @ 0.0119 mm	13.4 @ 0.0121 mm
		27.0 @ 0.0084 mm	13.1 @ 0.0088 mm	15.2 @ 0.0088 mm	33.2 @ 0.0083 mm	41.5 @ 0.0083 mm	8.7 @ 0.0090 mm	20.5 @ 0.0085 mm	12.7 @ 0.0086 mm
		25.0 @ 0.0060 mm	12.6 @ 0.0063 mm	14.0 @ 0.0063 mm	29.4 @ 0.0060 mm	37.6 @ 0.0060 mm	7.7 @ 0.0064 mm	18.6 @ 0.0061 mm	10.3 @ 0.0062 mm
		20.8 @ 0.0030 mm	10.4 @ 0.0031 mm	11.7 @ 0.0031 mm	23.2 @ 0.0030 mm	30.9 @ 0.0030 mm	5.8 @ 0.0032 mm	14.0 @ 0.0031 mm	8.7 @ 0.0031 mm
		16.7 @ 0.0013 mm	8.8 @ 0.0013 mm	8.2 @ 0.0013 mm	18.6 @ 0.0013 mm	23.2 @ 0.0013 mm	3.9 @ 0.0013 mm	12.2 @ 0.0013 mm	7.1 @ 0.0013 mm

TABLE 3 (*continued*)
Results of Physical Analyses for Sediment Subsamples

Analyte / Subsample ID:		Cut 1 (North Cut)		Bridge Cut			Cut 2 (South Cut)			
		RPR3-C	RPR3-D	RBC1-A	RBC1-B	RBC1-C	RPR4-A	RPR4-B	RPR4-C	RPR4-D
Sediment Description		Sand, poorly-graded with silt, mostly coarse to fine-grained quartz, little fine gravel-size shell and rock fragments, few silt, trace clay, gray	Sand, poorly-graded, mostly medium quartz, little coarse to fine sand-size shell and rock fragments, little fine gravel-size shell and rock fragments, trace silt, trace clay, gray	Silty sand, mostly medium to fine-grained quartz, little silt, little clay, little fine gravel-size shell and rock fragments, few coarse to fine sand-size shell and rock fragments, gray	Sandy silt, some medium to fine-grained quartz sand, little clay, few coarse to fine sand-size shell and rock fragments, few fine gravel-size shell and rock fragments, gray	Sand, poorly-graded, mostly medium to fine-grained quartz, little coarse to fine sand-size shell and rock fragments, few fine gravel-size shell and rock fragments, trace silt, trace clay, gray	Silty sand, mostly medium to fine-grained quartz, little fine gravel-size shell and rock fragments, little coarse to fine sand-size shell and rock fragments, few silt, few clay, gray	Gravel, poorly-graded, mostly coarse to fine gravel-size rock fragments, some coarse to fine-grained quartz sand, little coarse to fine sand-size shell and rock fragments, trace silt, trace clay, gray and brown	Gravel, poorly-graded, mostly coarse to fine gravel-size rock fragments, little coarse to fine-grained quartz sand, little coarse to fine sand-size shell and rock fragments, trace silt, trace clay, gray and brown	Silty sand, mostly medium to fine-grained quartz, little silt, little coarse to fine sand-size shell and rock fragments, little fine gravel-size shell and rock fragments, few clay, gray
% Gravel		24.6	12.2	13.8	5.5	10.8	21.2	54.4	65.4	12.8
% Coarse Sand		35.5	23.0	11.4	5.8	19.7	10.3	17.5	20.9	14.8
% Medium Sand		27.5	57.3	15.7	11.2	59.7	28.0	21.7	12.1	22.9
% Fine Sand		3.0	3.6	13.0	26.4	5.3	22.4	2.0	1.2	20.6
% Sand (total)		66.0	83.9	40.1	43.4	84.7	60.7	41.2	34.2	58.3
% Silt		7.6	2.6	24.8	25.8	3.5	11.9	4.3	0.4	22.5
% Clay		1.8	1.3	21.3	25.3	1.0	6.2	0.1	0.0	6.4
% Silt & Clay (combined)		9.4	3.9	46.1	51.1	4.5	18.1	4.4	0.4	28.9
% Solids		83.3	86.5	74.3	71.3	86.0	78.8	93.6	92.4	93.4
USCS Classification		SP-SM	SP	SM	SM	SP	SM	GP	GP	SM
% Passing Sieve Size	**Metric Equivalent (mm)**									
1 inch	**25.4**	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.75 inch	**19.1**	100.0	100.0	100.0	100.0	100.0	100.0	84.2	86.4	100.0
0.375 inch	**9.5**	93.8	98.5	95.5	97.0	93.9	89.0	58.0	53.0	100.0
#4	**4.75**	75.4	87.8	86.2	94.5	89.2	78.8	45.6	34.6	87.2
#10	**2.00**	39.9	64.8	74.8	88.7	69.5	68.5	28.1	13.7	72.4
#20	**0.85**	18.4	27.4	65.6	84.8	33.4	56.7	12.5	3.5	59.0
#40	**0.425**	12.4	7.5	59.1	77.5	9.8	40.5	6.4	1.6	49.5
#60	**0.250**	11.0	5.0	54.3	66.2	6.1	28.8	5.2	1.0	41.6
#100	**0.149**	10.2	4.4	50.4	58.2	5.1	22.4	4.7	0.6	34.4
#200	**0.075**	9.4	3.9	46.1	51.1	4.5	18.1	4.4	0.4	28.9
Hydrometer Readings (% less than the following sizes)		2.9 @ 0.0349 mm	1.3 @ 0.0363 mm	31.1 @ 0.0307 mm	36.5 @ 0.0318 mm	1.0 @ 0.0368 mm	11.5 @ 0.0341 mm	0.1 @ 0.0370 mm	0.0 @ 0.0370 mm	10.8 @ 0.0341 mm
		2.7 @ 0.0221 mm	1.3 @ 0.0230 mm	29.5 @ 0.0196 mm	34.3 @ 0.0203 mm	1.0 @ 0.0233 mm	10.7 @ 0.0217 mm	0.1 @ 0.0234 mm	0.0 @ 0.0234 mm	10.0 @ 0.0217 mm
		2.6 @ 0.0128 mm	1.3 @ 0.0133 mm	26.7 @ 0.0116 mm	32.0 @ 0.0119 mm	1.0 @ 0.0134 mm	9.1 @ 0.0127 mm	0.1 @ 0.0135 mm	0.0 @ 0.0135 mm	8.5 @ 0.0127 mm
		2.2 @ 0.0091 mm	1.3 @ 0.0094 mm	24.5 @ 0.0083 mm	30.5 @ 0.0084 mm	1.0 @ 0.0095 mm	7.5 @ 0.0091 mm	0.1 @ 0.0096 mm	0.0 @ 0.0096 mm	7.8 @ 0.0090 mm
		1.9 @ 0.0065 mm	1.3 @ 0.0066 mm	22.2 @ 0.0059 mm	26.8 @ 0.0061 mm	1.0 @ 0.0067 mm	6.7 @ 0.0065 mm	0.1 @ 0.0068 mm	0.0 @ 0.0068 mm	7.0 @ 0.0064 mm
		1.6 @ 0.0032 mm	1.3 @ 0.0032 mm	18.9 @ 0.0030 mm	23.1 @ 0.0030 mm	1.0 @ 0.0033 mm	5.2 @ 0.0032 mm	0.1 @ 0.0033 mm	0.0 @ 0.0033 mm	5.2 @ 0.0032 mm
		1.3 @ 0.0013 mm	1.3 @ 0.0014 mm	14.5 @ 0.0013 mm	14.9 @ 0.0013 mm	1.0 @ 0.0014 mm	3.6 @ 0.0013 mm	0.0 @ 0.0014 mm	0.0 @ 0.0014 mm	3.7 @ 0.0013 mm

TABLE 3 (*continued*)
Results of Physical Analyses for Sediment Subsamples

Analyte / Subsample ID:		Cut 2 (South Cut)						Toxicology Control Samples			
		RPR4-E	RPR5-A	RPR5-B	RPR5-C	RPR5-D	RPR5-E	*Ampelisca*	Mysid	*Alitta*	*Macoma*
Sediment Description		Sand, poorly-graded with silt, mostly medium to fine-grained quartz, some coarse to fine gravel-size shell and rock fragments, little coarse to fine sand-size shell and rock fragments, few silt, trace clay, brown	Sand, poorly-graded with silt, mostly medium to fine-grained quartz, some coarse to fine gravel-size shell and rock fragments, little coarse to fine sand-size shell and rock fragments, few silt, trace clay, gray	Sand, poorly-graded with silt, mostly medium to fine-grained quartz, some fine gravel-size shell and rock fragments, little coarse to fine sand-size shell and rock fragments, trace silt, trace clay, brown	Gravel, poorly-graded, mostly coarse to fine gravel-size rock fragments, little coarse to fine sand-size shell and rock fragments, little medium to fine-grained quartz sand, trace silt, brown	Sand, poorly-graded, mostly medium to fine-grained quartz, some coarse to fine gravel-size shell and rock fragments, little coarse to fine sand-size shell and rock fragments, trace silt, brown	Silty sand, mostly medium to fine-grained quartz, little fine gravel-size shell and rock fragments, little silt, few coarse to fine sand-size shell and rock fragments, trace clay, gray	Fat clay, some silt, trace medium to fine-grained sand, dark gray	Sand, poorly-graded, mostly medium to fine-grained quartz, trace silt, trace clay, gray	Silty sand, mostly medium to fine-grained quartz, little silt, few clay, gray	Sand, poorly-graded, mostly medium to fine-grained quartz, trace clay, trace silt, gray
% Gravel		36.4	30.8	31.6	67.8	48.1	27.7	0.0	0.0	0.0	0.0
% Coarse Sand		15.0	21.4	25.1	17.9	14.1	11.3	0.0	0.0	0.0	0.0
% Medium Sand		28.0	30.9	31.6	12.8	31.9	28.1	0.1	0.5	2.4	21.8
% Fine Sand		9.4	6.3	6.6	1.1	5.2	14.8	0.8	97.2	58.7	77.1
% Sand (total)		52.4	58.6	63.3	31.8	51.2	54.2	0.9	97.7	61.1	98.9
% Silt		9.4	9.0	4.6	0.4	0.7	13.8	40.8	0.6	27.3	0.1
% Clay		1.8	1.6	0.5	0.0	0.0	4.3	58.3	1.7	11.6	1.0
% Silt & Clay (combined)		11.2	10.6	5.1	0.4	0.7	18.1	99.1	2.3	38.9	1.1
% Solids		88.6	87.0	90.6	94.2	91.5	80.0				
USCS Classification		SP-SM	SP-SM	SP-SM	GP	SP	SM	CH	SP	SM	SP
% Passing Sieve Size	**Metric Equivalent (mm)**										
1 inch	**25.4**	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.75 inch	**19.1**	93.4	90.0	100.0	77.0	91.3	100.0	100.0	100.0	100.0	100.0
0.375 inch	**9.5**	79.6	81.5	86.6	50.9	68.2	84.8	100.0	100.0	100.0	100.0
#4	**4.75**	63.6	69.2	68.4	32.2	51.9	72.3	100.0	100.0	100.0	100.0
#10	**2.00**	48.6	47.8	43.3	14.3	37.8	61.0	100.0	100.0	100.0	100.0
#20	**0.85**	32.7	26.0	22.8	4.7	21.5	46.2	100.0	100.0	99.5	96.7
#40	**0.425**	20.6	16.9	11.7	1.5	5.9	32.9	99.9	99.5	97.6	78.2
#60	**0.250**	15.6	13.8	6.9	0.7	1.6	25.6	99.7	79.1	92.7	18.8
#100	**0.149**	13.3	12.1	5.6	0.5	0.9	21.7	99.5	14.0	75.3	1.7
#200	**0.075**	11.2	10.6	5.1	0.4	0.7	18.1	99.1	2.3	38.9	1.1
Hydrometer Readings (% less than the following sizes)		3.8 @ 0.0354 mm	3.8 @ 0.0347 mm	0.5 @ 0.0368 mm	0.0 @ 0.0371 mm	0.0 @ 0.0371 mm	8.1 @ 0.0345 mm	86.6 @ 0.0293 mm	1.7 @ 0.0365 mm	21.8 @ 0.0337 mm	1.0 @ 0.0366 mm
		3.4 @ 0.0225 mm	3.2 @ 0.0222 mm	0.5 @ 0.0233 mm	0.0 @ 0.0235 mm	0.0 @ 0.0235 mm	6.8 @ 0.0221 mm	78.9 @ 0.0190 mm	1.7 @ 0.0231 mm	18.8 @ 0.0216 mm	1.0 @ 0.0231 mm
		2.9 @ 0.0131 mm	2.5 @ 0.0130 mm	0.5 @ 0.0134 mm	0.0 @ 0.0136 mm	0.0 @ 0.0136 mm	6.2 @ 0.0128 mm	71.2 @ 0.0112 mm	1.7 @ 0.0133 mm	15.9 @ 0.0126 mm	1.0 @ 0.0134 mm
		2.5 @ 0.0093 mm	2.2 @ 0.0092 mm	0.5 @ 0.0095 mm	0.0 @ 0.0096 mm	0.0 @ 0.0096 mm	5.5 @ 0.0091 mm	61.0 @ 0.0082 mm	1.7 @ 0.0094 mm	13.0 @ 0.0090 mm	1.0 @ 0.0094 mm
		2.0 @ 0.0066 mm	1.8 @ 0.0066 mm	0.5 @ 0.0067 mm	0.0 @ 0.0068 mm	0.0 @ 0.0068 mm	4.9 @ 0.0065 mm	59.7 @ 0.0058 mm	1.7 @ 0.0067 mm	12.2 @ 0.0064 mm	1.0 @ 0.0067 mm
		1.6 @ 0.0033 mm	1.3 @ 0.0032 mm	0.5 @ 0.0033 mm	0.0 @ 0.0033 mm	0.0 @ 0.0033 mm	3.3 @ 0.0032 mm	46.9 @ 0.0029 mm	1.7 @ 0.0033 mm	10.0 @ 0.0032 mm	1.0 @ 0.0033 mm
		1.1 @ 0.0014 mm	1.0 @ 0.0014 mm	0.2 @ 0.0014 mm	0.0 @ 0.0014 mm	0.0 @ 0.0014 mm	2.3 @ 0.0014 mm	40.5 @ 0.0012 mm	1.7 @ 0.0014 mm	8.5 @ 0.0013 mm	1.0 @ 0.0014 mm

See Appendix C for grain size distribution graphs and laboratory triplicate results.
Grain sizes and USCS classifications are defined at the front of the tables section.

Source: Terracon
Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 4
Results of Physical Analyses for Clay and Composited Sediment Samples

Composite ID:		Reference	Cut 1 (North Cut)				
		SJH20-REF	RPR1-Comp	RPR2-Comp	RPR2-Clay-Comp	RPR3-Comp	RPR3-Clay-Comp
Sediment Description		Fat clay, some silt, few medium to fine-grained quartz sand, trace coarse to fine sand-sized shell fragments, gray	Clayey sand, mostly medium to fine-grained quartz, little silt, little clay, few coarse to fine sand-size shell and rock fragments, few fine gravel-size shell and rock fragments, gray	Clayey sand, mostly medium to fine-grained quartz, little clay, little silt, few coarse to fine sand-size shell and rock fragments, trace fine gravel-size shell and rock fragments, gray	Fat clay with sand, some silt, little medium to fine-grained quartz sand, trace coarse to fine sand-size shell and rock fragments, trace fine gravel-size shell and rock fragments, brown	Silty sand, mostly medium to fine-grained quartz, little fine gravel-size shell and rock fragments, little coarse to fine sand-size shell and rock fragments, little silt, few clay, gray	Clayey sand, mostly medium to fine-grained quartz, little clay, little silt, little fine gravel-size shell and rock fragments, few coarse to fine sand-size shell and rock fragments, brown
% Gravel		0.0	5.4	2.7	0.3	21.5	13.9
% Coarse Sand		0.1	7.8	7.9	1.3	16.4	4.0
% Medium Sand		0.5	32.4	41.8	5.6	28.9	14.0
% Fine Sand		9.3	21.4	17.2	8.3	10.9	18.4
% Sand (total)		9.9	61.6	66.9	15.2	56.2	36.4
% Silt		45.6	17.9	14.2	33.5	14.6	21.6
% Clay		44.5	15.1	16.2	51.0	7.7	28.1
% Silt & Clay (combined)		90.1	33.0	30.4	84.5	22.3	49.7
Specific Gravity		2.720	2.702	2.714		2.677	
% Solids		55.4	76.7	77.5	76.1	79.9	76.7
Bulk Density (pcf)		51.8	89.0	92.0		98.6	
USCS Classification		CH	SC	SC	CH	SM	SC
Atterberg Limits	**PL**	25	25	24		NP	
	LL	59	50	51		NP	
	PI	34	25	27		NP	
% Passing Sieve Size	**Metric Equivalent (mm)**						
1 inch	**25.4**	100.0	100.0	100.0	100.0	100.0	100.0
0.75 inch	**19.1**	100.0	100.0	100.0	100.0	100.0	100.0
0.375 inch	**9.5**	100.0	98.7	100.0	100.0	88.2	95.2
#4	**4.75**	100.0	94.6	97.3	99.7	78.5	86.1
#10	**2.00**	99.9	86.8	89.4	98.4	62.1	82.1
#20	**0.85**	99.8	72.6	71.3	96.5	44.4	75.3
#40	**0.425**	99.4	54.4	47.6	92.8	33.2	68.1
#60	**0.250**	98.7	42.3	37.2	89.8	28.6	61.3
#100	**0.149**	97.4	36.6	33.4	87.6	25.4	55.6
#200	**0.075**	90.1	33.0	30.4	84.5	22.3	49.7
Hydrometer Readings (% less than the following sizes)		70.2 @ 0.0279 mm	22.8 @ 0.0320 mm	25.0 @ 0.0318 mm	75.6 @ 0.0274 mm	13.4 @ 0.0330 mm	38.5 @ 0.0312 mm
		60.8 @ 0.0184 mm	20.9 @ 0.0205 mm	22.9 @ 0.0204 mm	71.1 @ 0.0177 mm	12.0 @ 0.0211 mm	36.3 @ 0.0199 mm
		53.2 @ 0.0110 mm	19.4 @ 0.0120 mm	20.9 @ 0.0119 mm	60.1 @ 0.0108 mm	10.6 @ 0.0124 mm	32.6 @ 0.0117 mm
		49.5 @ 0.0079 mm	17.0 @ 0.0086 mm	17.8 @ 0.0086 mm	58.3 @ 0.0077 mm	8.6 @ 0.0089 mm	30.4 @ 0.0084 mm
		45.7 @ 0.0056 mm	16.0 @ 0.0061 mm	16.8 @ 0.0061 mm	52.9 @ 0.0056 mm	7.9 @ 0.0063 mm	28.9 @ 0.0060 mm
		40.0 @ 0.0028 mm	12.1 @ 0.0031 mm	13.8 @ 0.0031 mm	43.7 @ 0.0028 mm	7.2 @ 0.0031 mm	25.2 @ 0.0030 mm
		32.5 @ 0.0012 mm	9.2 @ 0.0013 mm	10.7 @ 0.0013 mm	34.6 @ 0.0012 mm	5.1 @ 0.0013 mm	20.7 @ 0.0013 mm

TABLE 4 (*continued*)
Results of Physical Analyses for Composited Sediment Samples

Composite ID:		Bridge Cut		Cut 2 (South Cut)			
		RBC1-Comp	RBC1-Clay-Comp	RPR4-Comp	RPR4-Clay-Comp	RPR5-Comp	RPR5-Clay-Comp
Sediment Description		Clayey sand, mostly medium to fine-grained quartz, little silt, little fine gravel-size shell and rock fragments, little coarse to fine sand-size shell and rock fragments, few clay, gray	Fat clay with sand, some silt, little medium to fine-grained quartz sand, trace coarse to fine sand-size shell and rock fragments, trace fine gravel-size shell and rock fragments, brown	Silty sand, mostly medium to fine-grained quartz, some coarse to fine gravel-size shell and rock fragments, little coarse to fine sand-size shell and rock fragments, little silt, trace clay, gray	Fat clay with sand, little medium to fine-grained quartz sand, little silt, trace coarse to fine sand-size shell and rock 1" fragments, brown	Sand, well-graded with silt, mostly gravel-size shell and rock fragments, little medium to fine-grained quartz, little coarse to fine sand-size shell and rock fragments, few silt, trace clay, gray	Fat clay with sand, some silt, little medium to fine-grained quartz sand, trace coarse to fine sand-size shell and rock fragments, trace fine gravel-size shell and rock fragments, brown
% Gravel		15.7	1.0	36.3	0.0	39.7	1.2
% Coarse Sand		11.3	1.6	14.0	0.3	16.7	0.7
% Medium Sand		26.6	5.6	22.1	3.6	25.4	4.1
% Fine Sand		10.3	12.6	12.9	13.1	8.9	14.7
% Sand (total)		48.2	19.8	49.0	17.0	51.0	19.5
% Silt		24.3	30.6	12.1	25.5	7.9	32.1
% Clay		11.8	48.6	2.6	57.5	1.4	47.2
% Silt & Clay (combined)		36.1	79.2	14.7	83.0	9.3	79.3
Specific Gravity		2.698		2.692		2.717	
% Solids		87.4	69.6	86.4	68.6	85.6	73.6
Bulk Density (pcf)		80.5		97.4		85.6	
USCS Classification		SC	CH	SM	CH	SW-SM	CH
Atterberg Limits	**PL**	28		NP		NP	
	LL	59		NP		NP	
	PI	31		NP		NP	
% Passing Sieve Size	**Metric Equivalent (mm)**						
1 inch	**25.4**	100.0	100.0	100.0	100.0	100.0	100.0
0.75 inch	**19.1**	100.0	100.0	94.9	100.0	100.0	100.0
0.375 inch	**9.5**	93.4	100.0	76.3	100.0	73.5	100.0
#4	**4.75**	84.3	99.0	63.7	100.0	60.3	98.8
#10	**2.00**	73.0	97.4	49.7	99.7	43.6	98.1
#20	**0.85**	57.1	95.5	37.4	98.6	28.1	96.3
#40	**0.425**	46.4	91.8	27.6	96.1	18.2	94.0
#60	**0.250**	41.9	87.7	21.7	92.0	13.5	90.1
#100	**0.149**	39.0	84.1	17.9	87.7	11.2	85.5
#200	**0.075**	36.1	79.2	14.7	83.0	9.3	79.3
Hydrometer Readings (% less than the following sizes)		18.3 @ 0.0323 mm	70.0 @ 0.0306 mm	5.6 @ 0.0342 mm	71.7 @ 0.0298 mm	3.5 @ 0.0348 mm	68.9 @ 0.0295 mm
		17.1 @ 0.0206 mm	67.6 @ 0.0195 mm	4.8 @ 0.0219 mm	69.5 @ 0.0190 mm	3.2 @ 0.0222 mm	62.9 @ 0.0191 mm
		15.8 @ 0.0120 mm	61.7 @ 0.0115 mm	4.5 @ 0.0127 mm	65.1 @ 0.0112 mm	2.6 @ 0.0129 mm	55.8 @ 0.0113 mm
		14.2 @ 0.0086 mm	57.0 @ 0.0082 mm	4.1 @ 0.0090 mm	60.7 @ 0.0080 mm	2.3 @ 0.0092 mm	51.7 @ 0.0081 mm
		12.6 @ 0.0062 mm	51.0 @ 0.0059 mm	3.1 @ 0.0065 mm	58.5 @ 0.0057 mm	1.7 @ 0.0066 mm	48.7 @ 0.0058 mm
		10.6 @ 0.0031 mm	43.9 @ 0.0030 mm	2.3 @ 0.0032 mm	51.8 @ 0.0029 mm	1.4 @ 0.0032 mm	41.6 @ 0.0029 mm
		7.7 @ 0.0013 mm	34.4 @ 0.0013 mm	1.4 @ 0.0014 mm	43.0 @ 0.0012 mm	0.6 @ 0.0014 mm	33.5 @ 0.0013 mm

See Appendix C for grain size distribution graphs and laboratory triplicate results.
Grain sizes and soil classifications are defined at the front of the tables section.

Source: Terracon
Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 5
Analytical Results for Total Solids and TOCs in Sediment Subsamples

Analyte:	Total Solids				Total Organic Carbon			
Sample ID	Result %	Qualifier	MDL	MRL	Result %	Qualifier	MDL	MRL
RPR1-A	83.24	--	0.04	0.04	0.15	--	0.02	0.02
RPR1-B	69.46	--	0.04	0.04	0.60	--	0.02	0.02
RPR1-C	71.52	--	0.04	0.04	0.39	--	0.02	0.02
RPR1-D	74.50	--	0.04	0.04	0.65	--	0.02	0.02
RPR1-E	78.63	--	0.04	0.04	0.47	--	0.02	0.02
RPR2-A	76.34	--	0.04	0.04	0.21	--	0.02	0.02
RPR2-C	76.30	--	0.04	0.04	0.38	--	0.02	0.02
RPR2-E	73.76	--	0.04	0.04	0.28	--	0.02	0.02
RPR3-A	72.93	--	0.04	0.04	0.32	--	0.02	0.02
RPR3-B	74.14	--	0.04	0.04	0.50	--	0.02	0.02
RPR3-C	80.49	--	0.04	0.04	0.23	--	0.02	0.02
RPR3-D	86.10	--	0.04	0.04	0.19	--	0.02	0.02
RBC1-A	66.55	--	0.04	0.04	0.89	--	0.02	0.02
RBC1-B	68.96	--	0.04	0.04	1.02	--	0.02	0.02
RBC1-C	86.63	--	0.04	0.04	0.21	--	0.02	0.02
RPR4-A	79.64	--	0.04	0.04	0.47	--	0.02	0.02
RPR4-B	92.09	--	0.04	0.04	0.19	--	0.02	0.02
RPR4-C	89.85	--	0.04	0.04	0.08	--	0.02	0.02
RPR4-D	78.60	--	0.04	0.04	0.36	--	0.02	0.02
RPR4-E	83.60	--	0.04	0.04	0.14	--	0.02	0.02
RPR5-A	86.45	--	0.04	0.04	0.39	--	0.02	0.02
RPR5-B	87.03	--	0.04	0.04	0.17	--	0.02	0.02
RPR5-C	91.91	--	0.04	0.04	0.08	--	0.02	0.02
RPR5-D	88.45	--	0.04	0.04	0.20	--	0.02	0.02
RPR5-E	78.89	--	0.04	0.04	0.19	--	0.02	0.02

Data qualifiers and acronyms are defined at the front of the tables section.

Source: Results from Analytical Resources, Inc
Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 6
Analytical Results for Total Solids and TOCs in Clay and Composited Sediment Samples

Analyte:	Total Solids				Total Organic Carbon			
Sample ID	Result %	Qualifier	MDL	MRL	Result %	Qualifier	MDL	MRL
SJH20-REF	53.83	--	0.04	0.04	0.90	--	0.02	0.02
RPR1-Comp	73.22	--	0.04	0.04	0.48	--	0.02	0.02
RPR2-Comp	74.97	--	0.04	0.04	0.27	--	0.02	0.02
RPR2-Clay-Comp	73.30	--	0.04	0.04	0.10	--	0.02	0.02
RPR3-Comp	79.67	--	0.04	0.04	0.33	--	0.02	0.02
RPR3-Clay-Comp	75.87	--	0.04	0.04	0.22	--	0.02	0.02
RBC1-Comp	78.47	--	0.04	0.04	0.48	--	0.02	0.02
RBC1-Clay-Comp	68.79	--	0.04	0.04	0.25	--	0.02	0.02
RPR4-Comp	84.06	--	0.04	0.04	0.25	--	0.02	0.02
RPR4-Clay-Comp	68.74	--	0.04	0.04	0.32	--	0.02	0.02
RPR5-Comp	86.56	--	0.04	0.04	0.24	--	0.02	0.02
RPR5-Clay-Comp	72.10	--	0.04	0.04	0.13	--	0.02	0.02
***Ampelisca* control**	38.28	--	0.04	0.04	1.42	--	0.02	0.02
Mysid control	81.16	--	0.04	0.04	0.05	--	0.02	0.02
***Alitta* control**	74.32	--	0.04	0.04	0.71	--	0.02	0.02
***Macoma* control**	80.37	--	0.04	0.04	0.07	--	0.02	0.02

Data qualifiers and acronyms are defined at the front of the tables section.

Source: Results from Analytical Resources, Inc
Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 7
Analytical Results for Dry Weight Metals in Clay and Composited Sediment Samples

Analyte	Sample ID:			SJH20-REF				RPR1-Comp				RPR2-Comp				RPR2-Clay-Comp				RPR3-Comp				RPR3-Clay-Comp			
	Maximum Conc. mg/kg	TEL mg/kg	ERL mg/kg	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL
Arsenic	**13.6**	7.24	8.2	**13.6**	--	0.04	0.35	4.99	--	0.03	0.25	4.69	--	0.03	0.24	2.85	--	0.03	0.27	4.82	--	0.03	0.24	4.57	--	0.03	0.26
Cadmium	0.12	0.676	1.2	ND	U	0.05	0.17	0.12	J	0.04	0.13	0.10	J	0.04	0.12	ND	U	0.04	0.13	0.04	J	0.04	0.12	ND	U	0.04	0.13
Chromium	46.4	52.3	81	46.4	--	0.22	0.86	24.7	--	0.33	1.25	23.2	--	0.32	1.21	26.7	--	0.35	1.34	13.0	--	0.16	0.61	21.5	--	0.17	0.65
Copper	**80.0**	18.7	34	**63.8**	--	0.59	0.86	**69.4**	--	0.43	0.63	**53.6**	--	0.41	0.61	**74.9**	--	0.46	0.67	**42.2**	--	0.41	0.61	**67.8**	--	0.44	0.65
Lead	**211**	30.24	46.7	16.3	--	0.12	0.17	16.9	--	0.09	0.13	**211**	--	0.08	0.12	7.21	--	0.09	0.13	6.07	--	0.08	0.12	6.64	--	0.09	0.13
Mercury	0.122	0.13	0.15	0.116	--	0.009	0.0426	0.0661	--	0.00597	0.0285	0.0880	--	0.00642	0.0306	0.0559	--	0.00568	0.0271	0.0550	--	0.00561	0.0267	0.0431	--	0.00500	0.0238
Nickel	**29.3**	15.9	20.9	**29.3**	--	0.09	0.86	**18.0**	--	0.06	0.63	**16.3**	--	0.06	0.61	**17.6**	--	0.07	0.67	11.4	--	0.06	0.61	14.0	--	0.06	0.65
Silver	0.40	0.73	1	0.11	J	0.03	0.35	0.13	J	0.02	0.25	0.14	J	0.02	0.24	0.08	J	0.02	0.27	0.06	J	0.02	0.24	0.06	J	0.02	0.26
Zinc	94.4	124	150	73.9	--	1.4	6.9	91.2	--	1.0	5.0	85.2	--	1.0	4.9	76.8	--	1.1	5.4	71.5	--	1.0	4.9	74.0	--	1.1	5.2

TABLE 7 (*continued*)
Analytical Results for Dry Weight Metals in Clay and Composited Sediment Samples

Analyte	RBC1-Comp				RBC1-Clay-Comp				RPR4-Comp				RPR4-Clay-Comp				RPR5-Comp				RPR5-Clay-Comp			
	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL
Arsenic	4.63	--	0.03	0.23	**8.70**	--	0.03	0.28	4.09	--	0.03	0.23	2.88	--	0.03	0.27	3.96	--	0.02	0.22	**13.5**	--	0.03	0.26
Cadmium	0.12	--	0.03	0.12	ND	U	0.04	0.14	0.07	J	0.03	0.11	0.07	J	0.04	0.13	0.05	J	0.03	0.11	ND	U	0.04	0.13
Chromium	18.5	--	0.15	0.58	18.8	--	0.18	0.69	15.2	--	0.15	0.57	21.0	--	0.35	1.34	19.2	--	0.14	0.54	24.9	--	0.34	1.31
Copper	**60.3**	--	0.39	0.58	**78.4**	--	0.47	0.69	**47.2**	--	0.39	0.57	**69.4**	--	0.45	0.66	**52.3**	--	0.37	0.54	**80.0**	--	0.45	0.66
Lead	13.0	--	0.08	0.12	9.55	--	0.09	0.14	14.5	--	0.08	0.11	7.62	--	0.09	0.13	8.16	--	0.07	0.11	8.72	--	0.09	0.13
Mercury	0.122	--	0.00492	0.0234	0.0946	--	0.00578	0.0275	0.0575	--	0.00514	0.0245	0.0794	--	0.00568	0.0270	0.0393	--	0.00427	0.0203	0.0357	--	0.00547	0.0261
Nickel	15.6	--	0.06	0.58	12.0	--	0.07	0.69	15.7	--	0.06	0.57	13.5	--	0.07	0.66	**19.3**	--	0.05	0.54	**24.6**	--	0.07	0.66
Silver	0.40	--	0.02	0.23	0.08	J	0.02	0.28	0.08	J	0.02	0.23	0.09	J	0.02	0.27	0.06	J	0.02	0.22	0.04	J	0.02	0.26
Zinc	89.4	--	0.9	4.6	66.1	--	1.1	5.5	82.1	--	0.9	4.6	68.7	--	1.1	5.3	81.2	--	0.9	4.3	94.4	--	1.1	5.3

Bolded values exceed the TEL and (or) ERL.

Non-detect (ND) = The analyte was not detected at or above the MDL.

Acronyms and qualifiers are defined at the front of the tables section.

Sources: Results from Analytical Resources, Inc.; TEL and ERL values from Buchman (2008).

Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 8
Analytical Results for Dry Weight Pesticides in Clay and Composited Sediment Samples

Analyte	Sample ID:	Maximum Conc. µg/kg	TEL µg/kg	ERL µg/kg	SJH20-REF				RPR1-Comp				RPR2-Comp				RPR2-Clay-Comp				RPR3-Comp				RPR3-Clay-Comp			
					Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
Aldrin		ND	x	x	ND	U	0.37	1.00	ND	U	0.37	0.99	ND	U	0.37	1.00	ND	U	0.36	0.99	ND	U	0.36	0.98	ND	U	0.37	1.00
α (cis)-Chlordane		ND	x	x	ND	U	0.11	1.00	ND	U	0.11	0.99	ND	U	0.11	1.00	ND	U	0.11	0.99	ND	U	0.11	0.98	ND	U	0.11	1.00
trans-Nonachlor		ND	x	x	ND	U	0.23	1.00	ND	U	0.23	0.99	ND	U	0.23	1.00	ND	U	0.23	0.99	ND	U	0.22	0.98	ND	U	0.23	1.00
o,p' (2,4')-DDD		ND	x	x	ND	U	0.19	1.00	ND	U	0.19	0.99	ND	U	0.19	1.00	ND	U	0.19	0.99	ND	U	0.19	0.98	ND	U	0.19	1.00
p,p' (4,4')-DDD		**9.25**	2.07	2.2	ND	U	0.32	1.00	1.75	--	0.32	0.99	1.82	--	0.32	1.00	ND	U	0.32	0.99	0.59	J	0.31	0.98	ND	U	0.32	1.00
o,p' (2,4')-DDE		4.28	x	x	ND	U	0.25	1.00	ND	U	0.25	0.99	ND	U	0.25	1.00	ND	U	0.25	0.99	ND	U	0.24	0.98	ND	U	0.25	1.00
p,p' (4,4')-DDE		**11.6**	1.19	1	ND	U	0.13	1.00	**1.40**	--	0.13	0.99	**1.96**	--	0.13	1.00	ND	U	0.13	0.99	ND	U	0.13	0.98	ND	U	0.13	1.00
o,p' (2,4')-DDT		ND	x	x	ND	U	0.19	1.00	ND	U	0.19	0.99	ND	U	0.19	1.00	ND	U	0.18	0.99	ND	U	0.18	0.98	ND	U	0.19	1.00
p,p' (4,4')-DDT		ND	1.22	2	ND	U	0.32	1.00	ND	U	0.32	0.99	ND	U	0.32	1.00	ND	U	0.32	0.99	ND	U	0.32	0.98	ND	U	0.32	1.00
Dieldrin		ND	0.715	0.02	ND	U	0.11	1.00	ND	U	0.11	0.99	ND	U	0.11	1.00	ND	U	0.11	0.99	ND	U	0.11	0.98	ND	U	0.11	1.00
Endosulfan I		ND	x	x	ND	U	0.07	1.00	ND	U	0.07	0.99	ND	U	0.07	1.00	ND	U	0.07	0.99	ND	U	0.07	0.98	ND	U	0.07	1.00
Endosulfan II		0.31	x	x	ND	U	0.31	1.00	ND	U	0.31	0.99	ND	U	0.31	1.00	ND	U	0.31	0.99	ND	U	0.31	0.98	ND	U	0.31	1.00
Endosulfan Sulfate		ND	x	x	ND	U	0.12	1.00	ND	U	0.12	0.99	ND	U	0.12	1.00	ND	U	0.12	0.99	ND	U	0.12	0.98	ND	U	0.12	1.00
Heptachlor		ND	x	x	ND	U	0.05	1.00	ND	U	0.05	0.99	ND	U	0.05	1.00	ND	U	0.05	0.99	ND	U	0.05	0.98	ND	U	0.05	1.00
Heptachlor Epoxide		ND	x	x	ND	U	0.17	1.00	ND	U	0.17	0.99	ND	U	0.17	1.00	ND	U	0.17	0.99	ND	U	0.17	0.98	ND	U	0.17	1.00

TABLE 8 (*continued*)
Analytical Results for Dry Weight Pesticides in Clay and Composited Sediment Samples

Analyte	RBC1-Comp				RBC1-Clay-Comp				RPR4-Comp				RPR4-Clay-Comp				RPR5-Comp				RPR5-Clay-Comp			
	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
Aldrin	ND	U	0.36	0.98	ND	U	0.37	1.00	ND	U	0.36	0.99	ND	U	0.37	1.00	ND	U	0.36	0.96	ND	U	0.36	0.98
α (cis)-Chlordane	ND	U	0.11	0.98	ND	U	0.11	1.00	ND	U	0.11	0.99	ND	U	0.11	1.00	ND	U	0.11	0.96	ND	U	0.11	0.98
trans-Nonachlor	ND	U	0.22	0.98	ND	U	0.23	1.00	ND	U	0.23	0.99	ND	U	0.23	1.00	ND	U	0.22	0.96	ND	U	0.22	0.98
o,p' (2,4')-DDD	ND	U	0.19	0.98	ND	U	0.19	1.00	ND	U	0.19	0.99	ND	U	0.19	1.00	ND	U	0.19	0.96	ND	U	0.19	0.98
p,p' (4,4')-DDD	**9.25**	--	0.31	0.98	0.46	J	0.32	1.00	ND	U	0.32	0.99	ND	U	0.32	1.00	ND	U	0.31	0.96	ND	U	0.31	0.98
o,p' (2,4')-DDE	4.28	P1	0.25	0.98	ND	U	0.25	1.00	ND	U	0.25	0.99	ND	U	0.25	1.00	ND	U	0.24	0.96	ND	U	0.24	0.98
p,p' (4,4')-DDE	**11.6**	--	0.13	0.98	0.43	J	0.13	1.00	ND	U	0.13	0.99	ND	U	0.13	1.00	ND	U	0.13	0.96	ND	U	0.13	0.98
o,p' (2,4')-DDT	ND	U	0.18	0.98	ND	U	0.19	1.00	ND	U	0.18	0.99	ND	U	0.19	1.00	ND	U	0.18	0.96	ND	U	0.18	0.98
p,p' (4,4')-DDT	ND	U	0.32	0.98	ND	U	0.32	1.00	ND	U	0.32	0.99	ND	U	0.32	1.00	ND	U	0.31	0.96	ND	U	0.32	0.98
Dieldrin	ND	U	0.11	0.98	ND	U	0.11	1.00	ND	U	0.11	0.99	ND	U	0.11	1.00	ND	U	0.11	0.96	ND	U	0.11	0.98
Endosulfan I	ND	U	0.07	0.98	ND	U	0.07	1.00	ND	U	0.07	0.99	ND	U	0.07	1.00	ND	U	0.07	0.96	ND	U	0.07	0.98
Endosulfan II	ND	U	0.31	0.98	ND	U	0.31	1.00	ND	U	0.31	0.99	ND	U	0.31	1.00	0.31	J	0.30	0.96	ND	U	0.31	0.98
Endosulfan Sulfate	ND	U	0.12	0.98	ND	U	0.12	1.00	ND	U	0.12	0.99	ND	U	0.12	1.00	ND	U	0.12	0.96	ND	U	0.12	0.98
Heptachlor	ND	U	0.05	0.98	ND	U	0.05	1.00	ND	U	0.05	0.99	ND	U	0.05	1.00	ND	U	0.04	0.96	ND	U	0.05	0.98
Heptachlor Epoxide	ND	U	0.17	0.98	ND	U	0.17	1.00	ND	U	0.17	0.99	ND	U	0.17	1.00	ND	U	0.16	0.96	ND	U	0.17	0.98

Bolded values exceed the TEL and (or) ERL.

Underlined values represent U-qualified results having an MDL that exceeds the TEL and (or) ERL.

Non-detect (ND) = The analyte was not detected at or above the MDL.

Acronyms and qualifiers are defined at the front of the tables section.

Sources: Results from Analytical Resources, Inc.; TEL and ERL values from Buchman (2008).

Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 9
Analytical Results for Dry Weight PAHs in Clay and Composited Sediment Samples

Analyte	Maximum Conc. µg/kg	TEL µg/kg	ERL µg/kg	Sample ID: SJH20-REF Result µg/kg	Qualifier	MDL	MRL	RPR1-Comp Result µg/kg	Qualifier	MDL	MRL	RPR2-Comp Result µg/kg	Qualifier	MDL	MRL	RPR2-Clay-Comp Result µg/kg	Qualifier	MDL	MRL	RPR3-Comp Result µg/kg	Qualifier	MDL	MRL	RPR3-Clay-Comp Result µg/kg	Qualifier	MDL	MRL
Acenaphthene^{LMW}	5.70	6.71	16	1.61	J	0.57	100	5.25	J	0.57	99.9	0.69	J	0.57	99.9	ND	U	0.57	99.8	1.32	J	0.56	98.3	ND	U	0.56	97.2
Acenaphthylene^{LMW}	5.25	5.87	44	3.60	J	1.08	100	2.18	J	1.08	99.9	ND	U	1.08	99.9	ND	U	1.08	99.8	ND	U	1.07	98.3	ND	U	1.05	97.2
Anthracene^{LMW}	33.7	46.9	85.3	3.74	J	0.87	100	8.32	J	0.87	99.9	1.01	J	0.87	99.9	ND	U	0.87	99.8	ND	U	0.86	98.3	ND	U	0.85	97.2
Benzo(a)anthracene^{HMW}	**101**	74.8	261	15.8	J	0.82	100	**79.4**	J	0.82	99.9	3.78	J	0.82	99.9	0.92	J	0.82	99.8	1.89	J	0.81	98.3	ND	U	0.80	97.2
Benzo(a)pyrene^{HMW}	83.5	88.8	430	17.8	J	0.61	100	63.0	J	0.61	99.9	4.42	J	0.61	99.9	1.59	J	0.61	99.8	0.63	J	0.60	98.3	ND	U	0.60	97.2
Benzo(b)fluoranthene^{HMW}	70.3	x	x	12.2	J	1.37	100	65.7	J	1.37	99.9	6.41	J	1.37	99.9	1.49	J	1.37	99.8	2.66	J	1.35	98.3	ND	U	1.33	97.2
Benzo(g,h,i)perylene^{HMW}	57.5	x	x	22.5	Q,J	1.06	100	44.5	J	1.06	99.9	11.0	J	1.06	99.9	1.24	J	1.06	99.8	5.81	J	1.05	98.3	1.81	J	1.04	97.2
Benzo(k)fluoranthene^{HMW}	40.3	x	x	7.31	J	0.76	100	34.8	J	0.76	99.9	2.63	J	0.76	99.9	0.81	J	0.76	99.8	0.93	J	0.75	98.3	ND	U	0.74	97.2
Chrysene^{HMW}	93.2	108	384	15.6	J	1.05	100	75.0	J	1.05	99.9	7.62	J	1.05	99.9	1.40	J	1.05	99.8	2.74	J	1.04	98.3	ND	U	1.02	97.2
Dibenzo(a,h)anthracene^{HMW}	**18.0**	6.22	63.4	3.61	J	0.89	100	**13.8**	J	0.89	99.9	1.62	J	0.89	99.9	1.07	J	0.89	99.8	2.36	J	0.88	98.3	ND	U	0.87	97.2
Fluoranthene^{HMW}	**169**	113	600	21.5	J	0.47	100	**129**	--	0.47	99.9	6.93	J	0.47	99.9	1.79	J	0.47	99.8	2.74	J	0.46	98.3	ND	U	0.46	97.2
Fluorene^{LMW}	7.55	21.2	19	2.76	J	0.63	100	7.04	J	0.63	99.9	2.13	J	0.63	99.9	ND	U	0.63	99.8	0.96	J	0.62	98.3	ND	U	0.61	97.2
Indeno(1,2,3-cd)pyrene^{HMW}	53.3	x	x	13.7	J	1.05	100	41.8	J	1.05	99.9	5.36	J	1.05	99.9	3.13	J	1.05	99.8	1.90	J	1.03	98.3	ND	U	1.02	97.2
Naphthalene^{LMW}	4.75	34.6	160	4.75	J	1.27	100	2.24	J	1.27	99.9	ND	U	1.27	99.9	1.32	J	1.27	99.8	ND	U	1.25	98.3	ND	U	1.24	97.2
Phenanthrene^{LMW}	62.0	86.7	240	15.4	J	0.72	100	17.8	J	0.72	99.9	3.01	J	0.72	99.9	1.02	J	0.72	99.8	2.01	J	0.71	98.3	ND	U	0.70	97.2
Pyrene^{HMW}	136	153	665	29.1	J	0.63	100	108	--	0.63	99.9	10.8	J	0.63	99.9	1.82	J	0.62	99.8	3.88	J	0.62	98.3	ND	U	0.61	97.2
Total LMW PAHs	111	312	552	31.9				42.8				9.19				5.49				7.47				5.01			
Total HMW PAHs	**822**	655	1700	159				**655**				60.6				15.3				25.5				9.26			
Total PAHs	933	1684	4022	191				698				69.8				20.8				33.0				14.3			

TABLE 9 (*continued*)
Analytical Results for Dry Weight PAHs in Clay and Composited Sediment Samples

Analyte	RBC1-Comp				RBC1-Clay-Comp				RPR4-Comp				RPR4-Clay-Comp				RPR5-Comp				RPR5-Clay-Comp			
	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
Acenaphthene[LMW]	2.07	J	0.56	98.8	ND	U	0.57	99.3	0.66	J	0.56	98.4	ND	U	0.57	99.8	5.70	J	0.55	96.8	ND	U	0.57	99.8
Acenaphthylene[LMW]	1.30	J	1.07	98.8	ND	U	1.08	99.3	ND	U	1.07	98.4	ND	U	1.08	99.8	ND	U	1.05	96.8	ND	U	1.08	99.8
Anthracene[LMW]	2.93	J	0.86	98.8	ND	U	0.87	99.3	ND	U	0.86	98.4	ND	U	0.87	99.8	33.7	J	0.84	96.8	ND	U	0.87	99.8
Benzo(a)anthracene[HMW]	7.27	J	0.81	98.8	ND	U	0.82	99.3	4.03	J	0.81	98.4	ND	U	0.82	99.8	**101**	--	0.80	96.8	ND	U	0.82	99.8
Benzo(a)pyrene[HMW]	6.85	J	0.61	98.8	ND	U	0.61	99.3	3.00	J	0.60	98.4	ND	U	0.61	99.8	83.5	J	0.59	96.8	1.67	J	0.61	99.8
Benzo(b)fluoranthene[HMW]	9.14	J	1.36	98.8	ND	U	1.36	99.3	5.60	J	1.35	98.4	ND	U	1.37	99.8	70.3	J	1.33	96.8	ND	U	1.37	99.8
Benzo(g,h,i)perylene[HMW]	12.4	J	1.05	98.8	ND	U	1.06	99.3	13.7	J	1.05	98.4	1.53	J	1.06	99.8	57.5	J	1.03	96.8	2.88	J	1.06	99.8
Benzo(k)fluoranthene[HMW]	3.99	J	0.75	98.8	0.77	J	0.75	99.3	2.09	J	0.75	98.4	ND	U	0.76	99.8	40.3	J	0.74	96.8	0.86	J	0.76	99.8
Chrysene[HMW]	10.2	J	1.04	98.8	ND	U	1.05	99.3	6.89	J	1.04	98.4	ND	U	1.05	99.8	93.2	J	1.02	96.8	1.26	J	1.05	99.8
Dibenzo(a,h)anthracene[HMW]	2.46	J	0.88	98.8	1.04	J	0.88	99.3	ND	U	0.88	98.4	ND	U	0.89	99.8	**18.0**	J	0.86	96.8	ND	U	0.89	99.8
Fluoranthene[HMW]	18.6	J	0.46	98.8	1.32	J	0.47	99.3	6.73	J	0.46	98.4	0.56	J	0.47	99.8	**169**	--	0.45	96.8	1.38	J	0.47	99.8
Fluorene[LMW]	2.80	J	0.62	98.8	ND	U	0.63	99.3	1.85	J	0.62	98.4	ND	U	0.63	99.8	7.55	J	0.61	96.8	ND	U	0.63	99.8
Indeno(1,2,3-cd)pyrene[HMW]	6.88	J	1.04	98.8	1.38	J	1.04	99.3	3.81	J	1.03	98.4	ND	U	1.05	99.8	53.3	J	1.02	96.8	ND	U	1.05	99.8
Naphthalene[LMW]	1.81	J	1.26	98.8	ND	U	1.27	99.3	ND	U	1.25	98.4	ND	U	1.27	99.8	ND	U	1.23	96.8	ND	U	1.27	99.8
Phenanthrene[LMW]	9.19	J	0.71	98.8	0.72	J	0.71	99.3	2.45	J	0.71	98.4	ND	U	0.72	99.8	62.0	J	0.69	96.8	ND	U	0.72	99.8
Pyrene[HMW]	18.4	J	0.62	98.8	1.59	J	0.62	99.3	11.4	J	0.62	98.4	0.80	J	0.62	99.8	136	--	0.61	96.8	1.72	J	0.62	99.8
Total LMW PAHs	20.1				5.14				8.14				5.14				111				5.14			
Total HMW PAHs	96.2				11.0				58.1				9.44				**822**				13.9			
Total PAHs	116				16.1				66.3				14.6				933				19.0			

LMW Low molecular weight PAHs (EPA Region 2 Guidance Manual, 2016).

HMW High molecular weight PAHs (EPA Region 2 Guidance Manual, 2016).

Bolded values meet or exceed the TEL and (or) ERL.

For calculating total PAHs, U-qualified results use the MDL and J-qualified results use the value reported by the laboratory.

Non-detect (ND) = The analyte was not detected at or above the MDL.

Acronyms and qualifiers are defined at the front of the tables section.

Sources: Results from Analytical Resources, Inc.; TEL and ERL values from Buchman (2008).

Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 10
Analytical Results for Dry Weight PCBs in Clay and Composited Sediment Samples

Analyte	Sample ID:			SJH20-REF				RPR1-Comp				RPR2-Comp				RPR2-Clay-Comp				RPR3-Comp				RPR3-Clay-Comp			
	Maximum Conc. µg/kg	TEL µg/kg	ERL µg/kg	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
PCB-5/8	2.02	x	x	ND	U	1.00	2.00	2.02	J	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49
PCB-18	3.32	x	x	ND	U	1.00	1.00	3.32	--	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49
PCB-28	1.92	x	x	ND	U	1.00	1.00	1.92	J	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49
PCB-44	ND	x	x	ND	U	1.00	1.00	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49
PCB-49	1.18	x	x	ND	U	1.00	1.00	1.18	J	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49
PCB-52	1.65	x	x	ND	U	1.00	1.00	1.65	J	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49
PCB-66	ND	x	x	ND	U	1.00	1.00	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49
PCB-87	ND	x	x	ND	U	1.00	1.00	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49
PCB-101	1.74	x	x	ND	U	1.00	1.00	1.74	J	1.00	2.49	1.18	J	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49
PCB-105	ND	x	x	ND	U	1.00	1.00	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49
PCB-118	ND	x	x	ND	U	1.00	1.00	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49
PCB-128	ND	x	x	ND	U	1.00	1.00	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49
PCB-138	4.01	x	x	ND	U	1.00	1.00	4.01	--	1.00	2.49	1.64	J	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49
PCB-153	3.66	x	x	ND	U	1.00	1.00	3.66	--	1.00	2.49	1.60	J	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49
PCB-170	1.52	x	x	ND	U	1.00	1.00	1.52	J	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49
PCB-180	3.34	x	x	ND	U	1.00	1.00	3.34	--	1.00	2.49	1.40	J	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49
PCB-183	1.02	x	x	ND	U	1.00	1.00	1.02	J	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49
PCB-184	ND	x	x	ND	U	1.00	1.00	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49
PCB-187	2.25	x	x	ND	U	1.00	1.00	2.25	J	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49
PCB-195	ND	x	x	ND	U	1.00	1.00	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49
PCB-206	ND	x	x	ND	U	1.00	1.00	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49
PCB-209	1.39	x	x	ND	U	1.00	1.00	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49
Total EPA Region 2 PCBs	**37.6**	21.6	22.7	**22.0**				**37.6**				**23.8**				**22.0**				**22.0**				**22.0**			

TABLE 10 (*continued*)
Analytical Results for Dry Weight PCBs in Clay and Composited Sediment Samples

Analyte	RBC1-Comp				RBC1-Clay-Comp				RPR4-Comp				RPR4-Clay-Comp				RPR5-Comp				RPR5-Clay-Comp			
	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
PCB-5/8	ND	U	1.00	2.49	ND	U	1.00	2.50	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.50
PCB-18	ND	U	1.00	2.49	ND	U	1.00	2.50	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.50
PCB-28	ND	U	1.00	2.49	ND	U	1.00	2.50	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.50
PCB-44	ND	U	1.00	2.49	ND	U	1.00	2.50	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.50
PCB-49	ND	U	1.00	2.49	ND	U	1.00	2.50	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.50
PCB-52	ND	U	1.00	2.49	ND	U	1.00	2.50	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.50
PCB-66	ND	U	1.00	2.49	ND	U	1.00	2.50	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.50
PCB-87	ND	U	1.00	2.49	ND	U	1.00	2.50	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.50
PCB-101	ND	U	1.00	2.49	ND	U	1.00	2.50	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.50
PCB-105	ND	U	1.00	2.49	ND	U	1.00	2.50	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.50
PCB-118	ND	U	1.00	2.49	ND	U	1.00	2.50	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.50
PCB-128	ND	U	1.00	2.49	ND	U	1.00	2.50	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.50
PCB-138	1.90	J	1.00	2.49	ND	U	1.00	2.50	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.50
PCB-153	1.50	J	1.00	2.49	ND	U	1.00	2.50	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.50
PCB-170	ND	U	1.00	2.49	ND	U	1.00	2.50	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.50
PCB-180	1.12	J	1.00	2.49	ND	U	1.00	2.50	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.50
PCB-183	ND	U	1.00	2.49	ND	U	1.00	2.50	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.50
PCB-184	ND	U	1.00	2.49	ND	U	1.00	2.50	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.50
PCB-187	ND	U	1.00	2.49	ND	U	1.00	2.50	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.50
PCB-195	ND	U	1.00	2.49	ND	U	1.00	2.50	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.50
PCB-206	ND	U	1.00	2.49	ND	U	1.00	2.50	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.50
PCB-209	1.39	J	1.00	2.49	ND	U	1.00	2.50	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.49	ND	U	1.00	2.50
Total EPA Region 2 PCBs	**23.9**				**22.0**				**22.0**				**22.0**				**22.0**				**22.0**			

Bolded Values exceed the TEL and (or) ERL.

For calculating total EPA Region 2 PCBs, U-qualified results use the MDL. (J-qualified results use the value reported by the laboratory [See Region 2 RTM Section 3.2 for details].)

Non-detect (ND) = The analyte was not detected at or above the MDL.

Data qualifiers and acronyms are defined at the front of the tables section.

Sources: Analytical Resources, Inc.; TEL and ERL values from Buchman (2008)

Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 11
Analytical Results for Metals in Site Water and Elutriates Generated from Composited Sediment Samples

Analyte	Sample ID:		SJH20-REF-SW				RPR-SW				RPR1-Comp				RPR2-Comp				RPR3-Comp				RBC1-Comp				RPR4-Comp				RPR5-Comp			
	Maximum Conc. µg/L	CMC µg/L	Result µg/L	Qualifier	MDL	MRL	Result µg/L	Qualifier	MDL	MRL	Result µg/L	Qualifier	MDL	MRL	Result µg/L	Qualifier	MDL	MRL	Result µg/L	Qualifier	MDL	MRL	Result µg/L	Qualifier	MDL	MRL	Result µg/L	Qualifier	MDL	MRL	Result µg/L	Qualifier	MDL	MRL
Arsenic	1.16	69	1.15	--	0.06	0.50	1.16	--	0.06	0.50	0.77	--	0.06	0.50	0.68	--	0.06	0.50	0.62	--	0.06	0.50	0.51	--	0.06	0.50	0.95	--	0.06	0.50	0.93	--	0.06	0.50
Cadmium	0.047	40	0.006	J	0.003	0.020	0.047	--	0.003	0.020	0.015	J	0.003	0.020	0.024	--	0.003	0.020	0.009	J	0.003	0.020	0.020	--	0.003	0.020	0.006	J	0.003	0.020	0.005	J	0.003	0.020
Chromium	0.20	1100	0.18	J	0.02	0.20	0.20	J	0.02	0.20	0.06	J	0.02	0.20	0.08	J	0.02	0.20	0.04	J	0.02	0.20	0.04	J	0.02	0.20	0.04	J	0.02	0.20	0.04	J	0.02	0.20
Copper	1.38	4.8	1.13	--	0.02	0.10	1.38	--	0.02	0.10	0.74	--	0.02	0.10	1.24	--	0.02	0.10	0.70	--	0.02	0.10	0.70	--	0.02	0.10	0.84	--	0.02	0.10	0.71	--	0.02	0.10
Lead	0.197	210	0.050	--	0.020	0.050	0.197	--	0.020	0.050	0.150	--	0.020	0.050	0.115	--	0.020	0.050	0.066	--	0.020	0.050	0.031	J	0.020	0.050	0.046	J	0.020	0.050	0.034	J	0.020	0.050
Mercury	ND	1.8	ND	U	0.02	0.20	ND	U	0.02	0.20	ND	U	0.02	0.20	ND	U	0.02	0.20	ND	U	0.02	0.20	ND	U	0.02	0.20	ND	U	0.02	0.20	ND	U	0.02	0.20
Nickel	1.12	74	0.20	--	0.03	0.20	0.71	--	0.03	0.20	0.89	--	0.03	0.20	1.12	--	0.03	0.20	0.77	--	0.03	0.20	0.88	--	0.03	0.20	0.82	--	0.03	0.20	0.84	--	0.03	0.20
Silver	0.008	1.9	0.006	J	0.004	0.020	0.004	J	0.004	0.020	0.006	J	0.004	0.020	0.005	J	0.004	0.020	ND	U	0.004	0.020	0.008	J	0.004	0.020	ND	U	0.004	0.020	ND	U	0.004	0.020
Zinc	13.9	90	0.48	J	0.20	0.50	3.08	--	0.20	0.50	5.33	--	0.20	0.50	13.9	--	0.20	0.50	4.79	--	0.20	0.50	5.96	--	0.20	0.50	5.46	--	0.20	0.50	0.62	--	0.20	0.50

Non-detect (ND) = The analyte was not detected at or above the MDL.

Data qualifiers and acronyms are defined at the front of the tables section.

Sources: Elutriates from MTC, Results from ALS; CMC values taken from EPA (2015)

Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 12
Analytical Results for Pesticides in Site Water and Elutriates Generated from Composited Sediment Samples

Analyte	Sample ID:		SJH20-REF-SW				RPR-SW				RPR1-Comp				RPR2-Comp				RPR3-Comp				RBC1-Comp				RPR4-Comp				RPR5-Comp			
	Maximum Conc. µg/L	CMC µg/L	Result µg/L	Qualifier	MDL	MRL	Result µg/L	Qualifier	MDL	MRL	Result µg/L	Qualifier	MDL	MRL	Result µg/L	Qualifier	MDL	MRL	Result µg/L	Qualifier	MDL	MRL	Result µg/L	Qualifier	MDL	MRL	Result µg/L	Qualifier	MDL	MRL	Result µg/L	Qualifier	MDL	MRL
Aldrin	ND	1.3	ND	U	0.0012	0.0320	ND	U	0.0012	0.400	ND	U	0.0012	0.400	ND	U	0.0012	0.400	ND	U	0.0012	0.400	ND	U	0.0012	0.400	ND	U	0.0012	0.400	ND	U	0.0012	0.400
α (cis)-Chlordane	ND	x	ND	U	0.0010	0.0240	ND	U	0.0010	0.0300	ND	U	0.0010	0.0300	ND	U	0.0010	0.0300	ND	U	0.0010	0.0300	ND	U	0.0010	0.0300	ND	U	0.0100	0.0300	ND	U	0.0100	0.0300
trans-Nonachlor	ND	x	ND	U	0.0080	0.0080	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100
o,p' (2,4')-DDD	ND	x	ND	U	0.0080	0.0080	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100
p,p' (4,4')-DDD	ND	x	ND	U	0.0014	0.0080	ND	U	0.0014	0.0100	ND	U	0.0014	0.0100	ND	U	0.0014	0.0100	ND	U	0.0014	0.0100	ND	U	0.0014	0.0100	ND	U	0.0014	0.0100	ND	U	0.0014	0.0100
o,p' (2,4')-DDE	ND	x	ND	U	0.0080	0.0080	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100
p,p' (4,4')-DDE	ND	x	ND	U	0.0022	0.640	ND	U	0.0022	4.00	ND	U	0.0022	4.00	ND	U	0.0022	4.00	ND	U	0.0022	4.00	ND	U	0.0022	4.00	ND	U	0.0022	4.00	ND	U	0.0022	4.00
o,p' (2,4')-DDT	ND	x	ND	U	0.0080	0.0080	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100	ND	U	0.0100	0.0100
p,p' (4,4')-DDT	ND	0.13	ND	U	0.0031	0.0320	ND	U	0.0031	0.0400	ND	U	0.0031	0.0400	ND	U	0.0031	0.0400	ND	U	0.0031	0.0400	ND	U	0.0031	0.0400	ND	U	0.0031	0.0400	ND	U	0.0031	0.0400
Dieldrin	ND	0.71	ND	U	0.0028	0.160	ND	U	0.0028	0.200	ND	U	0.0028	0.200	ND	U	0.0028	0.200	ND	U	0.0028	0.200	ND	U	0.0028	0.200	ND	U	0.0028	0.200	ND	U	0.0028	0.200
Endosulfan I	ND	0.034	ND	U	0.0010	0.0080	ND	U	0.0010	0.0100	ND	U	0.0010	0.0100	ND	U	0.0010	0.0100	ND	U	0.0010	0.0100	ND	U	0.0010	0.0100	ND	U	0.0010	0.0100	ND	U	0.0010	0.0100
Endosulfan II	ND	0.034	ND	U	0.0017	0.0080	ND	U	0.0017	0.0100	ND	U	0.0017	0.0100	ND	U	0.0017	0.0100	ND	U	0.0017	0.0100	ND	U	0.0017	0.0100	ND	U	0.0017	0.0100	ND	U	0.0017	0.0100
Endosulfan Sulfate	ND	x	ND	U	0.0021	0.0080	ND	U	0.0021	0.0100	ND	U	0.0021	0.0100	ND	U	0.0021	0.0100	ND	U	0.0021	0.0100	ND	U	0.0021	0.0100	ND	U	0.0021	0.0100	ND	U	0.0021	0.0100
Heptachlor	ND	0.053	ND	U	0.0014	0.0080	ND	U	0.0014	0.0100	ND	U	0.0014	0.0100	ND	U	0.0014	0.0100	ND	U	0.0014	0.0100	ND	U	0.0014	0.0100	ND	U	0.0014	0.0100	ND	U	0.0014	0.0100
Heptachlor Epoxide	ND	0.053	ND	U	0.0014	0.0080	ND	U	0.0014	0.0100	ND	U	0.0014	0.0100	ND	U	0.0014	0.0100	ND	U	0.0014	0.0100	ND	U	0.0014	0.0100	ND	U	0.0014	0.0100	ND	U	0.0014	0.0100

Non-detect (ND) = The analyte was not detected at or above the MDL.

Data qualifiers and acronyms are defined at the front of the tables section.

Sources: Elutriates from MTC, Results from Analytical Resources, Inc.; CMC values from EPA (2015)

Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 13
Analytical Results for PCBs in Site Water and Elutriates Generated from Composited Sediment Samples

Analyte	Sample ID:		SJH20-REF-SW				RPR-SW				RPR1-Comp				RPR2-Comp				RPR3-Comp				RBC1-Comp				RPR4-Comp				RPR5-Comp			
	Maximum Conc. ng/L	CMC ng/L	Result ng/L	Qualifier	MDL	MRL	Result ng/L	Qualifier	MDL	MRL	Result ng/L	Qualifier	MDL	MRL	Result ng/L	Qualifier	MDL	MRL	Result ng/L	Qualifier	MDL	MRL	Result ng/L	Qualifier	MDL	MRL	Result ng/L	Qualifier	MDL	MRL	Result ng/L	Qualifier	MDL	MRL
PCB-5/8	ND	x	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002
PCB-18	ND	x	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002
PCB-28	ND	x	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002
PCB-44	ND	x	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002
PCB-49	ND	x	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002
PCB-52	ND	x	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002
PCB-66	ND	x	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002
PCB-87	ND	x	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002
PCB-101	ND	x	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002
PCB-105	ND	x	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002
PCB-118	ND	x	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002
PCB-128	ND	x	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002
PCB-138	ND	x	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002
PCB-132/153	ND	x	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002
PCB-170	ND	x	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002
PCB-180	ND	x	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002
PCB-183	ND	x	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002
PCB-184	ND	x	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002
PCB-187	ND	x	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002
PCB-195	ND	x	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002
PCB-206	ND	x	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002
PCB-209	ND	x	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002	ND	U	0.002	0.002
Total EPA Region 2 PCBs	0.044	x	0.044				0.044				0.044				0.044				0.044				0.044				0.044				0.044			

Non-detect (ND) = The analyte was not detected at or above the MDL.

For calculating total EPA Region 2 PCBs, U-qualified results use the MDL. (J-qualified results use the value reported by the laboratory [See Region 2 RTM Section 3.2 for details].)

Data qualifiers and acronyms are defined at the front of the tables section.

Sources: Elutriates from MTC, Results from Analytical Resources, Inc.

Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 14
Analytical Results for Wet Weight Lipids and Total Solids in *Macoma nasuta* Tissues

Analyte:	Total Solids				Lipids			
Sample-Replicate #	Result %	Qualifier	MDL	MRL	Result %	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	18.46	--	0.04	0.04	1.8	--	0.010	0.010
RPR1-COMP Rep. 2	16.91	--	0.04	0.04	1.4	--	0.010	0.010
RPR1-COMP Rep. 3	17.12	--	0.04	0.04	1.5	--	0.010	0.010
RPR1-COMP Rep. 4	17.89	--	0.04	0.04	1.5	--	0.010	0.010
RPR1-COMP Rep. 5	18.11	--	0.04	0.04	1.3	--	0.010	0.010
RPR2-COMP Rep. 1	16.95	--	0.04	0.04	1.5	--	0.010	0.010
RPR2-COMP Rep. 2	17.77	--	0.04	0.04	1.5	--	0.010	0.010
RPR2-COMP Rep. 3	18.53	--	0.04	0.04	1.5	--	0.010	0.010
RPR2-COMP Rep. 4	18.02	--	0.04	0.04	1.6	--	0.010	0.010
RPR2-COMP Rep. 5	18.41	--	0.04	0.04	0.84	--	0.010	0.010
RPR3-COMP Rep. 1	16.77	--	0.04	0.04	1.5	--	0.010	0.010
RPR3-COMP Rep. 2	17.80	--	0.04	0.04	1.5	--	0.010	0.010
RPR3-COMP Rep. 3	17.28	--	0.04	0.04	1.2	--	0.010	0.010
RPR3-COMP Rep. 4	17.68	--	0.04	0.04	1.2	--	0.010	0.010
RPR3-COMP Rep. 5	16.80	--	0.04	0.04	1.3	--	0.010	0.010
RBC1-COMP Rep. 1	18.50	--	0.04	0.04	1.8	--	0.010	0.010
RBC1-COMP Rep. 2	16.86	--	0.04	0.04	1.5	--	0.010	0.010
RBC1-COMP Rep. 3	17.28	--	0.04	0.04	1.7	--	0.010	0.010
RBC1-COMP Rep. 4	16.84	--	0.04	0.04	1.4	--	0.010	0.010
RBC1-COMP Rep. 5	18.79	--	0.04	0.04	1.8	--	0.010	0.010
RPR4-COMP Rep. 1	17.25	--	0.04	0.04	1.1	--	0.010	0.010
RPR4-COMP Rep. 2	16.94	--	0.04	0.04	1.5	--	0.010	0.010
RPR4-COMP Rep. 3	18.31	--	0.04	0.04	1.4	--	0.010	0.010
RPR4-COMP Rep. 4	17.74	--	0.04	0.04	1.2	--	0.010	0.010
RPR4-COMP Rep. 5	17.13	--	0.04	0.04	1.2	--	0.010	0.010
RPR5-COMP Rep. 1	17.37	--	0.04	0.04	1.7	--	0.010	0.010
RPR5-COMP Rep. 2	16.60	--	0.04	0.04	1.8	--	0.010	0.010
RPR5-COMP Rep. 3	17.26	--	0.04	0.04	1.5	--	0.010	0.010
RPR5-COMP Rep. 4	17.31	--	0.04	0.04	1.8	--	0.010	0.010
RPR5-COMP Rep. 5	17.70	--	0.04	0.04	1.5	--	0.010	0.010
SJH20-REF Rep. 1	17.16	--	0.04	0.04	1.8	--	0.010	0.010
SJH20-REF Rep. 2	18.32	--	0.04	0.04	2.4	--	0.010	0.010
SJH20-REF Rep. 3	17.29	--	0.04	0.04	2.5	--	0.010	0.010
SJH20-REF Rep. 4	18.02	--	0.04	0.04	2.1	--	0.010	0.010
SJH20-REF Rep. 5	17.42	--	0.04	0.04	1.9	--	0.010	0.010
Pre-exposure Rep. 1	18.20	--	0.04	0.04	2.3	--	0.010	0.010
Pre-exposure Rep. 2	17.99	--	0.04	0.04	1.9	--	0.010	0.010
Pre-exposure Rep. 3	18.44	--	0.04	0.04	2.0	--	0.010	0.010

Data qualifiers and acronyms are defined at the front of the tables section.

Source: Analytical Resources, Inc.

Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 15

Analytical Results for Wet Weight Lipids and Total Solids in *Alitta virens* Tissues

Analyte:	Total Solids				Lipids			
Sample-Replicate #	Result %	Qualifier	MDL	MRL	Result %	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	14.82	--	0.04	0.04	2.5	--	0.010	0.010
RPR1-COMP Rep. 2	15.25	--	0.04	0.04	2.7	--	0.010	0.010
RPR1-COMP Rep. 3	14.79	--	0.04	0.04	2.1	--	0.010	0.010
RPR1-COMP Rep. 4	14.81	--	0.04	0.04	2.6	--	0.010	0.010
RPR1-COMP Rep. 5	14.90	--	0.04	0.04	2.4	--	0.010	0.010
RPR2-COMP Rep. 1	15.35	--	0.04	0.04	3.0	--	0.010	0.010
RPR2-COMP Rep. 2	15.00	--	0.04	0.04	2.7	--	0.010	0.010
RPR2-COMP Rep. 3	15.17	--	0.04	0.04	2.3	--	0.010	0.010
RPR2-COMP Rep. 4	15.23	--	0.04	0.04	2.8	--	0.010	0.010
RPR2-COMP Rep. 5	15.76	--	0.04	0.04	2.4	--	0.010	0.010
RPR3-COMP Rep. 1	15.05	--	0.04	0.04	3.0	--	0.010	0.010
RPR3-COMP Rep. 2	14.83	--	0.04	0.04	2.3	--	0.010	0.010
RPR3-COMP Rep. 3	14.94	--	0.04	0.04	2.6	--	0.010	0.010
RPR3-COMP Rep. 4	14.88	--	0.04	0.04	2.5	--	0.010	0.010
RPR3-COMP Rep. 5	14.99	--	0.04	0.04	2.1	--	0.010	0.010
RBC1-COMP Rep. 1	14.96	--	0.04	0.04	2.9	--	0.010	0.010
RBC1-COMP Rep. 2	15.26	--	0.04	0.04	3.3	--	0.010	0.010
RBC1-COMP Rep. 3	15.30	--	0.04	0.04	2.5	--	0.010	0.010
RBC1-COMP Rep. 4	14.66	--	0.04	0.04	2.1	--	0.010	0.010
RBC1-COMP Rep. 5	15.16	--	0.04	0.04	2.5	--	0.010	0.010
RPR4-COMP Rep. 1	14.81	--	0.04	0.04	2.9	--	0.010	0.010
RPR4-COMP Rep. 2	15.45	--	0.04	0.04	3.0	--	0.010	0.010
RPR4-COMP Rep. 3	14.74	--	0.04	0.04	2.5	--	0.010	0.010
RPR4-COMP Rep. 4	15.23	--	0.04	0.04	2.5	--	0.010	0.010
RPR4-COMP Rep. 5	14.93	--	0.04	0.04	2.9	--	0.010	0.010
RPR5-COMP Rep. 1	14.71	--	0.04	0.04	2.7	--	0.010	0.010
RPR5-COMP Rep. 2	15.20	--	0.04	0.04	2.7	--	0.010	0.010
RPR5-COMP Rep. 3	14.55	--	0.04	0.04	2.3	--	0.010	0.010
RPR5-COMP Rep. 4	14.64	--	0.04	0.04	2.2	--	0.010	0.010
RPR5-COMP Rep. 5	14.65	--	0.04	0.04	3.4	--	0.010	0.010
SJH20-REF Rep. 1	14.06	--	0.04	0.04	3.2	--	0.010	0.010
SJH20-REF Rep. 2	14.79	--	0.04	0.04	2.2	--	0.010	0.010
SJH20-REF Rep. 3	14.79	--	0.04	0.04	3.0	--	0.010	0.010
SJH20-REF Rep. 4	14.72	--	0.04	0.04	2.1	--	0.010	0.010
SJH20-REF Rep. 5	15.39	--	0.04	0.04	2.7	--	0.010	0.010
Pre-exposure Rep. 1	15.68	--	0.04	0.04	3.3	--	0.010	0.010
Pre-exposure Rep. 2	15.49	--	0.04	0.04	3.6	--	0.010	0.010
Pre-exposure Rep. 3	14.87	--	0.04	0.04	3.2	--	0.010	0.010

Data qualifiers and acronyms are defined at the front of the tables section.

Source: Analytical Resources, Inc.

Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 16
Analytical Results for Wet Weight Metals in *Macoma nasuta* Tissues

Analyte:	Arsenic				Cadmium				Chromium				Copper				Lead				Mercury				Nickel				Silver				Zinc			
Sample-Replicate #	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	4.07	--	0.0021	0.0195	0.0387	--	0.0029	0.0098	0.307	--	0.007	0.049	4.68	--	0.033	0.049	0.390	--	0.0133	0.0195	0.00966	--	0.000411	0.00489	0.347	--	0.005	0.049	0.0587	--	0.0017	0.0195	18.4	--	0.183	0.780
RPR1-COMP Rep. 2	3.04	--	0.0022	0.0198	0.0389	--	0.0030	0.0099	0.267	--	0.007	0.050	4.81	--	0.034	0.050	0.281	--	0.0135	0.0198	0.00819	--	0.000402	0.00478	0.359	--	0.005	0.050	0.0349	--	0.0017	0.0198	13.3	--	0.093	0.396
RPR1-COMP Rep. 3	3.29	--	0.0022	0.0197	0.0319	--	0.0030	0.0099	0.250	--	0.007	0.049	6.35	--	0.034	0.049	0.311	--	0.0134	0.0197	0.00854	--	0.000395	0.00471	0.335	--	0.005	0.049	0.0298	--	0.0017	0.0197	13.1	--	0.093	0.395
RPR1-COMP Rep. 4	3.56	--	0.0022	0.0198	0.0420	--	0.0030	0.0099	0.329	--	0.007	0.050	5.92	--	0.034	0.050	0.307	--	0.0135	0.0198	0.00907	--	0.000401	0.00477	0.394	--	0.005	0.050	0.0356	--	0.0017	0.0198	15.2	--	0.093	0.397
RPR1-COMP Rep. 5	3.71	--	0.0022	0.0196	0.0374	--	0.0029	0.0098	0.310	--	0.007	0.049	5.37	--	0.033	0.049	0.387	--	0.0134	0.0196	0.00981	--	0.000415	0.00494	0.419	--	0.005	0.049	0.0409	--	0.0017	0.0196	14.7	--	0.092	0.393
RPR1-COMP Mean	3.53				0.0378				0.293				**5.43**				**0.335**				0.00905				0.371				0.0400				14.9			
% of Reference	98				99				70				159				147				68				82				123				111			
RPR2-COMP Rep. 1	3.52	--	0.0021	0.0194	0.0404	--	0.0029	0.0097	0.283	--	0.007	0.049	3.14	--	0.033	0.049	0.315	--	0.0132	0.0194	0.00743	--	0.000402	0.00478	0.363	--	0.005	0.049	0.0405	--	0.0016	0.0194	14.6	--	0.091	0.388
RPR2-COMP Rep. 2	3.44	--	0.0022	0.0198	0.0409	--	0.0030	0.0099	0.397	--	0.007	0.049	4.06	--	0.034	0.049	0.476	--	0.0135	0.0198	0.00957	--	0.000391	0.00465	0.386	--	0.005	0.049	0.0450	--	0.0017	0.0198	14.8	--	0.093	0.396
RPR2-COMP Rep. 3	3.86	--	0.0022	0.0200	0.0352	--	0.0030	0.0100	0.415	--	0.007	0.050	3.85	--	0.034	0.050	0.337	--	0.0068	0.0100	0.00802	--	0.000405	0.00482	0.337	--	0.005	0.050	0.0420	--	0.0017	0.0200	13.6	--	0.094	0.400
RPR2-COMP Rep. 4	3.88	--	0.0022	0.0196	0.0334	--	0.0029	0.0098	0.349	--	0.007	0.049	3.19	--	0.033	0.049	0.517	--	0.0067	0.0098	0.00840	--	0.000414	0.00493	0.436	--	0.005	0.049	0.0290	--	0.0017	0.0196	13.9	--	0.092	0.393
RPR2-COMP Rep. 5	4.35	--	0.0022	0.0197	0.0370	--	0.0029	0.0098	0.780	--	0.007	0.049	4.49	--	0.033	0.049	0.395	--	0.0067	0.0098	0.00909	--	0.000410	0.00488	0.394	--	0.005	0.049	0.0383	--	0.0017	0.0197	18.1	--	0.185	0.786
RPR2-COMP Mean	3.81				0.0374				0.445				3.75				**0.408**				0.00850				0.383				0.0390				15.0			
% of Reference	106				98				107				110				179				64				85				120				112			
RPR3-COMP Rep. 1	3.61	--	0.0022	0.0197	0.0367	--	0.0030	0.0098	0.305	--	0.007	0.049	3.78	--	0.033	0.049	0.247	--	0.0067	0.0098	0.00870	--	0.000414	0.00493	0.379	--	0.005	0.049	0.0417	--	0.0017	0.0197	13.1	--	0.092	0.393
RPR3-COMP Rep. 2	3.82	--	0.0021	0.0195	0.0393	--	0.0029	0.0097	0.247	--	0.007	0.049	2.94	--	0.033	0.049	0.174	--	0.0066	0.0097	0.00741	--	0.000387	0.00461	0.336	--	0.005	0.049	0.0249	--	0.0017	0.0195	12.9	--	0.092	0.390
RPR3-COMP Rep. 3	3.35	--	0.0022	0.0198	0.0386	--	0.0030	0.0099	0.369	--	0.007	0.050	3.08	--	0.034	0.050	0.187	--	0.0067	0.0099	0.00759	--	0.000393	0.00468	0.402	--	0.005	0.050	0.0412	--	0.0017	0.0198	11.8	--	0.093	0.396
RPR3-COMP Rep. 4	3.39	--	0.0022	0.0196	0.0324	--	0.0029	0.0098	0.281	--	0.007	0.049	3.51	--	0.033	0.049	0.214	--	0.0133	0.0196	0.00742	--	0.000415	0.00494	0.387	--	0.005	0.049	0.0333	--	0.0017	0.0196	12.8	--	0.092	0.392
RPR3-COMP Rep. 5	3.15	--	0.0021	0.0194	0.0445	--	0.0029	0.0097	0.350	--	0.007	0.048	3.83	--	0.033	0.048	0.196	--	0.0132	0.0194	0.00796	--	0.000392	0.00467	0.352	--	0.005	0.048	0.0301	--	0.0016	0.0194	12.8	--	0.091	0.387
RPR3-COMP Mean	3.46				0.0383				0.310				3.43				0.204				0.00782				0.371				0.0342				12.7			
% of Reference	96				101				75				101				89				59				82				105				94			
RBC1-COMP Rep. 1	4.13	--	0.0044	0.0399	0.0327	--	0.0030	0.0100	0.385	--	0.014	0.100	3.67	--	0.068	0.100	0.299	--	0.0068	0.0100	0.00919	--	0.000386	0.00460	0.360	--	0.010	0.100	0.0467	--	0.0017	0.0199	15.4	--	0.187	0.798
RBC1-COMP Rep. 2	3.65	--	0.0022	0.0197	0.0492	--	0.0030	0.0099	0.405	--	0.014	0.099	4.09	--	0.034	0.049	0.252	--	0.0067	0.0099	0.00873	--	0.000389	0.00463	0.437	--	0.005	0.049	0.0335	--	0.0017	0.0197	14.3	--	0.093	0.395
RBC1-COMP Rep. 3	4.20	--	0.0021	0.0195	0.0417	--	0.0029	0.0097	0.301	--	0.014	0.097	3.56	--	0.033	0.049	0.286	--	0.0066	0.0097	0.00732	--	0.000387	0.00461	0.463	--	0.005	0.049	0.0501	--	0.0017	0.0195	15.2	--	0.092	0.390
RBC1-COMP Rep. 4	3.94	--	0.0022	0.0197	0.0479	--	0.0030	0.0099	0.401	--	0.014	0.099	4.35	--	0.033	0.049	0.343	--	0.0134	0.0197	0.00796	--	0.000419	0.00499	0.395	--	0.005	0.049	0.0626	--	0.0033	0.0394	15.1	--	0.093	0.394
RBC1-COMP Rep. 5	4.15	--	0.0022	0.0198	0.0453	--	0.0030	0.0099	0.524	--	0.014	0.099	4.61	--	0.034	0.049	0.294	--	0.0067	0.0099	0.00902	--	0.000397	0.00473	0.491	--	0.005	0.049	0.0472	--	0.0017	0.0198	16.5	--	0.093	0.396
RBC1-COMP Mean	**4.01**				0.0434				0.403				4.06				0.295				0.00844				0.429				**0.0480**				**15.3**			
% of Reference	112				114				97				119				129				64				95				148				114			
RPR4-COMP Rep. 1	3.71	--	0.0021	0.0194	0.0273	--	0.0029	0.0097	0.236	--	0.007	0.049	2.94	--	0.033	0.049	0.235	--	0.0066	0.0097	0.00830	--	0.000415	0.00494	0.306	--	0.005	0.049	0.0331	--	0.0017	0.0194	12.7	--	0.091	0.389
RPR4-COMP Rep. 2	3.53	--	0.0022	0.0197	0.0267	--	0.0030	0.0098	0.279	--	0.007	0.049	3.69	--	0.033	0.049	0.304	--	0.0134	0.0197	0.00962	--	0.000405	0.00482	0.399	--	0.005	0.049	0.0329	--	0.0017	0.0197	10.2	--	0.093	0.394
RPR4-COMP Rep. 3	3.82	--	0.0022	0.0197	0.0409	--	0.0030	0.0099	0.311	--	0.007	0.049	3.79	--	0.034	0.049	0.378	--	0.0134	0.0197	0.0105	--	0.000410	0.00488	0.417	--	0.005	0.049	0.0443	--	0.0017	0.0197	14.5	--	0.093	0.394
RPR4-COMP Rep. 4	3.80	--	0.0022	0.0196	0.0413	--	0.0029	0.0098	0.240	--	0.007	0.049	3.08	--	0.033	0.049	0.228	--	0.0067	0.0098	0.00905	--	0.000409	0.00486	0.365	--	0.005	0.049	0.0354	--	0.0017	0.0196	12.7	--	0.092	0.392
RPR4-COMP Rep. 5	3.83	--	0.0022	0.0197	0.0346	--	0.0029	0.0098	0.259	--	0.007	0.049	3.27	--	0.033	0.049	0.254	--	0.0067	0.0098	0.00874	--	0.000407	0.00484	0.351	--	0.005	0.049	0.0374	--	0.0017	0.0197	12.4	--	0.092	0.393
RPR4-COMP Mean	3.74				0.0342				0.265				3.35				0.280				0.00924				0.368				0.0366				12.5			
% of Reference	104				90				64				98				123				70				82				113				93			
RPR5-COMP Rep. 1	3.50	--	0.0022	0.0200	0.0384	--	0.0030	0.0100	0.275	--	0.007	0.050	6.49	--	0.034	0.050	0.572	--	0.0068	0.0100	0.00818	--	0.000398	0.00473	0.444	--	0.005	0.050	0.0241	--	0.0017	0.0200	16.9	--	0.094	0.399
RPR5-COMP Rep. 2	3.62	--	0.0021	0.0195	0.0581	--	0.0029	0.0097	0.540	--	0.007	0.049	3.92	--	0.033	0.049	0.322	--	0.0066	0.0097	0.00886	--	0.000386	0.00460	0.426	--	0.005	0.049	0.0423	--	0.0017	0.0195	16.0	--	0.092	0.390
RPR5-COMP Rep. 3	3.63	--	0.0022	0.0197	0.0351	--	0.0030	0.0099	0.282	--	0.014	0.099	2.96	--	0.034	0.049	0.255	--	0.0067	0.0099	0.00775	--	0.000411	0.00490	0.316	--	0.005	0.049	0.0362	--	0.0017	0.0197	13.9	--	0.093	0.395
RPR5-COMP Rep. 4	3.56	--	0.0022	0.0196	0.0428	--	0.0029	0.0098	0.462	--	0.014	0.098	3.87	--	0.033	0.049	0.357	--	0.0067	0.0098	0.0104	--	0.000416	0.00495	0.470	--	0.005	0.049	0.0522	--	0.0017	0.0196	15.1	--	0.092	0.392
RPR5-COMP Rep. 5	4.25	--	0.0022	0.0196	0.0448	--	0.0029	0.0098	0.268	--	0.014	0.098	2.88	--	0.033	0.049	0.286	--	0.0067	0.0098	0.00811	--	0.000413	0.00491	0.375	--	0.005	0.049	0.0492	--	0.0017	0.0196	13.7	--	0.092	0.392
RPR5-COMP Mean	3.71				0.0438				0.365				4.02				**0.358**				0.00866				0.406				0.0408				15.1			
% of Reference	103				115				88				118				157				65				90				126				113			
SJH20-REF Rep. 1	3.56	--	0.0009	0.0080	0.0330	--	0.0012	0.0040	0.667	--	0.003	0.020	4.86	--	0.014	0.020	0.261	--	0.0027	0.0040	0.0134	--	0.000401	0.00477	0.596	--	0.002	0.020	0.0321	--	0.0007	0.0080	12.9	--	0.094	0.400
SJH20-REF Rep. 2	3.63	--	0.0009	0.0080	0.0376	--	0.0030	0.0100	0.309	--	0.003	0.020	2.63	--	0.014	0.020	0.206	--	0.0027	0.0040	0.0123	--	0.000412	0.00490	0.456	--	0.002	0.020	0.0266	--	0.0007	0.0080	14.7	--	0.094	0.399
SJH20-REF Rep. 3	3.58	--	0.0009	0.0080	0.0522	--	0.0030	0.0100	0.299	--	0.003	0.020	3.22	--	0.014	0.020	0.232	--	0.0027	0.0040	0.0141	--	0.000418	0.00498	0.420	--	0.002	0.020	0.0370	--	0.0007	0.0080	12.0	--	0.094	0.400
SJH20-REF Rep. 4	3.93	--	0.0009	0.0080	0.0339	--	0.0012	0.0040	0.338	--	0.003	0.020	2.76	--	0.014	0.020	0.196	--	0.0027	0.0040	0.0133	--	0.000409	0.00487	0.391	--	0.002	0.020	0.0281	--	0.0007	0.0080	14.8	--	0.094	0.398
SJH20-REF Rep. 5	3.29	--	0.0009	0.0079	0.0336	--	0.0012	0.0040	0.463	--	0.003	0.020	3.57	--	0.013	0.020	0.244	--	0.0027	0.0040	0.0133	--	0.000415	0.00495	0.387	--	0.002	0.020	0.0385	--	0.0007	0.0079	12.8	--	0.093	0.397
SJH20-REF Mean	3.60				0.0381				0.415				3.41				0.228				0.0133				0.450				0.0325				13.4			
Pre-exposure Rep. 1	3.57	--	0.0009	0.0079	0.0344	--	0.0012	0.0040	0.181	--	0.003	0.020	3.25	--	0.014	0.020	0.134	--	0.0027	0.0040	0.00991	--	0.000418	0.00498	0.353	--	0.002	0.020	0.0357	--	0.0007	0.0079	14.0	--	0.093	0.397
Pre-exposure Rep. 2	3.11	--	0.0009	0.0080	0.0271	--	0.0012	0.0040	0.248	--	0.003	0.020	2.87	--	0.014	0.020	0.0992	--	0.0027	0.0040	0.00940	--	0.000409	0.00487	0.290	--	0.002	0.020	0.0281	--	0.0007	0.0080	11.5	--	0.094	0.399
Pre-exposure Rep. 3	3.17	--	0.0009	0.0080	0.0315	--	0.0012	0.0040	0.206	--	0.003	0.020	3.16	--	0.014	0.020	0.105	--	0.0027	0.0040	0.00999	--	0.000413	0.00491	0.341	--	0.002	0.020	0.0296	--	0.0007	0.0080	13.1	--	0.094	0.398
Pre-exposure Mean	3.28				0.0310				0.212				3.09				0.113				0.00977				0.328				0.0311				12.9			
FDA Action Level	86				4				13				x				1.7				1				80				x				x			

Bolded values indicate that the mean concentration of project tissues is statistically significantly greater than that of the reference tissues and at least two replicate results are greater than the MDL.
Data qualifiers and acronyms are defined at the front of the tables section.

Sources: Analytical Resources, Inc.; FDA action levels from FDA (2001, 2011); EPA Region 2 Guidance Manual (2016)
Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 17
Analytical Results for Wet Weight Metals in *Alitta virens* Tissues

Analyte:	Arsenic				Cadmium				Chromium				Copper				Lead				Mercury				Nickel				Silver				Zinc			
Sample-Replicate #	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	2.39	--	0.0021	0.0195	0.0356	--	0.0029	0.0097	0.225	--	0.007	0.049	2.65	--	0.033	0.049	0.173	--	0.0066	0.0097	0.0145	--	0.000393	0.00468	0.153	--	0.005	0.049	0.0066	J	0.0007	0.0078	23.4	--	0.183	0.778
RPR1-COMP Rep. 2	2.38	--	0.0022	0.0200	0.0375	--	0.0030	0.0100	0.159	--	0.007	0.050	1.52	--	0.034	0.050	0.0765	--	0.0068	0.0100	0.0190	--	0.000395	0.00470	0.158	--	0.005	0.050	0.0056	J	0.0007	0.0080	13.9	--	0.094	0.399
RPR1-COMP Rep. 3	2.40	--	0.0043	0.0393	0.0429	--	0.0029	0.0098	0.322	--	0.014	0.098	1.49	--	0.067	0.098	0.0920	--	0.0067	0.0098	0.0219	--	0.000388	0.00462	0.208	--	0.010	0.098	0.0063	J	0.0007	0.0079	29.2	--	0.185	0.786
RPR1-COMP Rep. 4	2.29	--	0.0043	0.0389	0.0376	--	0.0029	0.0097	0.314	--	0.007	0.049	1.77	--	0.066	0.097	0.0965	--	0.0066	0.0097	0.0200	--	0.000400	0.00476	0.157	--	0.010	0.097	0.0066	J	0.0007	0.0078	28.0	--	0.183	0.779
RPR1-COMP Rep. 5	2.34	--	0.0022	0.0197	0.0427	--	0.0030	0.0099	0.273	--	0.007	0.049	2.26	--	0.034	0.049	0.0784	--	0.0067	0.0099	0.0207	--	0.000394	0.00469	0.149	--	0.005	0.049	0.0060	J	0.0007	0.0079	17.9	--	0.185	0.789
RPR1-COMP Mean	**2.36**				**0.0393**				0.259				**1.94**				0.1033				0.0192				**0.165**				0.0062				22.5			
% of Reference	117				153				135				132				87				103				145				51				155			
RPR2-COMP Rep. 1	2.31	--	0.0021	0.0194	0.0431	--	0.0029	0.0097	0.194	--	0.007	0.049	1.40	--	0.033	0.049	0.0832	--	0.0066	0.0097	0.0161	--	0.000389	0.00463	0.146	--	0.005	0.049	0.0061	J	0.0007	0.0078	8.52	--	0.091	0.388
RPR2-COMP Rep. 2	2.32	--	0.0021	0.0193	0.0374	--	0.0029	0.0097	0.204	--	0.007	0.048	1.63	--	0.033	0.048	0.0847	--	0.0066	0.0097	0.0167	--	0.000388	0.00462	0.124	--	0.005	0.048	0.0073	J	0.0007	0.0077	11.9	--	0.091	0.387
RPR2-COMP Rep. 3	2.48	--	0.0043	0.0388	0.0392	--	0.0029	0.0097	0.335	--	0.007	0.049	2.08	--	0.066	0.097	0.117	--	0.0066	0.0097	0.0206	--	0.000397	0.00472	0.144	--	0.010	0.097	0.0103	--	0.0007	0.0078	33.2	--	0.365	1.55
RPR2-COMP Rep. 4	2.39	--	0.0021	0.0195	0.0392	--	0.0029	0.0097	0.378	--	0.007	0.049	1.79	--	0.033	0.049	0.0938	--	0.0066	0.0097	0.0171	--	0.000399	0.00475	0.207	--	0.005	0.049	0.0080	--	0.0007	0.0078	9.79	--	0.092	0.390
RPR2-COMP Rep. 5	2.32	--	0.0022	0.0197	0.0393	--	0.0030	0.0099	0.258	--	0.007	0.049	1.52	--	0.034	0.049	0.0949	--	0.0067	0.0099	0.0198	--	0.000392	0.00466	0.152	--	0.005	0.049	0.0089	--	0.0007	0.0079	9.94	--	0.093	0.395
RPR2-COMP Mean	**2.36**				**0.0396**				0.274				1.68				0.0947				0.0181				**0.155**				0.0081				14.7			
% of Reference	117				154				143				115				80				97				136				66				101			
RPR3-COMP Rep. 1	2.22	--	0.0022	0.0197	0.0304	--	0.0030	0.0099	0.294	--	0.007	0.049	1.75	--	0.034	0.049	0.0650	--	0.0067	0.0099	0.0164	--	0.000410	0.00488	0.129	--	0.005	0.049	0.0062	J	0.0007	0.0079	8.30	--	0.093	0.394
RPR3-COMP Rep. 2	2.00	--	0.0043	0.0392	0.0322	--	0.0029	0.0098	0.250	--	0.007	0.049	1.56	--	0.067	0.098	0.0613	--	0.0067	0.0098	0.0237	--	0.000387	0.00460	0.114	--	0.010	0.098	0.0073	J	0.0007	0.0078	38.2	--	0.369	1.57
RPR3-COMP Rep. 3	2.23	--	0.0022	0.0198	0.0378	--	0.0030	0.0099	0.252	--	0.007	0.050	1.53	--	0.034	0.050	0.0647	--	0.0067	0.0099	0.0271	--	0.000417	0.00497	0.139	--	0.005	0.050	0.0078	J	0.0007	0.0079	15.1	--	0.093	0.396
RPR3-COMP Rep. 4	2.36	--	0.0022	0.0199	0.0336	--	0.0030	0.0100	0.235	--	0.007	0.050	1.40	--	0.034	0.050	0.0741	--	0.0068	0.0100	0.0290	--	0.000388	0.00462	0.170	--	0.005	0.050	0.0065	J	0.0007	0.0080	14.8	--	0.094	0.399
RPR3-COMP Rep. 5	2.07	--	0.0022	0.0199	0.0357	--	0.0030	0.0099	0.188	--	0.007	0.050	4.06	--	0.034	0.050	0.229	--	0.0068	0.0099	0.0263	--	0.000419	0.00499	0.149	--	0.005	0.050	0.0091	--	0.0007	0.0080	18.0	--	0.187	0.796
RPR3-COMP Mean	2.18				**0.0339**				0.244				2.06				0.0988				**0.0245**				0.140				0.0074				18.9			
% of Reference	108				132				127				141				83				131				123				60				130			
RBC1-COMP Rep. 1	2.15	--	0.0022	0.0196	0.0342	--	0.0029	0.0098	0.191	--	0.007	0.049	1.45	--	0.033	0.049	0.0651	--	0.0067	0.0098	0.0255	--	0.000406	0.00483	0.123	--	0.005	0.049	0.0172	--	0.0007	0.0078	21.8	--	0.092	0.392
RBC1-COMP Rep. 2	1.95	--	0.0022	0.0198	0.0310	--	0.0030	0.0099	0.281	--	0.007	0.050	1.37	--	0.034	0.050	0.0689	--	0.0067	0.0099	0.0216	--	0.000417	0.00496	0.133	--	0.005	0.050	0.0138	--	0.0007	0.0079	7.86	--	0.093	0.396
RBC1-COMP Rep. 3	2.05	--	0.0022	0.0196	0.0337	--	0.0029	0.0098	0.203	--	0.007	0.049	1.10	--	0.033	0.049	0.0850	--	0.0067	0.0098	0.0230	--	0.000403	0.00480	0.151	--	0.005	0.049	0.0236	--	0.0017	0.0196	15.3	--	0.092	0.392
RBC1-COMP Rep. 4	2.20	--	0.0022	0.0198	0.0374	--	0.0030	0.0099	0.318	--	0.007	0.049	1.64	--	0.034	0.049	0.0902	--	0.0067	0.0099	0.0288	--	0.000415	0.00494	0.205	--	0.005	0.049	0.0224	--	0.0017	0.0198	22.8	--	0.093	0.396
RBC1-COMP Rep. 5	2.53	--	0.0022	0.0199	0.0431	--	0.0030	0.0099	0.334	--	0.014	0.099	1.71	--	0.034	0.050	0.0993	--	0.0068	0.0099	0.0248	--	0.000413	0.00491	0.163	--	0.005	0.050	0.0262	--	0.0017	0.0199	16.3	--	0.093	0.397
RBC1-COMP Mean	2.18				**0.0359**				0.265				1.45				0.0817				**0.0247**				**0.155**				**0.0206**				16.8			
% of Reference	108				140				139				99				69				132				136				168				116			
RPR4-COMP Rep. 1	2.02	--	0.0022	0.0198	0.0309	--	0.0030	0.0099	0.173	--	0.007	0.049	1.26	--	0.034	0.049	0.0797	--	0.0067	0.0099	0.0218	--	0.000420	0.00500	0.122	--	0.005	0.049	0.0095	--	0.0007	0.0079	10.2	--	0.093	0.396
RPR4-COMP Rep. 2	1.94	--	0.0022	0.0199	0.0336	--	0.0030	0.0099	0.122	--	0.007	0.050	1.35	--	0.034	0.050	0.0588	--	0.0068	0.0099	0.0251	--	0.000386	0.00460	0.101	--	0.005	0.050	0.0069	J	0.0007	0.0079	12.5	--	0.093	0.397
RPR4-COMP Rep. 3	1.83	--	0.0022	0.0199	0.0280	--	0.0030	0.0100	0.215	--	0.007	0.050	1.49	--	0.034	0.050	0.0645	--	0.0068	0.0100	0.0232	--	0.000411	0.00490	0.106	--	0.005	0.050	0.0084	--	0.0007	0.0080	8.67	--	0.094	0.398
RPR4-COMP Rep. 4	2.29	--	0.0022	0.0200	0.0391	--	0.0030	0.0100	0.195	--	0.007	0.050	1.46	--	0.034	0.050	0.0837	--	0.0068	0.0100	0.0305	--	0.000410	0.00488	0.167	--	0.005	0.050	0.0082	--	0.0007	0.0080	16.9	--	0.094	0.399
RPR4-COMP Rep. 5	1.99	--	0.0021	0.0195	0.0296	--	0.0029	0.0098	0.257	--	0.007	0.049	1.42	--	0.033	0.049	0.104	--	0.0066	0.0098	0.0198	--	0.000417	0.00497	0.104	--	0.005	0.049	0.0100	--	0.0007	0.0078	12.0	--	0.092	0.391
RPR4-COMP Mean	2.01				**0.0322**				0.192				1.40				0.0781				**0.0241**				0.120				0.0086				12.1			
% of Reference	100				125				101				95				66				129				106				70				83			
RPR5-COMP Rep. 1	2.02	--	0.0022	0.0199	0.0309	--	0.0030	0.0100	0.487	--	0.014	0.100	2.26	--	0.034	0.050	0.0906	--	0.0027	0.0040	0.0250	--	0.000402	0.00478	0.169	--	0.005	0.050	0.0071	J	0.0007	0.0080	15.1	--	0.094	0.399
RPR5-COMP Rep. 2	2.21	--	0.0021	0.0194	0.0370	--	0.0029	0.0097	0.152	--	0.007	0.048	1.51	--	0.033	0.048	0.0825	--	0.0066	0.0097	0.0279	--	0.000409	0.00487	0.125	--	0.005	0.048	0.0076	J	0.0007	0.0078	13.9	--	0.091	0.388
RPR5-COMP Rep. 3	2.18	--	0.0022	0.0200	0.0416	--	0.0030	0.0100	0.459	--	0.007	0.050	1.98	--	0.034	0.050	0.106	--	0.0068	0.0100	0.0245	--	0.000409	0.00486	0.175	--	0.005	0.050	0.0075	J	0.0007	0.0080	14.5	--	0.094	0.399
RPR5-COMP Rep. 4	2.01	--	0.0021	0.0195	0.0317	--	0.0029	0.0097	0.160	--	0.007	0.049	2.06	--	0.033	0.049	0.121	--	0.0066	0.0097	0.0205	--	0.000415	0.00495	0.133	--	0.005	0.049	0.0071	J	0.0007	0.0078	24.8	--	0.183	0.778
RPR5-COMP Rep. 5	2.01	--	0.0022	0.0199	0.0334	--	0.0030	0.0100	0.301	--	0.007	0.050	2.07	--	0.034	0.050	0.0819	--	0.0068	0.0100	0.0214	--	0.000417	0.00497	0.127	--	0.005	0.050	0.0045	J	0.0007	0.0080	12.8	--	0.094	0.398
RPR5-COMP Mean	2.09				**0.0349**				0.312				**1.98**				0.0964				**0.0239**				**0.146**				0.0068				16.2			
% of Reference	103				136				163				135				81				128				128				55				112			
SJH20-REF Rep. 1	1.97	--	0.0009	0.0080	0.0242	--	0.0012	0.0040	0.202	--	0.003	0.020	1.42	--	0.014	0.020	0.144	--	0.0027	0.0040	0.0199	--	0.000416	0.00496	0.124	--	0.002	0.020	0.0136	--	0.0007	0.0080	15.2	--	0.093	0.398
SJH20-REF Rep. 2	2.03	--	0.0009	0.0080	0.0236	--	0.0012	0.0040	0.190	--	0.003	0.020	1.58	--	0.014	0.020	0.0830	--	0.0027	0.0040	0.0195	--	0.000414	0.00493	0.122	--	0.002	0.020	0.0099	--	0.0007	0.0080	8.99	--	0.038	0.160
SJH20-REF Rep. 3	1.94	--	0.0009	0.0079	0.0248	--	0.0012	0.0040	0.175	--	0.003	0.020	1.18	--	0.014	0.020	0.108	--	0.0027	0.0040	0.0174	--	0.000410	0.00488	0.098	--	0.002	0.020	0.0131	--	0.0007	0.0079	6.26	--	0.037	0.159
SJH20-REF Rep. 4	1.97	--	0.0009	0.0080	0.0312	--	0.0060	0.0200	0.226	--	0.003	0.020	1.67	--	0.014	0.020	0.129	--	0.0027	0.0040	0.0201	--	0.000407	0.00484	0.130	--	0.002	0.020	0.0118	--	0.0007	0.0080	30.5	--	0.188	0.799
SJH20-REF Rep. 5	2.21	--	0.0009	0.0080	0.0248	--	0.0012	0.0040	0.164	--	0.003	0.020	1.48	--	0.014	0.020	0.129	--	0.0027	0.0040	0.0165	--	0.000412	0.00491	0.094	--	0.002	0.020	0.0130	--	0.0007	0.0080	11.4	--	0.094	0.399
SJH20-REF Mean	2.02				0.0257				0.191				1.47				0.119				0.0187				0.114				0.0123				14.5			
Pre-exposure Rep. 1	2.27	--	0.0009	0.0080	0.0243	--	0.0012	0.0040	0.181	--	0.003	0.020	1.35	--	0.014	0.020	0.0798	--	0.0027	0.0040	0.0231	--	0.000416	0.00496	0.156	--	0.002	0.020	0.0180	--	0.0007	0.0080	11.2	--	0.094	0.400
Pre-exposure Rep. 2	2.28	--	0.0009	0.0080	0.0232	--	0.0012	0.0040	0.186	--	0.003	0.020	1.33	--	0.014	0.020	0.0677	--	0.0027	0.0040	0.0234	--	0.000417	0.00496	0.133	--	0.002	0.020	0.0167	--	0.0007	0.0080	8.61	--	0.038	0.160
Pre-exposure Rep. 3	2.42	--	0.0009	0.0080	0.0280	--	0.0012	0.0040	0.179	--	0.003	0.020	1.29	--	0.014	0.020	0.0781	--	0.0027	0.0040	0.0255	--	0.000418	0.00498	0.137	--	0.002	0.020	0.0194	--	0.0007	0.0080	7.02	--	0.037	0.159
Pre-exposure Mean	2.32				0.0252				0.182				1.32				0.0752				0.0240				0.142				0.0180				8.94			
FDA Action Level	76				3				12				x				1.5				1				70				x				x			

Bolded values indicate that the mean concentration of project tissues is statistically significantly greater than that of the reference tissues and at least two replicate results are greater than the MDL.
Data qualifiers and acronyms are defined at the front of the tables section.

Sources: Analytical Resources, Inc.; FDA action levels from FDA (2001, 2011); EPA Region 2 Guidance Manual (2016)
Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 18
Analytical Results for Dry Weight Metals in *Macoma nasuta* Tissues

Analyte:	Arsenic				Cadmium				Chromium				Copper				Lead				Mercury				Nickel				Silver				Zinc			
Sample-Replicate #	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	22.0	--	0.011	0.11	0.20	--	0.016	0.053	1.66	--	0.038	0.27	25.3	--	0.18	0.27	2.11	--	0.072	0.106	0.0523	--	0.0022	0.026	1.87	--	0.027	0.27	0.31	--	0.0092	0.11	99.6	--	0.99	4.23
RPR1-COMP Rep. 2	17.9	--	0.013	0.12	0.23	--	0.018	0.059	1.57	--	0.041	0.30	28.4	--	0.20	0.30	1.66	--	0.080	0.117	0.0484	--	0.0024	0.028	2.12	--	0.030	0.30	0.20	--	0.0101	0.12	78.6	--	0.55	2.34
RPR1-COMP Rep. 3	19.2	--	0.013	0.12	0.18	--	0.018	0.058	1.46	--	0.041	0.29	37.0	--	0.20	0.29	1.81	--	0.078	0.115	0.0498	--	0.0023	0.028	1.95	--	0.029	0.29	0.17	--	0.0099	0.12	76.5	--	0.54	2.31
RPR1-COMP Rep. 4	19.8	--	0.012	0.11	0.23	--	0.017	0.055	1.83	--	0.039	0.28	33.0	--	0.19	0.28	1.71	--	0.075	0.111	0.0506	--	0.0022	0.027	2.20	--	0.028	0.28	0.19	--	0.0095	0.11	84.9	--	0.52	2.22
RPR1-COMP Rep. 5	20.4	--	0.012	0.11	0.20	--	0.016	0.054	1.71	--	0.039	0.27	29.6	--	0.18	0.27	2.13	--	0.074	0.108	0.0541	--	0.0023	0.027	2.31	--	0.028	0.27	0.22	--	0.0094	0.11	81.1	--	0.51	2.17
RPR2-COMP Rep. 1	20.7	--	0.012	0.11	0.23	--	0.017	0.057	1.66	--	0.041	0.29	18.5	--	0.19	0.29	1.85	--	0.078	0.114	0.0438	--	0.0024	0.028	2.14	--	0.029	0.29	0.23	--	0.0094	0.11	86.1	--	0.54	2.29
RPR2-COMP Rep. 2	19.3	--	0.012	0.11	0.23	--	0.017	0.056	2.23	--	0.039	0.28	22.8	--	0.19	0.28	2.67	--	0.076	0.111	0.0538	--	0.0022	0.026	2.17	--	0.028	0.28	0.25	--	0.0096	0.11	83.2	--	0.52	2.23
RPR2-COMP Rep. 3	20.8	--	0.012	0.11	0.18	--	0.016	0.054	2.23	--	0.038	0.27	20.7	--	0.18	0.27	1.81	--	0.037	0.054	0.0432	--	0.0022	0.026	1.81	--	0.027	0.27	0.22	--	0.0092	0.11	73.3	--	0.51	2.16
RPR2-COMP Rep. 4	21.5	--	0.012	0.11	0.18	--	0.016	0.054	1.93	--	0.039	0.27	17.7	--	0.18	0.27	2.86	--	0.037	0.054	0.0466	--	0.0023	0.027	2.41	--	0.028	0.27	0.16	--	0.0094	0.11	77.1	--	0.51	2.18
RPR2-COMP Rep. 5	23.6	--	0.012	0.11	0.20	--	0.016	0.053	4.23	--	0.038	0.27	24.3	--	0.18	0.27	2.14	--	0.036	0.053	0.0493	--	0.0022	0.027	2.14	--	0.027	0.27	0.20	--	0.0092	0.11	98.3	--	1.00	4.27
RPR3-COMP Rep. 1	21.5	--	0.013	0.12	0.21	--	0.018	0.058	1.81	--	0.042	0.29	22.5	--	0.20	0.29	1.47	--	0.040	0.058	0.0518	--	0.0025	0.029	2.25	--	0.030	0.29	0.24	--	0.0101	0.12	78.1	--	0.55	2.34
RPR3-COMP Rep. 2	21.4	--	0.012	0.11	0.22	--	0.016	0.054	1.38	--	0.039	0.28	16.5	--	0.19	0.28	0.97	--	0.037	0.054	0.0416	--	0.0022	0.026	1.88	--	0.028	0.28	0.13	--	0.0096	0.11	72.4	--	0.52	2.19
RPR3-COMP Rep. 3	19.3	--	0.013	0.11	0.22	--	0.017	0.057	2.13	--	0.041	0.29	17.8	--	0.20	0.29	1.08	--	0.039	0.057	0.0439	--	0.0023	0.027	2.32	--	0.029	0.29	0.23	--	0.0098	0.11	68.2	--	0.54	2.29
RPR3-COMP Rep. 4	19.1	--	0.012	0.11	0.18	--	0.016	0.055	1.58	--	0.040	0.28	19.8	--	0.19	0.28	1.21	--	0.075	0.111	0.0419	--	0.0023	0.028	2.18	--	0.028	0.28	0.18	--	0.0096	0.11	72.3	--	0.52	2.22
RPR3-COMP Rep. 5	18.7	--	0.013	0.12	0.26	--	0.017	0.058	2.08	--	0.042	0.29	22.7	--	0.20	0.29	1.16	--	0.079	0.115	0.0473	--	0.0023	0.028	2.09	--	0.030	0.29	0.17	--	0.0095	0.12	76.1	--	0.54	2.30
RBC1-COMP Rep. 1	22.3	--	0.024	0.22	0.17	--	0.016	0.054	2.08	--	0.076	0.54	19.8	--	0.37	0.54	1.61	--	0.037	0.054	0.0496	--	0.0021	0.025	1.94	--	0.054	0.54	0.25	--	0.0092	0.11	83.2	--	1.01	4.31
RBC1-COMP Rep. 2	21.6	--	0.013	0.12	0.29	--	0.018	0.059	2.40	--	0.083	0.59	24.2	--	0.20	0.29	1.49	--	0.040	0.059	0.0517	--	0.0023	0.027	2.59	--	0.030	0.29	0.19	--	0.0101	0.12	84.8	--	0.55	2.34
RBC1-COMP Rep. 3	24.3	--	0.012	0.11	0.24	--	0.017	0.056	1.74	--	0.081	0.56	20.6	--	0.19	0.28	1.65	--	0.038	0.056	0.0423	--	0.0022	0.027	2.67	--	0.029	0.28	0.28	--	0.0098	0.11	87.9	--	0.53	2.26
RBC1-COMP Rep. 4	23.3	--	0.013	0.12	0.28	--	0.018	0.059	2.38	--	0.083	0.59	25.8	--	0.20	0.29	2.03	--	0.080	0.117	0.0472	--	0.0025	0.030	2.34	--	0.030	0.29	0.37	--	0.0196	0.23	89.6	--	0.55	2.34
RBC1-COMP Rep. 5	22.0	--	0.012	0.11	0.24	--	0.016	0.053	2.78	--	0.075	0.53	24.5	--	0.18	0.26	1.56	--	0.036	0.053	0.0480	--	0.0021	0.025	2.61	--	0.027	0.26	0.25	--	0.0090	0.11	87.8	--	0.49	2.11
RPR4-COMP Rep. 1	21.5	--	0.012	0.11	0.15	--	0.017	0.056	1.36	--	0.041	0.28	17.0	--	0.19	0.28	1.36	--	0.038	0.056	0.0481	--	0.0024	0.029	1.77	--	0.029	0.28	0.19	--	0.0099	0.11	73.6	--	0.53	2.26
RPR4-COMP Rep. 2	20.8	--	0.013	0.12	0.15	--	0.018	0.058	1.64	--	0.041	0.29	21.7	--	0.19	0.29	1.79	--	0.079	0.116	0.0567	--	0.0024	0.028	2.35	--	0.030	0.29	0.19	--	0.0100	0.12	60.2	--	0.55	2.33
RPR4-COMP Rep. 3	20.8	--	0.012	0.11	0.22	--	0.016	0.054	1.69	--	0.038	0.27	20.6	--	0.19	0.27	2.06	--	0.073	0.108	0.0573	--	0.0022	0.027	2.27	--	0.027	0.27	0.24	--	0.0093	0.11	79.1	--	0.51	2.15
RPR4-COMP Rep. 4	21.4	--	0.012	0.11	0.23	--	0.016	0.055	1.35	--	0.039	0.28	17.3	--	0.19	0.28	1.28	--	0.038	0.055	0.0510	--	0.0023	0.027	2.05	--	0.028	0.28	0.19	--	0.0096	0.11	71.5	--	0.52	2.21
RPR4-COMP Rep. 5	22.3	--	0.013	0.12	0.20	--	0.017	0.057	1.51	--	0.041	0.29	19.0	--	0.19	0.29	1.48	--	0.039	0.057	0.0510	--	0.0024	0.028	2.04	--	0.029	0.29	0.21	--	0.0099	0.12	72.3	--	0.54	2.29
RPR5-COMP Rep. 1	20.1	--	0.013	0.12	0.22	--	0.017	0.058	1.58	--	0.040	0.29	37.3	--	0.20	0.29	3.29	--	0.039	0.058	0.0470	--	0.0023	0.027	2.55	--	0.029	0.29	0.13	--	0.0098	0.12	97.2	--	0.54	2.30
RPR5-COMP Rep. 2	21.8	--	0.013	0.12	0.35	--	0.017	0.058	3.25	--	0.042	0.30	23.6	--	0.20	0.30	1.93	--	0.040	0.058	0.0533	--	0.0023	0.028	2.56	--	0.030	0.30	0.25	--	0.0102	0.12	96.3	--	0.55	2.35
RPR5-COMP Rep. 3	21.0	--	0.013	0.11	0.20	--	0.017	0.057	1.63	--	0.081	0.57	17.1	--	0.20	0.28	1.47	--	0.039	0.057	0.0449	--	0.0024	0.028	1.83	--	0.029	0.28	0.20	--	0.0098	0.11	80.5	--	0.54	2.29
RPR5-COMP Rep. 4	20.5	--	0.013	0.11	0.24	--	0.017	0.057	2.66	--	0.081	0.57	22.3	--	0.19	0.28	2.06	--	0.039	0.057	0.0600	--	0.0024	0.029	2.71	--	0.029	0.28	0.30	--	0.0098	0.11	87.2	--	0.53	2.26
RPR5-COMP Rep. 5	24.0	--	0.012	0.11	0.25	--	0.016	0.055	1.51	--	0.079	0.55	16.2	--	0.19	0.28	1.61	--	0.038	0.055	0.0458	--	0.0023	0.028	2.11	--	0.028	0.28	0.27	--	0.0096	0.11	77.4	--	0.52	2.21
SJH20-REF Rep. 1	20.7	--	0.0052	0.0466	0.192	--	0.0070	0.0233	3.89	--	0.017	0.117	28.3	--	0.082	0.117	1.52	--	0.016	0.0233	0.0781	--	0.0023	0.0278	3.47	--	0.012	0.117	0.187	--	0.0041	0.0466	75.2	--	0.548	2.33
SJH20-REF Rep. 2	19.8	--	0.0049	0.0437	0.205	--	0.0160	0.0546	1.69	--	0.016	0.109	14.4	--	0.076	0.109	1.12	--	0.015	0.0218	0.0671	--	0.0022	0.0267	2.49	--	0.011	0.109	0.145	--	0.0038	0.0437	80.2	--	0.513	2.18
SJH20-REF Rep. 3	20.7	--	0.0052	0.0463	0.302	--	0.0170	0.0578	1.73	--	0.017	0.116	18.6	--	0.081	0.116	1.34	--	0.016	0.0231	0.0816	--	0.0024	0.0288	2.43	--	0.012	0.116	0.214	--	0.0040	0.0463	69.4	--	0.544	2.31
SJH20-REF Rep. 4	21.8	--	0.0050	0.0444	0.188	--	0.0067	0.0222	1.88	--	0.017	0.111	15.3	--	0.078	0.111	1.09	--	0.015	0.0222	0.0738	--	0.0023	0.0270	2.17	--	0.011	0.111	0.156	--	0.0039	0.0444	82.1	--	0.522	2.21
SJH20-REF Rep. 5	18.9	--	0.0052	0.0454	0.193	--	0.0069	0.0230	2.66	--	0.017	0.115	20.5	--	0.075	0.115	1.40	--	0.015	0.0230	0.0763	--	0.0024	0.0284	2.22	--	0.011	0.115	0.221	--	0.0040	0.0454	73.5	--	0.534	2.28
Pre-exposure Rep. 1	19.6	--	0.0049	0.0434	0.189	--	0.0066	0.0220	0.995	--	0.016	0.110	17.9	--	0.077	0.110	0.736	--	0.015	0.0220	0.0545	--	0.0023	0.0274	1.94	--	0.011	0.110	0.196	--	0.0038	0.0434	76.9	--	0.511	2.18
Pre-exposure Rep. 2	17.3	--	0.0050	0.0445	0.151	--	0.0067	0.0222	1.38	--	0.017	0.111	16.0	--	0.078	0.111	0.551	--	0.015	0.0222	0.0523	--	0.0023	0.0271	1.61	--	0.011	0.111	0.156	--	0.0039	0.0445	63.9	--	0.523	2.22
Pre-exposure Rep. 3	17.2	--	0.0049	0.0434	0.171	--	0.0065	0.0217	1.12	--	0.016	0.108	17.1	--	0.076	0.108	0.569	--	0.015	0.0217	0.0542	--	0.0022	0.0266	1.85	--	0.011	0.108	0.161	--	0.0038	0.0434	71.0	--	0.510	2.16

Data qualifiers and acronyms are defined at the front of the tables section.
Source: Analytical Resources, Inc.
Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 19
Analytical Results for Dry Weight Metals in *Alitta virens* Tissues

Analyte:	Arsenic				Cadmium				Chromium				Copper				Lead				Mercury				Nickel				Silver				Zinc			
Sample-Replicate #	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL	Result mg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	16.1	--	0.014	0.13	0.24	--	0.020	0.065	1.51	--	0.047	0.33	17.8	--	0.22	0.33	1.16	--	0.045	0.065	0.0978	--	0.0027	0.0316	1.03	--	0.034	0.33	0.0445	J	0.0047	0.053	157	--	1.23	5.25
RPR1-COMP Rep. 2	15.6	--	0.014	0.13	0.24	--	0.020	0.066	1.04	--	0.046	0.33	9.96	--	0.22	0.33	0.50	--	0.045	0.066	0.12	--	0.0026	0.0308	1.03	--	0.033	0.33	0.0367	J	0.0046	0.052	91.1	--	0.62	2.62
RPR1-COMP Rep. 3	16.2	--	0.029	0.27	0.29	--	0.020	0.066	2.17	--	0.095	0.66	10.0	--	0.45	0.66	0.62	--	0.045	0.066	0.14	--	0.0026	0.0312	1.40	--	0.068	0.66	0.0425	J	0.0047	0.053	197	--	1.25	5.31
RPR1-COMP Rep. 4	15.4	--	0.029	0.26	0.25	--	0.020	0.065	2.12	--	0.047	0.33	11.9	--	0.45	0.65	0.65	--	0.045	0.065	0.13	--	0.0027	0.0321	1.06	--	0.068	0.65	0.0442	J	0.0047	0.052	189	--	1.24	5.26
RPR1-COMP Rep. 5	15.7	--	0.015	0.13	0.28	--	0.020	0.066	1.83	--	0.047	0.33	15.1	--	0.23	0.33	0.52	--	0.045	0.066	0.13	--	0.0026	0.0315	1.00	--	0.034	0.33	0.039	J	0.0046	0.051	120	--	1.24	5.30
RPR2-COMP Rep. 1	15.0	--	0.014	0.13	0.28	--	0.019	0.063	1.26	--	0.046	0.32	9.12	--	0.21	0.32	0.54	--	0.043	0.063	0.10	--	0.0025	0.0302	0.95	--	0.033	0.32	0.0397	J	0.0046	0.051	55.5	--	0.59	2.53
RPR2-COMP Rep. 2	15.4	--	0.014	0.13	0.24	--	0.019	0.065	1.36	--	0.047	0.32	10.8	--	0.22	0.32	0.56	--	0.044	0.065	0.11	--	0.0026	0.0308	0.82	--	0.033	0.32	0.0486	J	0.0047	0.051	79.3	--	0.61	2.58
RPR2-COMP Rep. 3	16.3	--	0.028	0.26	0.25	--	0.019	0.064	2.20	--	0.046	0.32	13.7	--	0.44	0.64	0.77	--	0.044	0.064	0.13	--	0.0026	0.0311	0.94	--	0.066	0.64	0.0676	--	0.0046	0.051	218	--	2.41	10.2
RPR2-COMP Rep. 4	15.6	--	0.014	0.13	0.25	--	0.019	0.064	2.48	--	0.046	0.32	11.7	--	0.22	0.32	0.61	--	0.043	0.064	0.11	--	0.0026	0.0312	1.35	--	0.033	0.32	0.0525	--	0.0046	0.051	64.2	--	0.60	2.56
RPR2-COMP Rep. 5	14.7	--	0.014	0.13	0.24	--	0.019	0.063	1.63	--	0.044	0.31	9.64	--	0.22	0.31	0.60	--	0.043	0.063	0.12	--	0.0025	0.0296	0.96	--	0.032	0.31	0.0564	--	0.0044	0.050	63.0	--	0.59	2.51
RPR3-COMP Rep. 1	14.7	--	0.015	0.13	0.20	--	0.020	0.066	1.95	--	0.047	0.33	11.6	--	0.23	0.33	0.43	--	0.045	0.066	0.10	--	0.0027	0.0324	0.85	--	0.033	0.33	0.0411	J	0.0047	0.052	55.1	--	0.62	2.62
RPR3-COMP Rep. 2	13.4	--	0.029	0.26	0.21	--	0.020	0.066	1.68	--	0.047	0.33	10.5	--	0.45	0.66	0.41	--	0.045	0.066	0.15	--	0.0026	0.0310	0.76	--	0.067	0.66	0.0488	J	0.0047	0.052	257	--	2.49	10.6
RPR3-COMP Rep. 3	14.9	--	0.015	0.13	0.25	--	0.020	0.066	1.68	--	0.047	0.33	10.2	--	0.23	0.33	0.43	--	0.045	0.066	0.18	--	0.0028	0.0333	0.93	--	0.033	0.33	0.0522	J	0.0047	0.053	101	--	0.62	2.65
RPR3-COMP Rep. 4	15.8	--	0.015	0.13	0.22	--	0.020	0.067	1.57	--	0.047	0.34	9.4	--	0.23	0.34	0.49	--	0.046	0.067	0.19	--	0.0026	0.0310	1.14	--	0.034	0.34	0.0436	J	0.0047	0.054	99.4	--	0.63	2.68
RPR3-COMP Rep. 5	13.8	--	0.015	0.13	0.23	--	0.020	0.066	1.25	--	0.047	0.33	27.0	--	0.23	0.33	1.52	--	0.045	0.066	0.17	--	0.0028	0.0333	0.99	--	0.033	0.33	0.0614	--	0.0047	0.054	120	--	1.25	5.31
RBC1-COMP Rep. 1	14.3	--	0.015	0.13	0.22	--	0.019	0.066	1.27	--	0.047	0.33	9.69	--	0.22	0.33	0.43	--	0.045	0.066	0.17	--	0.0027	0.0323	0.82	--	0.033	0.33	0.11	--	0.0047	0.052	145	--	0.61	2.62
RBC1-COMP Rep. 2	12.7	--	0.014	0.13	0.20	--	0.020	0.065	1.84	--	0.046	0.33	8.97	--	0.22	0.33	0.45	--	0.044	0.065	0.14	--	0.0027	0.0325	0.87	--	0.033	0.33	0.0904	--	0.0046	0.052	51.5	--	0.61	2.60
RBC1-COMP Rep. 3	13.3	--	0.014	0.13	0.22	--	0.019	0.064	1.32	--	0.046	0.32	7.18	--	0.22	0.32	0.55	--	0.044	0.064	0.15	--	0.0026	0.0314	0.98	--	0.033	0.32	0.15	--	0.0111	0.128	100	--	0.60	2.56
RBC1-COMP Rep. 4	15.0	--	0.015	0.14	0.25	--	0.020	0.068	2.16	--	0.048	0.33	11.1	--	0.23	0.33	0.61	--	0.046	0.068	0.19	--	0.0028	0.0337	1.39	--	0.034	0.33	0.15	--	0.0116	0.135	155	--	0.63	2.70
RBC1-COMP Rep. 5	16.6	--	0.015	0.13	0.28	--	0.020	0.065	2.20	--	0.092	0.65	11.2	--	0.22	0.33	0.65	--	0.045	0.065	0.16	--	0.0027	0.0324	1.07	--	0.033	0.33	0.17	--	0.0112	0.131	107	--	0.61	2.62
RPR4-COMP Rep. 1	13.6	--	0.015	0.13	0.20	--	0.020	0.067	1.16	--	0.047	0.33	8.50	--	0.23	0.33	0.53	--	0.045	0.067	0.14	--	0.0028	0.0338	0.82	--	0.034	0.33	0.0641	--	0.0047	0.053	68.8	--	0.63	2.67
RPR4-COMP Rep. 2	12.5	--	0.014	0.13	0.21	--	0.019	0.064	0.78	--	0.045	0.32	8.73	--	0.22	0.32	0.38	--	0.044	0.064	0.16	--	0.0025	0.0298	0.65	--	0.032	0.32	0.0446	J	0.0045	0.051	80.9	--	0.60	2.57
RPR4-COMP Rep. 3	12.4	--	0.015	0.14	0.18	--	0.020	0.068	1.45	--	0.047	0.34	10.1	--	0.23	0.34	0.43	--	0.046	0.068	0.15	--	0.0028	0.0332	0.71	--	0.034	0.34	0.0569	--	0.0047	0.054	58.8	--	0.64	2.70
RPR4-COMP Rep. 4	15.0	--	0.014	0.13	0.25	--	0.020	0.066	1.28	--	0.046	0.33	9.58	--	0.22	0.33	0.54	--	0.045	0.066	0.20	--	0.0027	0.0320	1.09	--	0.033	0.33	0.0538	--	0.0046	0.053	110	--	0.62	2.62
RPR4-COMP Rep. 5	13.3	--	0.014	0.13	0.19	--	0.019	0.066	1.72	--	0.047	0.33	9.51	--	0.22	0.33	0.69	--	0.044	0.066	0.13	--	0.0028	0.0333	0.69	--	0.033	0.33	0.0669	--	0.0047	0.052	80.3	--	0.62	2.62
RPR5-COMP Rep. 1	13.7	--	0.015	0.14	0.21	--	0.020	0.068	3.31	--	0.095	0.68	15.3	--	0.23	0.34	0.61	--	0.018	0.027	0.16	--	0.0027	0.0325	1.14	--	0.034	0.34	0.0482	J	0.0048	0.054	102	--	0.64	2.71
RPR5-COMP Rep. 2	14.5	--	0.014	0.13	0.24	--	0.019	0.064	1.00	--	0.046	0.32	9.93	--	0.22	0.32	0.54	--	0.043	0.064	0.18	--	0.0027	0.0320	0.82	--	0.033	0.32	0.05	J	0.0046	0.051	91.4	--	0.60	2.55
RPR5-COMP Rep. 3	14.9	--	0.015	0.14	0.28	--	0.021	0.069	3.15	--	0.048	0.34	13.6	--	0.23	0.34	0.72	--	0.047	0.069	0.16	--	0.0028	0.0334	1.20	--	0.034	0.34	0.0515	J	0.0048	0.055	99.6	--	0.65	2.74
RPR5-COMP Rep. 4	13.7	--	0.014	0.13	0.21	--	0.020	0.066	1.09	--	0.048	0.33	14.0	--	0.23	0.33	0.82	--	0.045	0.066	0.14	--	0.0028	0.0338	0.90	--	0.034	0.33	0.0484	J	0.0048	0.053	169	--	1.25	5.31
RPR5-COMP Rep. 5	13.7	--	0.015	0.14	0.22	--	0.020	0.068	2.05	--	0.048	0.34	14.1	--	0.23	0.34	0.55	--	0.046	0.068	0.14	--	0.0028	0.0339	0.86	--	0.034	0.34	0.0307	J	0.0048	0.055	87.3	--	0.64	2.72
SJH20-REF Rep. 1	14.0	--	0.0064	0.0569	0.172	--	0.0085	0.0284	1.44	--	0.021	0.142	10.1	--	0.100	0.142	1.02	--	0.019	0.0284	0.142	--	0.0030	0.0353	0.882	--	0.014	0.142	0.0967	--	0.0050	0.0569	108	--	0.661	2.83
SJH20-REF Rep. 2	13.7	--	0.0061	0.0541	0.160	--	0.0081	0.0270	1.28	--	0.020	0.135	10.7	--	0.095	0.135	0.561	--	0.018	0.0270	0.132	--	0.0028	0.0333	0.825	--	0.014	0.135	0.0669	--	0.0047	0.0541	60.8	--	0.257	1.08
SJH20-REF Rep. 3	13.1	--	0.0061	0.0534	0.168	--	0.0081	0.0270	1.18	--	0.020	0.135	7.98	--	0.095	0.135	0.730	--	0.018	0.0270	0.118	--	0.0028	0.0330	0.663	--	0.014	0.135	0.0886	--	0.0047	0.0534	42.3	--	0.250	1.08
SJH20-REF Rep. 4	13.4	--	0.0061	0.0543	0.212	--	0.0410	0.1360	1.54	--	0.020	0.136	11.3	--	0.095	0.136	0.876	--	0.018	0.0272	0.137	--	0.0028	0.0329	0.883	--	0.014	0.136	0.0802	--	0.0048	0.0543	207	--	1.28	5.43
SJH20-REF Rep. 5	14.4	--	0.0058	0.0520	0.161	--	0.0078	0.0260	1.07	--	0.019	0.130	9.62	--	0.091	0.130	0.838	--	0.018	0.0260	0.107	--	0.0027	0.0319	0.611	--	0.013	0.130	0.0845	--	0.0045	0.0520	74.1	--	0.611	2.59
Pre-exposure Rep. 1	14.5	--	0.0057	0.0510	0.155	--	0.0077	0.0255	1.15	--	0.019	0.128	8.61	--	0.089	0.128	0.509	--	0.017	0.0255	0.147	--	0.0027	0.0316	0.995	--	0.013	0.128	0.115	--	0.0045	0.0510	71.4	--	0.599	2.55
Pre-exposure Rep. 2	14.7	--	0.0058	0.0516	0.150	--	0.0077	0.0258	1.20	--	0.019	0.129	8.59	--	0.090	0.129	0.437	--	0.017	0.0258	0.151	--	0.0027	0.0320	0.859	--	0.013	0.129	0.108	--	0.0045	0.0516	55.6	--	0.245	1.03
Pre-exposure Rep. 3	16.3	--	0.0061	0.0538	0.188	--	0.0081	0.0269	1.20	--	0.020	0.134	8.68	--	0.094	0.134	0.525	--	0.018	0.0269	0.171	--	0.0028	0.0335	0.921	--	0.013	0.134	0.130	--	0.0047	0.0538	47.2	--	0.249	1.07

Data qualifiers and acronyms are defined at the front of the tables section.
Source: Analytical Resources, Inc.
Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 20
Analytical Results for Wet Weight Pesticides in *Macoma nasuta* Tissues

Analyte:	Aldrin				Chlordane & Derivatives: α (cis)-Chlordane				Chlordane & Derivatives: trans-Nonachlor				DDT & Derivatives: 2,4'-DDD				DDT & Derivatives: 4,4'-DDD				DDT & Derivatives: 2,4'-DDE				DDT & Derivatives: 4,4'-DDE			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.19	1.00	1.10	--	0.32	1.00	<1.00	U	0.25	1.00	0.92	J	0.13	1.00
RPR1-COMP Rep. 2	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<0.99	U	0.23	0.99	<0.99	U	0.19	0.99	1.08	--	0.32	0.99	<0.99	U	0.25	0.99	0.82	J	0.13	0.99
RPR1-COMP Rep. 3	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.19	1.00	1.07	--	0.32	1.00	<1.00	U	0.25	1.00	0.94	J	0.13	1.00
RPR1-COMP Rep. 4	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<0.99	U	0.23	0.99	<0.99	U	0.19	0.99	1.10	--	0.32	0.99	<0.99	U	0.25	0.99	0.88	J	0.13	0.99
RPR1-COMP Rep. 5	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.19	1.00	1.50	--	0.32	1.00	<1.00	U	0.25	1.00	1.35	--	0.13	1.00
RPR1-COMP Mean	0.37				0.11				0.23				0.19				**1.17**				0.25				0.98			
% of Reference	100				100				100				95				366				100				701			
RPR2-COMP Rep. 1	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.19	1.00	1.42	--	0.32	1.00	<1.00	U	0.25	1.00	1.80	P1	0.13	1.00
RPR2-COMP Rep. 2	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.19	1.00	1.78	--	0.32	1.00	<1.00	U	0.25	1.00	1.77	--	0.13	1.00
RPR2-COMP Rep. 3	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<0.99	U	0.23	0.99	<0.99	U	0.19	0.99	1.74	--	0.32	0.99	<0.99	U	0.25	0.99	2.15	--	0.13	0.99
RPR2-COMP Rep. 4	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.19	1.00	2.01	--	0.32	1.00	<1.00	U	0.25	1.00	1.99	--	0.13	1.00
RPR2-COMP Rep. 5	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.20	1.00	3.73	--	0.32	1.00	<1.00	U	0.25	1.00	2.32	--	0.14	1.00
RPR2-COMP Mean	0.37				0.11				0.23				0.19				**2.14**				0.25				**2.01**			
% of Reference	100				100				100				96				668				100				1433			
RPR3-COMP Rep. 1	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.19	1.00	1.12	--	0.32	1.00	<1.00	U	0.25	1.00	0.76	J	0.13	1.00
RPR3-COMP Rep. 2	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.19	1.00	1.02	--	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.13	1.00
RPR3-COMP Rep. 3	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	0.66	J	0.13	1.00
RPR3-COMP Rep. 4	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	0.53	J	0.14	1.00
RPR3-COMP Rep. 5	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	0.51	J	0.13	1.00
RPR3-COMP Mean	0.37				0.11				0.23				0.19				0.62				0.25				0.52			
% of Reference	100				100				100				96				194				100				370			
RBC1-COMP Rep. 1	<3.00	Y1,U	3.00	3.00	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.20	1.00	8.93	--	0.32	1.00	<5.00	Y1,U	5.00	5.00	13.2	P1	0.14	1.00
RBC1-COMP Rep. 2	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.20	1.00	4.71	--	0.32	1.00	<1.00	U	0.25	1.00	8.59	--	0.14	1.00
RBC1-COMP Rep. 3	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.20	1.00	4.82	--	0.32	1.00	<1.00	U	0.25	1.00	5.97	--	0.14	1.00
RBC1-COMP Rep. 4	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.20	1.00	6.47	--	0.32	1.00	<4.00	Y1,U	4.00	4.00	11.9	--	0.14	1.00
RBC1-COMP Rep. 5	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.20	1.00	4.15	--	0.32	1.00	<1.00	U	0.25	1.00	8.00	--	0.14	1.00
RBC1-COMP Mean	0.90				0.11				0.23				0.20				**5.82**				1.95				**9.53**			
% of Reference	242				100				100				100				1818				780				6809			
RPR4-COMP Rep. 1	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.13	1.00
RPR4-COMP Rep. 2	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.13	1.00
RPR4-COMP Rep. 3	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<0.99	U	0.23	0.99	<0.99	U	0.19	0.99	<0.99	U	0.32	0.99	<0.99	U	0.25	0.99	<0.99	U	0.13	0.99
RPR4-COMP Rep. 4	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.13	1.00
RPR4-COMP Rep. 5	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.13	1.00
RPR4-COMP Mean	0.37				0.11				0.23				0.19				0.32				0.25				0.13			
% of Reference	100				100				100				95				100				100				93			
RPR5-COMP Rep. 1	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	0.57	J	0.14	1.00
RPR5-COMP Rep. 2	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	0.40	J	0.14	1.00
RPR5-COMP Rep. 3	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR5-COMP Rep. 4	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR5-COMP Rep. 5	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR5-COMP Mean	0.37				0.11				0.23				0.20				0.32				0.25				0.28			
% of Reference	100				100				100				100				100				100				199			
SJH20-REF Rep. 1	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
SJH20-REF Rep. 2	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
SJH20-REF Rep. 3	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
SJH20-REF Rep. 4	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
SJH20-REF Rep. 5	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
SJH20-REF Mean	0.37				0.11				0.23				0.20				0.32				0.25				0.14			
Pre-exposure Rep. 1	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.13	1.00
Pre-exposure Rep. 2	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
Pre-exposure Rep. 3	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<1.00	U	0.23	1.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
Pre-exposure Mean	0.37				0.11				0.23				0.20				0.32				0.25				0.14			
FDA Action Level	300				300				300				x				x				x				x			

TABLE 20
Analytical Results for Wet Weight Pesticides in *Macoma nasuta* Tissues

Analyte:	DDT & Derivatives												Endosulfan & Derivatives												Heptachlor & Derivatives							
	2,4'-DDT				4,4'-DDT				Dieldrin				Endosulfan I				Endosulfan II				Endosulfan Sulfate				Heptachlor				Heptachlor Epoxide			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.11	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR1-COMP Rep. 2	<0.99	U	0.19	0.99	<0.99	U	0.32	0.99	<0.99	U	0.11	0.99	<0.50	U	0.07	0.50	<0.99	U	0.31	0.99	<0.99	U	0.12	0.99	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR1-COMP Rep. 3	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.11	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR1-COMP Rep. 4	<0.99	U	0.19	0.99	<0.99	U	0.32	0.99	<0.99	U	0.11	0.99	<0.50	U	0.07	0.50	<0.99	U	0.31	0.99	<0.99	U	0.12	0.99	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR1-COMP Rep. 5	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.11	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR1-COMP Mean	0.19				0.32				0.11				0.07				0.31				0.12				0.05				0.17			
% of Reference	100				97				92				100				100				100				100				100			
RPR2-COMP Rep. 1	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.11	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR2-COMP Rep. 2	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.11	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR2-COMP Rep. 3	<0.99	U	0.19	0.99	<0.99	U	0.32	0.99	<0.99	U	0.11	0.99	<0.50	U	0.07	0.50	<0.99	U	0.31	0.99	<0.99	U	0.12	0.99	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR2-COMP Rep. 4	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.11	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR2-COMP Rep. 5	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR2-COMP Mean	0.19				0.32				0.11				0.07				0.31				0.12				0.05				0.17			
% of Reference	100				98				93				100				100				100				100				100			
RPR3-COMP Rep. 1	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.11	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR3-COMP Rep. 2	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.11	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR3-COMP Rep. 3	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.11	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR3-COMP Rep. 4	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR3-COMP Rep. 5	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.11	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR3-COMP Mean	0.19				0.32				0.11				0.07				0.31				0.12				0.05				0.17			
% of Reference	100				98				93				100				100				100				100				100			
RBC1-COMP Rep. 1	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RBC1-COMP Rep. 2	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RBC1-COMP Rep. 3	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RBC1-COMP Rep. 4	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RBC1-COMP Rep. 5	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RBC1-COMP Mean	0.19				0.33				0.12				0.07				0.31				0.12				0.05				0.17			
% of Reference	100				100				100				100				100				100				100				100			
RPR4-COMP Rep. 1	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.11	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR4-COMP Rep. 2	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.11	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR4-COMP Rep. 3	<0.99	U	0.19	0.99	<0.99	U	0.32	0.99	<0.99	U	0.11	0.99	<0.50	U	0.07	0.50	<0.99	U	0.31	0.99	<0.99	U	0.12	0.99	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR4-COMP Rep. 4	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.11	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR4-COMP Rep. 5	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.11	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR4-COMP Mean	0.19				0.32				0.11				0.07				0.31				0.12				0.05				0.17			
% of Reference	100				97				92				100				100				100				100				100			
RPR5-COMP Rep. 1	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR5-COMP Rep. 2	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR5-COMP Rep. 3	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR5-COMP Rep. 4	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR5-COMP Rep. 5	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR5-COMP Mean	0.19				0.33				0.12				0.07				0.31				0.12				0.05				0.17			
% of Reference	100				100				100				100				100				100				100				100			
SJH20-REF Rep. 1	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
SJH20-REF Rep. 2	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
SJH20-REF Rep. 3	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
SJH20-REF Rep. 4	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
SJH20-REF Rep. 5	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
SJH20-REF Mean	0.19				0.33				0.12				0.07				0.31				0.12				0.05				0.17			
Pre-exposure Rep. 1	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.11	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
Pre-exposure Rep. 2	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
Pre-exposure Rep. 3	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
Pre-exposure Mean	0.19				0.33				0.12				0.07				0.31				0.12				0.05				0.17			
FDA Action Level	x				5000				300				x				x				x				300				300			

Bolded values indicate that the mean concentration of project tissues is statistically significantly greater than that of the reference tissues and at least two replicate results are greater than the MDL.
< #.## = The analyte was not detected (U-qualified) at or above the MDL. The value indicates the MRL.
Acronyms and qualifiers are defined at the front of the tables section.

Sources: Analytical Resources, Inc.; FDA action levels from FDA (2001, 2011); EPA Region 2 Guidance Manual (2016)
Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 21
Analytical Results for Wet Weight Pesticides in *Alitta virens* Tissues

Analyte:	Chlordane & Derivatives												DDT & Derivatives											
	Aldrin				α (cis)-Chlordane				trans-Nonachlor				2,4'-DDD				4,4'-DDD				2,4'-DDE				4,4'-DDE			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<4.00	Y1,U	4.00	4.00	<1.00	U	0.20	1.00	1.38	--	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR1-COMP Rep. 2	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<5.00	Y1,U	5.00	5.00	<1.00	U	0.20	1.00	1.10	--	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR1-COMP Rep. 3	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<4.00	Y1,U	4.00	4.00	<1.00	U	0.20	1.00	0.85	J	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR1-COMP Rep. 4	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<2.00	Y1,U	2.00	2.00	<1.00	U	0.20	1.00	0.98	J	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR1-COMP Rep. 5	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<3.00	Y1,U	3.00	3.00	<1.00	U	0.20	1.00	0.68	J	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR1-COMP Mean	0.37				0.11				3.60				0.20				1.00				0.25				0.14			
% of Reference	100				100				118				100				312				100				100			
RPR2-COMP Rep. 1	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<6.00	Y1,U	6.00	6.00	<1.00	U	0.20	1.00	2.16	--	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR2-COMP Rep. 2	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<2.00	Y1,U	2.00	2.00	<1.00	U	0.20	1.00	1.52	--	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR2-COMP Rep. 3	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<3.00	Y1,U	3.00	3.00	<1.00	U	0.20	1.00	2.29	--	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR2-COMP Rep. 4	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<4.00	Y1,U	4.00	4.00	<1.00	U	0.20	1.00	1.53	--	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR2-COMP Rep. 5	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<4.00	Y1,U	4.00	4.00	<1.00	U	0.20	1.00	1.39	--	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR2-COMP Mean	0.37				0.11				3.80				0.20				**1.78**				0.25				0.14			
% of Reference	100				100				125				100				556				100				100			
RPR3-COMP Rep. 1	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<5.00	Y1,U	5.00	5.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR3-COMP Rep. 2	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<3.00	Y1,U	3.00	3.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR3-COMP Rep. 3	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<4.00	Y1,U	4.00	4.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR3-COMP Rep. 4	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<6.00	Y1,U	6.00	6.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR3-COMP Rep. 5	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<9.00	Y1,U	9.00	9.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR3-COMP Mean	0.37				0.11				5.40				0.20				0.32				0.25				0.14			
% of Reference	100				100				177				100				100				100				100			
RBC1-COMP Rep. 1	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<6.00	Y1,U	6.00	6.00	<1.00	U	0.20	1.00	7.72	--	0.32	1.00	<1.00	U	0.25	1.00	2.65	--	0.14	1.00
RBC1-COMP Rep. 2	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<4.00	Y1,U	4.00	4.00	<1.00	U	0.20	1.00	7.60	--	0.32	1.00	<2.00	Y1,U	2.00	2.00	3.16	--	0.14	1.00
RBC1-COMP Rep. 3	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<4.00	Y1,U	4.00	4.00	<1.00	U	0.20	1.00	5.62	--	0.32	1.00	<1.00	U	0.25	1.00	2.21	--	0.14	1.00
RBC1-COMP Rep. 4	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<2.00	Y1,U	2.00	2.00	<1.00	U	0.19	1.00	4.79	--	0.32	1.00	<1.00	U	0.25	1.00	1.72	--	0.13	1.00
RBC1-COMP Rep. 5	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<6.99	Y1,U	6.99	6.99	<1.00	U	0.19	1.00	6.91	--	0.32	1.00	<1.00	U	0.25	1.00	2.02	--	0.13	1.00
RBC1-COMP Mean	0.37				0.11				4.60				0.20				**6.53**				0.60				**2.35**			
% of Reference	100				100				151				98				2040				240				1680			
RPR4-COMP Rep. 1	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<4.00	Y1,U	4.00	4.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR4-COMP Rep. 2	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<5.00	Y1,U	5.00	5.00	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.13	1.00
RPR4-COMP Rep. 3	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<3.00	Y1,U	3.00	3.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR4-COMP Rep. 4	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<4.00	Y1,U	4.00	4.00	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.13	1.00
RPR4-COMP Rep. 5	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<4.00	Y1,U	4.00	4.00	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.13	1.00
RPR4-COMP Mean	0.37				0.11				4.00				0.19				0.32				0.25				0.13			
% of Reference	100				100				131				97				100				100				96			
RPR5-COMP Rep. 1	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<4.00	Y1,U	4.00	4.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR5-COMP Rep. 2	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<7.00	Y1,U	7.00	7.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR5-COMP Rep. 3	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<7.99	Y1,U	7.99	7.99	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.13	1.00
RPR5-COMP Rep. 4	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<5.00	Y1,U	5.00	5.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
RPR5-COMP Rep. 5	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<8.99	Y1,U	8.99	8.99	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.13	1.00
RPR5-COMP Mean	0.37				0.11				6.60				0.20				0.32				0.25				0.14			
% of Reference	100				100				217				98				100				100				97			
SJH20-REF Rep. 1	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<3.00	Y1,U	3.00	3.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
SJH20-REF Rep. 2	<4.30	U	0.37	4.30	<2.70	U	0.11	2.70	<2.70	U	0.23	2.70	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
SJH20-REF Rep. 3	<4.30	U	0.37	4.30	<2.70	U	0.11	2.70	<3.00	Y1,U	3.00	3.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
SJH20-REF Rep. 4	<4.30	U	0.37	4.30	<2.70	U	0.11	2.70	<4.00	Y1,U	4.00	4.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
SJH20-REF Rep. 5	<4.30	U	0.37	4.30	<2.70	U	0.11	2.70	<5.00	Y1,U	5.00	5.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
SJH20-REF Mean	0.37				0.11				3.05				0.20				0.32				0.25				0.14			
Pre-exposure Rep. 1	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<3.00	Y1,U	3.00	3.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
Pre-exposure Rep. 2	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<3.00	Y1,U	3.00	3.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
Pre-exposure Rep. 3	<0.50	U	0.37	0.50	<0.50	U	0.11	0.50	<4.00	Y1,U	4.00	4.00	<1.00	U	0.20	1.00	<1.00	U	0.32	1.00	<1.00	U	0.25	1.00	<1.00	U	0.14	1.00
Pre-exposure Mean	0.37				0.11				3.33				0.20				0.32				0.25				0.14			
FDA Action Level	300				300				300				x				x				x				x			

TABLE 21
Analytical Results for Wet Weight Pesticides in *Alitta virens* Tissues

Analyte:	DDT & Derivatives												Endosulfan & Derivatives												Heptachlor & Derivatives							
	2,4'-DDT				4,4'-DDT				Dieldrin				Endosulfan I				Endosulfan II				Endosulfan Sulfate				Heptachlor				Heptachlor Epoxide			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	<1.00	U	0.19	1.00	<5.00	Y1,U	5.00	5.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR1-COMP Rep. 2	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR1-COMP Rep. 3	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR1-COMP Rep. 4	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR1-COMP Rep. 5	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR1-COMP Mean	0.19				1.26				0.12				0.07				0.31				0.12				0.05				0.17			
% of Reference	100				38				100				100				100				100				100				100			
RPR2-COMP Rep. 1	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR2-COMP Rep. 2	<1.00	U	0.19	1.00	<2.00	Y1,U	2.00	2.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR2-COMP Rep. 3	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR2-COMP Rep. 4	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR2-COMP Rep. 5	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR2-COMP Mean	0.19				0.66				0.12				0.07				0.31				0.12				0.05				0.17			
% of Reference	100				20				100				100				100				100				100				100			
RPR3-COMP Rep. 1	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR3-COMP Rep. 2	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR3-COMP Rep. 3	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR3-COMP Rep. 4	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR3-COMP Rep. 5	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR3-COMP Mean	0.19				0.33				0.12				0.07				0.31				0.12				0.05				0.17			
% of Reference	100				10				100				100				100				100				100				100			
RBC1-COMP Rep. 1	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RBC1-COMP Rep. 2	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RBC1-COMP Rep. 3	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RBC1-COMP Rep. 4	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.11	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RBC1-COMP Rep. 5	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.11	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RBC1-COMP Mean	0.19				0.33				0.12				0.07				0.31				0.12				0.05				0.17			
% of Reference	100				10				97				100				100				100				100				100			
RPR4-COMP Rep. 1	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR4-COMP Rep. 2	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.11	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR4-COMP Rep. 3	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR4-COMP Rep. 4	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.11	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR4-COMP Rep. 5	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.11	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR4-COMP Mean	0.19				0.32				0.11				0.07				0.31				0.12				0.05				0.17			
% of Reference	100				10				95				100				100				100				100				100			
RPR5-COMP Rep. 1	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR5-COMP Rep. 2	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR5-COMP Rep. 3	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.11	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR5-COMP Rep. 4	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR5-COMP Rep. 5	<1.00	U	0.19	1.00	<1.00	U	0.32	1.00	<1.00	U	0.11	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
RPR5-COMP Mean	0.19				0.33				0.12				0.07				0.31				0.12				0.05				0.17			
% of Reference	100				10				97				100				100				100				100				100			
SJH20-REF Rep. 1	<1.00	U	0.19	1.00	<4.00	Y1,U	4.00	4.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
SJH20-REF Rep. 2	<1.00	U	0.19	1.00	<3.00	Y1,U	3.00	3.00	<1.50	U	0.12	1.50	<0.32	U	0.07	0.32	<0.32	U	0.31	0.32	<0.32	U	0.12	0.32	<2.70	U	0.05	2.70	<2.70	U	0.17	2.70
SJH20-REF Rep. 3	<1.00	U	0.19	1.00	<3.50	Y1,U	3.50	3.50	<1.50	U	0.12	1.50	<0.32	U	0.07	0.32	<0.32	U	0.31	0.32	<0.32	U	0.12	0.32	<2.70	U	0.05	2.70	<2.70	U	0.17	2.70
SJH20-REF Rep. 4	<1.00	U	0.19	1.00	<1.00	U	0.33	1.00	<1.50	U	0.12	1.50	<0.32	U	0.07	0.32	<0.32	U	0.31	0.32	<0.32	U	0.12	0.32	<2.70	U	0.05	2.70	<2.70	U	0.17	2.70
SJH20-REF Rep. 5	<1.00	U	0.19	1.00	<6.00	Y1,U	6.00	6.00	<1.50	U	0.12	1.50	<0.32	U	0.07	0.32	<0.32	U	0.31	0.32	<0.32	U	0.12	0.32	<2.70	U	0.05	2.70	<2.70	U	0.17	2.70
SJH20-REF Mean	0.19				3.37				0.12				0.07				0.31				0.12				0.05				0.17			
Pre-exposure Rep. 1	<1.00	U	0.19	1.00	<3.00	Y1,U	3.00	3.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
Pre-exposure Rep. 2	<1.00	U	0.19	1.00	<3.00	Y1,U	3.00	3.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<3.00	U	0.13	3.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
Pre-exposure Rep. 3	<1.00	U	0.19	1.00	<3.00	Y1,U	3.00	3.00	<1.00	U	0.12	1.00	<0.50	U	0.07	0.50	<1.00	U	0.31	1.00	<1.00	U	0.12	1.00	<0.50	U	0.05	0.50	<0.50	U	0.17	0.50
Pre-exposure Mean	0.19				3.00				0.12				0.07				0.31				0.12				0.05				0.17			
FDA Action Level	x				5000				300				x				x				x				300				300			

Bolded values indicate that the mean concentration of project tissues is statistically significantly greater than that of the reference tissues and at least two replicate results are greater than the MDL.
< #.## = The analyte was not detected (U-qualified) at or above the MDL. The value indicates the MRL.
Acronyms and qualifiers are defined at the front of the tables section.

Sources: Analytical Resources, Inc.; FDA action levels from FDA (2001, 2011); EPA Region 2 Guidance Manual (2016)
Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 22
Analytical Results for Dry Weight Pesticides in *Macoma nasuta* Tissues

Analyte:					Chlordane & Derivatives								DDT & Derivatives											
	Aldrin				α (cis)-Chlordane				trans-Nonachlor				2,4'-DDD				4,4'-DDD				2,4'-DDE				4,4'-DDE			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	<2.71	U	2.00	2.71	<2.71	U	0.60	2.71	<5.42	U	1.25	5.42	<5.42	U	1.03	5.42	5.96	--	1.73	5.42	<5.42	U	1.35	5.42	4.98	J	0.70	5.42
RPR1-COMP Rep. 2	<2.96	U	2.19	2.96	<2.96	U	0.65	2.96	<5.85	U	1.36	5.85	<5.85	U	1.12	5.85	6.39	--	1.89	5.85	<5.85	U	1.48	5.85	4.85	J	0.77	5.85
RPR1-COMP Rep. 3	<2.92	U	2.16	2.92	<2.92	U	0.64	2.92	<5.84	U	1.34	5.84	<5.84	U	1.11	5.84	6.25	--	1.87	5.84	<5.84	U	1.46	5.84	5.49	J	0.76	5.84
RPR1-COMP Rep. 4	<2.79	U	2.07	2.79	<2.79	U	0.61	2.79	<5.53	U	1.29	5.53	<5.53	U	1.06	5.53	6.15	--	1.79	5.53	<5.53	U	1.40	5.53	4.92	J	0.73	5.53
RPR1-COMP Rep. 5	<2.76	U	2.04	2.76	<2.76	U	0.61	2.76	<5.52	U	1.27	5.52	<5.52	U	1.05	5.52	8.28	--	1.77	5.52	<5.52	U	1.38	5.52	7.45	--	0.72	5.52
RPR2-COMP Rep. 1	<2.95	U	2.18	2.95	<2.95	U	0.65	2.95	<5.9	U	1.36	5.90	<5.9	U	1.12	5.90	8.38	--	1.89	5.90	<5.9	U	1.47	5.90	10.6	J	0.77	5.90
RPR2-COMP Rep. 2	<2.81	U	2.08	2.81	<2.81	U	0.62	2.81	<5.63	U	1.29	5.63	<5.63	U	1.07	5.63	10.0	--	1.80	5.63	<5.63	U	1.41	5.63	9.96	--	0.73	5.63
RPR2-COMP Rep. 3	<2.7	U	2.00	2.70	<2.7	U	0.59	2.70	<5.34	U	1.24	5.34	<5.34	U	1.03	5.34	9.39	--	1.73	5.34	<5.34	U	1.35	5.34	11.6	--	0.70	5.34
RPR2-COMP Rep. 4	<2.77	U	2.05	2.77	<2.77	U	0.61	2.77	<5.55	U	1.28	5.55	<5.55	U	1.05	5.55	11.2	--	1.78	5.55	<5.55	U	1.39	5.55	11.0	--	0.72	5.55
RPR2-COMP Rep. 5	<2.72	U	2.01	2.72	<2.72	U	0.60	2.72	<5.43	U	1.25	5.43	<5.43	U	1.09	5.43	20.3	--	1.74	5.43	<5.43	U	1.36	5.43	12.6	--	0.76	5.43
RPR3-COMP Rep. 1	<2.98	U	2.21	2.98	<2.98	U	0.66	2.98	<5.96	U	1.37	5.96	<5.96	U	1.13	5.96	6.68	--	1.91	5.96	<5.96	U	1.49	5.96	4.53	J	0.78	5.96
RPR3-COMP Rep. 2	<2.81	U	2.08	2.81	<2.81	U	0.62	2.81	<5.62	U	1.29	5.62	<5.62	U	1.07	5.62	5.73	--	1.80	5.62	<5.62	U	1.40	5.62	<5.62	U	0.73	5.62
RPR3-COMP Rep. 3	<2.89	U	2.14	2.89	<2.89	U	0.64	2.89	<5.79	U	1.33	5.79	<5.79	U	1.10	5.79	<5.79	U	1.85	5.79	<5.79	U	1.45	5.79	3.82	J	0.75	5.79
RPR3-COMP Rep. 4	<2.83	U	2.09	2.83	<2.83	U	0.62	2.83	<5.66	U	1.30	5.66	<5.66	U	1.13	5.66	<5.66	U	1.81	5.66	<5.66	U	1.41	5.66	3.00	J	0.79	5.66
RPR3-COMP Rep. 5	<2.98	U	2.20	2.98	<2.98	U	0.65	2.98	<5.95	U	1.37	5.95	<5.95	U	1.13	5.95	<5.95	U	1.90	5.95	<5.95	U	1.49	5.95	3.04	J	0.77	5.95
RBC1-COMP Rep. 1	<16.2	UJK,U	16.2	16.2	<2.7	U	0.59	2.70	<5.41	U	1.24	5.41	<5.41	U	1.08	5.41	48.3	--	1.73	5.41	<27	UJK,U	27.03	27.0	71.4	--	0.76	5.41
RBC1-COMP Rep. 2	<2.97	U	2.19	2.97	<2.97	U	0.65	2.97	<5.93	U	1.36	5.93	<5.93	U	1.19	5.93	27.9	--	1.90	5.93	<5.93	U	1.48	5.93	50.9	--	0.83	5.93
RBC1-COMP Rep. 3	<2.89	U	2.14	2.89	<2.89	U	0.64	2.89	<5.79	U	1.33	5.79	<5.79	U	1.16	5.79	27.9	--	1.85	5.79	<5.79	U	1.45	5.79	34.5	--	0.81	5.79
RBC1-COMP Rep. 4	<2.97	U	2.20	2.97	<2.97	U	0.65	2.97	<5.94	U	1.37	5.94	<5.94	U	1.19	5.94	38.4	--	1.90	5.94	<23.8	UJK,U	23.75	23.8	70.7	--	0.83	5.94
RBC1-COMP Rep. 5	<2.66	U	1.97	2.66	<2.66	U	0.59	2.66	<5.32	U	1.22	5.32	<5.32	U	1.06	5.32	22.1	--	1.70	5.32	<5.32	U	1.33	5.32	42.6	--	0.75	5.32
RPR4-COMP Rep. 1	<2.9	U	2.14	2.90	<2.9	U	0.64	2.90	<5.8	U	1.33	5.80	<5.8	U	1.10	5.80	<5.8	U	1.86	5.80	<5.8	U	1.45	5.80	<5.8	U	0.75	5.80
RPR4-COMP Rep. 2	<2.95	U	2.18	2.95	<2.95	U	0.65	2.95	<5.9	U	1.36	5.90	<5.9	U	1.12	5.90	<5.9	U	1.89	5.90	<5.9	U	1.48	5.90	<5.9	U	0.77	5.90
RPR4-COMP Rep. 3	<2.73	U	2.02	2.73	<2.73	U	0.60	2.73	<5.41	U	1.26	5.41	<5.41	U	1.04	5.41	<5.41	U	1.75	5.41	<5.41	U	1.37	5.41	<5.41	U	0.71	5.41
RPR4-COMP Rep. 4	<2.82	U	2.09	2.82	<2.82	U	0.62	2.82	<5.64	U	1.30	5.64	<5.64	U	1.07	5.64	<5.64	U	1.80	5.64	<5.64	U	1.41	5.64	<5.64	U	0.73	5.64
RPR4-COMP Rep. 5	<2.92	U	2.16	2.92	<2.92	U	0.64	2.92	<5.84	U	1.34	5.84	<5.84	U	1.11	5.84	<5.84	U	1.87	5.84	<5.84	U	1.46	5.84	<5.84	U	0.76	5.84
RPR5-COMP Rep. 1	<2.88	U	2.13	2.88	<2.88	U	0.63	2.88	<5.76	U	1.32	5.76	<5.76	U	1.15	5.76	<5.76	U	1.84	5.76	<5.76	U	1.44	5.76	3.28	J	0.81	5.76
RPR5-COMP Rep. 2	<3.01	U	2.23	3.01	<3.01	U	0.66	3.01	<6.02	U	1.39	6.02	<6.02	U	1.20	6.02	<6.02	U	1.93	6.02	<6.02	U	1.51	6.02	2.41	J	0.84	6.02
RPR5-COMP Rep. 3	<2.9	U	2.14	2.90	<2.9	U	0.64	2.90	<5.79	U	1.33	5.79	<5.79	U	1.16	5.79	<5.79	U	1.85	5.79	<5.79	U	1.45	5.79	<5.79	U	0.81	5.79
RPR5-COMP Rep. 4	<2.89	U	2.14	2.89	<2.89	U	0.64	2.89	<5.78	U	1.33	5.78	<5.78	U	1.16	5.78	<5.78	U	1.85	5.78	<5.78	U	1.44	5.78	<5.78	U	0.81	5.78
RPR5-COMP Rep. 5	<2.82	U	2.09	2.82	<2.82	U	0.62	2.82	<5.65	U	1.30	5.65	<5.65	U	1.13	5.65	<5.65	U	1.81	5.65	<5.65	U	1.41	5.65	<5.65	U	0.79	5.65
SJH20-REF Rep. 1	<2.91	U	2.16	2.91	<2.91	U	0.641	2.91	<5.83	U	1.34	5.83	<5.83	U	1.17	5.83	<5.83	U	1.86	5.83	<5.83	U	1.46	5.83	<5.83	U	0.816	5.83
SJH20-REF Rep. 2	<2.73	U	2.02	2.73	<2.73	U	0.600	2.73	<5.46	U	1.26	5.46	<5.46	U	1.09	5.46	<5.46	U	1.75	5.46	<5.46	U	1.36	5.46	<5.46	U	0.764	5.46
SJH20-REF Rep. 3	<2.89	U	2.14	2.89	<2.89	U	0.636	2.89	<5.78	U	1.33	5.78	<5.78	U	1.16	5.78	<5.78	U	1.85	5.78	<5.78	U	1.45	5.78	<5.78	U	0.810	5.78
SJH20-REF Rep. 4	<2.77	U	2.05	2.77	<2.77	U	0.610	2.77	<5.55	U	1.28	5.55	<5.55	U	1.11	5.55	<5.55	U	1.78	5.55	<5.55	U	1.39	5.55	<5.55	U	0.777	5.55
SJH20-REF Rep. 5	<2.87	U	2.12	2.87	<2.87	U	0.631	2.87	<5.74	U	1.32	5.74	<5.74	U	1.15	5.74	<5.74	U	1.84	5.74	<5.74	U	1.44	5.74	<5.74	U	0.804	5.74
Pre-exposure Rep. 1	<2.75	U	2.03	2.75	<2.75	U	0.604	2.75	<5.49	U	1.26	5.49	<5.49	U	1.04	5.49	<5.49	U	1.76	5.49	<5.49	U	1.37	5.49	<5.49	U	0.714	5.49
Pre-exposure Rep. 2	<2.78	U	2.06	2.78	<2.78	U	0.611	2.78	<5.56	U	1.28	5.56	<5.56	U	1.11	5.56	<5.56	U	1.78	5.56	<5.56	U	1.39	5.56	<5.56	U	0.778	5.56
Pre-exposure Rep. 3	<2.71	U	2.01	2.71	<2.71	U	0.597	2.71	<5.42	U	1.25	5.42	<5.42	U	1.08	5.42	<5.42	U	1.74	5.42	<5.42	U	1.36	5.42	<5.42	U	0.759	5.42

TABLE 22
Analytical Results for Dry Weight Pesticides in *Macoma nasuta* Tissues

Analyte:	DDT & Derivatives												Endosulfan & Derivatives								Heptachlor & Derivatives							
	2,4'-DDT				4,4'-DDT				Dieldrin				Endosulfan I				Endosulfan II				Endosulfan Sulfate				Heptachlor				Heptachlor Epoxide			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	<5.42	U	1.03	5.42	<5.42	U	1.73	5.42	<5.42	U	0.60	5.42	<2.71	U	0.38	2.71	<5.42	U	1.68	5.42	<5.42	U	0.65	5.42	<2.71	U	0.27	2.71	<2.71	U	0.92	2.71
RPR1-COMP Rep. 2	<5.85	U	1.12	5.85	<5.85	U	1.89	5.85	<5.85	U	0.65	5.85	<2.96	U	0.41	2.96	<5.85	U	1.83	5.85	<5.85	U	0.71	5.85	<2.96	U	0.30	2.96	<2.96	U	1.01	2.96
RPR1-COMP Rep. 3	<5.84	U	1.11	5.84	<5.84	U	1.87	5.84	<5.84	U	0.64	5.84	<2.92	U	0.41	2.92	<5.84	U	1.81	5.84	<5.84	U	0.70	5.84	<2.92	U	0.29	2.92	<2.92	U	0.99	2.92
RPR1-COMP Rep. 4	<5.53	U	1.06	5.53	<5.53	U	1.79	5.53	<5.53	U	0.61	5.53	<2.79	U	0.39	2.79	<5.53	U	1.73	5.53	<5.53	U	0.67	5.53	<2.79	U	0.28	2.79	<2.79	U	0.95	2.79
RPR1-COMP Rep. 5	<5.52	U	1.05	5.52	<5.52	U	1.77	5.52	<5.52	U	0.61	5.52	<2.76	U	0.39	2.76	<5.52	U	1.71	5.52	<5.52	U	0.66	5.52	<2.76	U	0.28	2.76	<2.76	U	0.94	2.76
RPR2-COMP Rep. 1	<5.9	U	1.12	5.90	<5.9	U	1.89	5.90	<5.9	U	0.65	5.90	<2.95	U	0.41	2.95	<5.9	U	1.83	5.90	<5.9	U	0.71	5.90	<2.95	U	0.29	2.95	<2.95	U	1.00	2.95
RPR2-COMP Rep. 2	<5.63	U	1.07	5.63	<5.63	U	1.80	5.63	<5.63	U	0.62	5.63	<2.81	U	0.39	2.81	<5.63	U	1.74	5.63	<5.63	U	0.68	5.63	<2.81	U	0.28	2.81	<2.81	U	0.96	2.81
RPR2-COMP Rep. 3	<5.34	U	1.03	5.34	<5.34	U	1.73	5.34	<5.34	U	0.59	5.34	<2.7	U	0.38	2.70	<5.34	U	1.67	5.34	<5.34	U	0.65	5.34	<2.7	U	0.27	2.70	<2.7	U	0.92	2.70
RPR2-COMP Rep. 4	<5.55	U	1.05	5.55	<5.55	U	1.78	5.55	<5.55	U	0.61	5.55	<2.77	U	0.39	2.77	<5.55	U	1.72	5.55	<5.55	U	0.67	5.55	<2.77	U	0.28	2.77	<2.77	U	0.94	2.77
RPR2-COMP Rep. 5	<5.43	U	1.03	5.43	<5.43	U	1.79	5.43	<5.43	U	0.65	5.43	<2.72	U	0.38	2.72	<5.43	U	1.68	5.43	<5.43	U	0.65	5.43	<2.72	U	0.27	2.72	<2.72	U	0.92	2.72
RPR3-COMP Rep. 1	<5.96	U	1.13	5.96	<5.96	U	1.91	5.96	<5.96	U	0.66	5.96	<2.98	U	0.42	2.98	<5.96	U	1.85	5.96	<5.96	U	0.72	5.96	<2.98	U	0.30	2.98	<2.98	U	1.01	2.98
RPR3-COMP Rep. 2	<5.62	U	1.07	5.62	<5.62	U	1.80	5.62	<5.62	U	0.62	5.62	<2.81	U	0.39	2.81	<5.62	U	1.74	5.62	<5.62	U	0.67	5.62	<2.81	U	0.28	2.81	<2.81	U	0.96	2.81
RPR3-COMP Rep. 3	<5.79	U	1.10	5.79	<5.79	U	1.85	5.79	<5.79	U	0.64	5.79	<2.89	U	0.41	2.89	<5.79	U	1.79	5.79	<5.79	U	0.69	5.79	<2.89	U	0.29	2.89	<2.89	U	0.98	2.89
RPR3-COMP Rep. 4	<5.66	U	1.07	5.66	<5.66	U	1.87	5.66	<5.66	U	0.68	5.66	<2.83	U	0.40	2.83	<5.66	U	1.75	5.66	<5.66	U	0.68	5.66	<2.83	U	0.28	2.83	<2.83	U	0.96	2.83
RPR3-COMP Rep. 5	<5.95	U	1.13	5.95	<5.95	U	1.90	5.95	<5.95	U	0.65	5.95	<2.98	U	0.42	2.98	<5.95	U	1.85	5.95	<5.95	U	0.71	5.95	<2.98	U	0.30	2.98	<2.98	U	1.01	2.98
RBC1-COMP Rep. 1	<5.41	U	1.03	5.41	<5.41	U	1.78	5.41	<5.41	U	0.65	5.41	<2.7	U	0.38	2.70	<5.41	U	1.68	5.41	<5.41	U	0.65	5.41	<2.7	U	0.27	2.70	<2.7	U	0.92	2.70
RBC1-COMP Rep. 2	<5.93	U	1.13	5.93	<5.93	U	1.96	5.93	<5.93	U	0.71	5.93	<2.97	U	0.42	2.97	<5.93	U	1.84	5.93	<5.93	U	0.71	5.93	<2.97	U	0.30	2.97	<2.97	U	1.01	2.97
RBC1-COMP Rep. 3	<5.79	U	1.10	5.79	<5.79	U	1.91	5.79	<5.79	U	0.69	5.79	<2.89	U	0.41	2.89	<5.79	U	1.79	5.79	<5.79	U	0.69	5.79	<2.89	U	0.29	2.89	<2.89	U	0.98	2.89
RBC1-COMP Rep. 4	<5.94	U	1.13	5.94	<5.94	U	1.96	5.94	<5.94	U	0.71	5.94	<2.97	U	0.42	2.97	<5.94	U	1.84	5.94	<5.94	U	0.71	5.94	<2.97	U	0.30	2.97	<2.97	U	1.01	2.97
RBC1-COMP Rep. 5	<5.32	U	1.01	5.32	<5.32	U	1.76	5.32	<5.32	U	0.64	5.32	<2.66	U	0.37	2.66	<5.32	U	1.65	5.32	<5.32	U	0.64	5.32	<2.66	U	0.27	2.66	<2.66	U	0.90	2.66
RPR4-COMP Rep. 1	<5.8	U	1.10	5.80	<5.8	U	1.86	5.80	<5.8	U	0.64	5.80	<2.9	U	0.41	2.90	<5.8	U	1.80	5.80	<5.8	U	0.70	5.80	<2.9	U	0.29	2.90	<2.9	U	0.99	2.90
RPR4-COMP Rep. 2	<5.9	U	1.12	5.90	<5.9	U	1.89	5.90	<5.9	U	0.65	5.90	<2.95	U	0.41	2.95	<5.9	U	1.83	5.90	<5.9	U	0.71	5.90	<2.95	U	0.30	2.95	<2.95	U	1.00	2.95
RPR4-COMP Rep. 3	<5.41	U	1.04	5.41	<5.41	U	1.75	5.41	<5.41	U	0.60	5.41	<2.73	U	0.38	2.73	<5.41	U	1.69	5.41	<5.41	U	0.66	5.41	<2.73	U	0.27	2.73	<2.73	U	0.93	2.73
RPR4-COMP Rep. 4	<5.64	U	1.07	5.64	<5.64	U	1.80	5.64	<5.64	U	0.62	5.64	<2.82	U	0.39	2.82	<5.64	U	1.75	5.64	<5.64	U	0.68	5.64	<2.82	U	0.28	2.82	<2.82	U	0.96	2.82
RPR4-COMP Rep. 5	<5.84	U	1.11	5.84	<5.84	U	1.87	5.84	<5.84	U	0.64	5.84	<2.92	U	0.41	2.92	<5.84	U	1.81	5.84	<5.84	U	0.70	5.84	<2.92	U	0.29	2.92	<2.92	U	0.99	2.92
RPR5-COMP Rep. 1	<5.76	U	1.09	5.76	<5.76	U	1.90	5.76	<5.76	U	0.69	5.76	<2.88	U	0.40	2.88	<5.76	U	1.78	5.76	<5.76	U	0.69	5.76	<2.88	U	0.29	2.88	<2.88	U	0.98	2.88
RPR5-COMP Rep. 2	<6.02	U	1.14	6.02	<6.02	U	1.99	6.02	<6.02	U	0.72	6.02	<3.01	U	0.42	3.01	<6.02	U	1.87	6.02	<6.02	U	0.72	6.02	<3.01	U	0.30	3.01	<3.01	U	1.02	3.01
RPR5-COMP Rep. 3	<5.79	U	1.10	5.79	<5.79	U	1.91	5.79	<5.79	U	0.70	5.79	<2.9	U	0.41	2.90	<5.79	U	1.80	5.79	<5.79	U	0.70	5.79	<2.9	U	0.29	2.90	<2.9	U	0.98	2.90
RPR5-COMP Rep. 4	<5.78	U	1.10	5.78	<5.78	U	1.91	5.78	<5.78	U	0.69	5.78	<2.89	U	0.40	2.89	<5.78	U	1.79	5.78	<5.78	U	0.69	5.78	<2.89	U	0.29	2.89	<2.89	U	0.98	2.89
RPR5-COMP Rep. 5	<5.65	U	1.07	5.65	<5.65	U	1.86	5.65	<5.65	U	0.68	5.65	<2.82	U	0.40	2.82	<5.65	U	1.75	5.65	<5.65	U	0.68	5.65	<2.82	U	0.28	2.82	<2.82	U	0.96	2.82
SJH20-REF Rep. 1	<5.83	U	1.11	5.83	<5.83	U	1.92	5.83	<5.83	U	0.699	5.83	<2.91	U	0.408	2.91	<5.83	U	1.81	5.83	<5.83	U	0.699	5.83	<2.91	U	0.291	2.91	<2.91	U	0.991	2.91
SJH20-REF Rep. 2	<5.46	U	1.04	5.46	<5.46	U	1.80	5.46	<5.46	U	0.655	5.46	<2.73	U	0.382	2.73	<5.46	U	1.69	5.46	<5.46	U	0.655	5.46	<2.73	U	0.273	2.73	<2.73	U	0.928	2.73
SJH20-REF Rep. 3	<5.78	U	1.10	5.78	<5.78	U	1.91	5.78	<5.78	U	0.694	5.78	<2.89	U	0.405	2.89	<5.78	U	1.79	5.78	<5.78	U	0.694	5.78	<2.89	U	0.289	2.89	<2.89	U	0.983	2.89
SJH20-REF Rep. 4	<5.55	U	1.05	5.55	<5.55	U	1.83	5.55	<5.55	U	0.666	5.55	<2.77	U	0.388	2.77	<5.55	U	1.72	5.55	<5.55	U	0.666	5.55	<2.77	U	0.277	2.77	<2.77	U	0.943	2.77
SJH20-REF Rep. 5	<5.74	U	1.09	5.74	<5.74	U	1.89	5.74	<5.74	U	0.689	5.74	<2.87	U	0.402	2.87	<5.74	U	1.78	5.74	<5.74	U	0.689	5.74	<2.87	U	0.287	2.87	<2.87	U	0.976	2.87
Pre-exposure Rep. 1	<5.49	U	1.04	5.49	<5.49	U	1.76	5.49	<5.49	U	0.604	5.49	<2.75	U	0.385	2.75	<5.49	U	1.70	5.49	<5.49	U	0.659	5.49	<2.75	U	0.275	2.75	<2.75	U	0.934	2.75
Pre-exposure Rep. 2	<5.56	U	1.06	5.56	<5.56	U	1.83	5.56	<5.56	U	0.667	5.56	<2.78	U	0.389	2.78	<5.56	U	1.72	5.56	<5.56	U	0.667	5.56	<2.78	U	0.278	2.78	<2.78	U	0.945	2.78
Pre-exposure Rep. 3	<5.42	U	1.03	5.42	<5.42	U	1.79	5.42	<5.42	U	0.651	5.42	<2.71	U	0.380	2.71	<5.42	U	1.68	5.42	<5.42	U	0.651	5.42	<2.71	U	0.271	2.71	<2.71	U	0.922	2.71

Acronyms and qualifiers are defined at the front of the tables section.
< #.## = The analyte was not detected (U-qualified) at or above the MDL. The value indicates the MRL.

Source: Analytical Resources, Inc.
Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 23
Analytical Results for Dry Weight Pesticides in *Alitta virens* Tissues

Analyte:					Chlordane & Derivatives								DDT & Derivatives											
	Aldrin				α (cis)-Chlordane				trans-Nonachlor				2,4'-DDD				4,4'-DDD				2,4'-DDE				4,4'-DDE			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	<3.37	U	2.50	3.37	<3.37	U	0.74	3.37	<27	UJK,U	27.0	27.0	<6.75	U	1.35	6.75	9.31	--	2.16	6.75	<6.75	U	1.69	6.75	<6.75	U	0.94	6.75
RPR1-COMP Rep. 2	<3.28	U	2.43	3.28	<3.28	U	0.72	3.28	<32.8	UJK,U	32.8	32.8	<6.56	U	1.31	6.56	7.21	--	2.10	6.56	<6.56	U	1.64	6.56	<6.56	U	0.92	6.56
RPR1-COMP Rep. 3	<3.38	U	2.50	3.38	<3.38	U	0.74	3.38	<27	UJK,U	27.0	27.0	<6.76	U	1.35	6.76	5.75	J	2.16	6.76	<6.76	U	1.69	6.76	<6.76	U	0.95	6.76
RPR1-COMP Rep. 4	<3.38	U	2.50	3.38	<3.38	U	0.74	3.38	<13.5	UJK,U	13.5	13.5	<6.75	U	1.35	6.75	6.62	J	2.16	6.75	<6.75	U	1.69	6.75	<6.75	U	0.95	6.75
RPR1-COMP Rep. 5	<3.36	U	2.48	3.36	<3.36	U	0.74	3.36	<20.1	UJK,U	20.1	20.1	<6.71	U	1.34	6.71	4.56	J	2.15	6.71	<6.71	U	1.68	6.71	<6.71	U	0.94	6.71
RPR2-COMP Rep. 1	<3.26	U	2.41	3.26	<3.26	U	0.72	3.26	<39.1	UJK,U	39.1	39.1	<6.51	U	1.30	6.51	14.1	--	2.08	6.51	<6.51	U	1.63	6.51	<6.51	U	0.91	6.51
RPR2-COMP Rep. 2	<3.33	U	2.47	3.33	<3.33	U	0.73	3.33	<13.3	UJK,U	13.3	13.3	<6.67	U	1.33	6.67	10.1	--	2.13	6.67	<6.67	U	1.67	6.67	<6.67	U	0.93	6.67
RPR2-COMP Rep. 3	<3.3	U	2.44	3.30	<3.3	U	0.73	3.30	<19.8	UJK,U	19.8	19.8	<6.59	U	1.32	6.59	15.1	--	2.11	6.59	<6.59	U	1.65	6.59	<6.59	U	0.92	6.59
RPR2-COMP Rep. 4	<3.28	U	2.43	3.28	<3.28	U	0.72	3.28	<26.3	UJK,U	26.3	26.3	<6.57	U	1.31	6.57	10.0	--	2.10	6.57	<6.57	U	1.64	6.57	<6.57	U	0.92	6.57
RPR2-COMP Rep. 5	<3.17	U	2.35	3.17	<3.17	U	0.70	3.17	<25.4	UJK,U	25.4	25.4	<6.35	U	1.27	6.35	8.82	--	2.03	6.35	<6.35	U	1.59	6.35	<6.35	U	0.89	6.35
RPR3-COMP Rep. 1	<3.32	U	2.46	3.32	<3.32	U	0.73	3.32	<33.2	UJK,U	33.2	33.2	<6.64	U	1.33	6.64	<6.64	U	2.13	6.64	<6.64	U	1.66	6.64	<6.64	U	0.93	6.64
RPR3-COMP Rep. 2	<3.37	U	2.49	3.37	<3.37	U	0.74	3.37	<20.2	UJK,U	20.2	20.2	<6.74	U	1.35	6.74	<6.74	U	2.16	6.74	<6.74	U	1.69	6.74	<6.74	U	0.94	6.74
RPR3-COMP Rep. 3	<3.35	U	2.48	3.35	<3.35	U	0.74	3.35	<26.8	UJK,U	26.8	26.8	<6.69	U	1.34	6.69	<6.69	U	2.14	6.69	<6.69	U	1.67	6.69	<6.69	U	0.94	6.69
RPR3-COMP Rep. 4	<3.36	U	2.49	3.36	<3.36	U	0.74	3.36	<40.3	UJK,U	40.3	40.3	<6.72	U	1.34	6.72	<6.72	U	2.15	6.72	<6.72	U	1.68	6.72	<6.72	U	0.94	6.72
RPR3-COMP Rep. 5	<3.34	U	2.47	3.34	<3.34	U	0.73	3.34	<60	UJK,U	60.0	60.0	<6.67	U	1.33	6.67	<6.67	U	2.13	6.67	<6.67	U	1.67	6.67	<6.67	U	0.93	6.67
RBC1-COMP Rep. 1	<3.34	U	2.47	3.34	<3.34	U	0.74	3.34	<40.1	UJK,U	40.1	40.1	<6.68	U	1.34	6.68	51.6	--	2.14	6.68	<6.68	U	1.67	6.68	17.7	--	0.94	6.68
RBC1-COMP Rep. 2	<3.28	U	2.42	3.28	<3.28	U	0.72	3.28	<26.2	UJK,U	26.2	26.2	<6.55	U	1.31	6.55	49.8	--	2.10	6.55	<13.1	UJK,U	13.11	13.1	20.7	--	0.92	6.55
RBC1-COMP Rep. 3	<3.27	U	2.42	3.27	<3.27	U	0.72	3.27	<26.1	UJK,U	26.1	26.1	<6.54	U	1.31	6.54	36.7	--	2.09	6.54	<6.54	U	1.63	6.54	14.4	--	0.92	6.54
RBC1-COMP Rep. 4	<3.41	U	2.52	3.41	<3.41	U	0.75	3.41	<13.6	UJK,U	13.6	13.6	<6.82	U	1.30	6.82	32.7	--	2.18	6.82	<6.82	U	1.71	6.82	11.7	--	0.89	6.82
RBC1-COMP Rep. 5	<3.3	U	2.44	3.30	<3.3	U	0.73	3.30	<46.1	UJK,U	46.1	46.1	<6.6	U	1.25	6.60	45.6	--	2.11	6.60	<6.6	U	1.65	6.60	13.3	--	0.86	6.60
RPR4-COMP Rep. 1	<3.38	U	2.50	3.38	<3.38	U	0.74	3.38	<27	UJK,U	27.0	27.0	<6.75	U	1.35	6.75	<6.75	U	2.16	6.75	<6.75	U	1.69	6.75	<6.75	U	0.95	6.75
RPR4-COMP Rep. 2	<3.24	U	2.39	3.24	<3.24	U	0.71	3.24	<32.4	UJK,U	32.4	32.4	<6.47	U	1.23	6.47	<6.47	U	2.07	6.47	<6.47	U	1.62	6.47	<6.47	U	0.84	6.47
RPR4-COMP Rep. 3	<3.39	U	2.51	3.39	<3.39	U	0.75	3.39	<20.4	UJK,U	20.4	20.4	<6.78	U	1.36	6.78	<6.78	U	2.17	6.78	<6.78	U	1.70	6.78	<6.78	U	0.95	6.78
RPR4-COMP Rep. 4	<3.28	U	2.43	3.28	<3.28	U	0.72	3.28	<26.3	UJK,U	26.3	26.3	<6.57	U	1.25	6.57	<6.57	U	2.10	6.57	<6.57	U	1.64	6.57	<6.57	U	0.85	6.57
RPR4-COMP Rep. 5	<3.35	U	2.48	3.35	<3.35	U	0.74	3.35	<26.8	UJK,U	26.8	26.8	<6.7	U	1.27	6.70	<6.7	U	2.14	6.70	<6.7	U	1.67	6.70	<6.7	U	0.87	6.70
RPR5-COMP Rep. 1	<3.4	U	2.52	3.40	<3.4	U	0.75	3.40	<27.2	UJK,U	27.2	27.2	<6.8	U	1.36	6.80	<6.8	U	2.18	6.80	<6.8	U	1.70	6.80	<6.8	U	0.95	6.80
RPR5-COMP Rep. 2	<3.29	U	2.43	3.29	<3.29	U	0.72	3.29	<46.1	UJK,U	46.1	46.1	<6.58	U	1.32	6.58	<6.58	U	2.11	6.58	<6.58	U	1.64	6.58	<6.58	U	0.92	6.58
RPR5-COMP Rep. 3	<3.44	U	2.54	3.44	<3.44	U	0.76	3.44	<54.9	UJK,U	54.9	54.9	<6.87	U	1.31	6.87	<6.87	U	2.20	6.87	<6.87	U	1.72	6.87	<6.87	U	0.89	6.87
RPR5-COMP Rep. 4	<3.42	U	2.53	3.42	<3.42	U	0.75	3.42	<34.2	UJK,U	34.2	34.2	<6.83	U	1.37	6.83	<6.83	U	2.19	6.83	<6.83	U	1.71	6.83	<6.83	U	0.96	6.83
RPR5-COMP Rep. 5	<3.41	U	2.53	3.41	<3.41	U	0.75	3.41	<61.4	UJK,U	61.4	61.4	<6.83	U	1.30	6.83	<6.83	U	2.18	6.83	<6.83	U	1.71	6.83	<6.83	U	0.89	6.83
SJH20-REF Rep. 1	<3.56	U	2.63	3.56	<3.56	U	0.782	3.56	21.3	UJK,U	21.3	21.3	<7.11	U	1.42	7.11	<7.11	U	2.28	7.11	<7.11	U	1.78	7.11	<7.11	U	0.996	7.11
SJH20-REF Rep. 2	<29.1	U	2.50	29.1	<18.3	U	0.744	18.3	<18.3	U	1.56	18.3	<6.76	U	1.35	6.76	<6.76	U	2.16	6.76	<6.76	U	1.69	6.76	<6.76	U	0.947	6.76
SJH20-REF Rep. 3	<29.1	U	2.50	29.1	<18.3	U	0.744	18.3	20.3	UJK,U	20.3	20.3	<6.76	U	1.35	6.76	<6.76	U	2.16	6.76	<6.76	U	1.69	6.76	<6.76	U	0.947	6.76
SJH20-REF Rep. 4	<29.2	U	2.51	29.2	<18.3	U	0.747	18.3	27.2	UJK,U	27.2	27.2	<6.79	U	1.36	6.79	<6.79	U	2.17	6.79	<6.79	U	1.70	6.79	<6.79	U	0.951	6.79
SJH20-REF Rep. 5	<27.9	U	2.40	27.9	<17.5	U	0.715	17.5	32.5	UJK,U	32.5	32.5	<6.50	U	1.30	6.50	<6.50	U	2.08	6.50	<6.50	U	1.62	6.50	<6.50	U	0.910	6.50
Pre-exposure Rep. 1	<3.19	U	2.36	3.19	<3.19	U	0.702	3.19	19.1	UJK,U	19.1	19.1	<6.38	U	1.28	6.38	<6.38	U	2.04	6.38	<6.38	U	1.59	6.38	<6.38	U	0.893	6.38
Pre-exposure Rep. 2	<3.23	U	2.39	3.23	<3.23	U	0.710	3.23	19.4	UJK,U	19.4	19.4	<6.46	U	1.29	6.46	<6.46	U	2.07	6.46	<6.46	U	1.61	6.46	<6.46	U	0.904	6.46
Pre-exposure Rep. 3	<3.36	U	2.49	3.36	<3.36	U	0.740	3.36	26.9	UJK,U	26.9	26.9	<6.72	U	1.34	6.72	<6.72	U	2.15	6.72	<6.72	U	1.68	6.72	<6.72	U	0.941	6.72

TABLE 23
Analytical Results for Dry Weight Pesticides in *Alitta virens* Tissues

Analyte:	DDT & Derivatives												Endosulfan & Derivatives										Heptachlor & Derivatives							
	2,4'-DDT				4,4'-DDT				Dieldrin				Endosulfan I				Endosulfan II				Endosulfan Sulfate				Heptachlor				Heptachlor Epoxide			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	<6.75	U	1.28	6.75	<33.7	UJK,U	33.7	33.7	<6.75	U	0.81	6.75	<3.37	U	0.47	3.37	<6.75	U	2.09	6.75	<6.75	U	0.81	6.75	<3.37	U	0.34	3.37	<3.37	U	1.15	3.37
RPR1-COMP Rep. 2	<6.56	U	1.25	6.56	<6.56	U	2.16	6.56	<6.56	U	0.79	6.56	<3.28	U	0.46	3.28	<6.56	U	2.03	6.56	<6.56	U	0.79	6.56	<3.28	U	0.33	3.28	<3.28	U	1.11	3.28
RPR1-COMP Rep. 3	<6.76	U	1.28	6.76	<6.76	U	2.23	6.76	<6.76	U	0.81	6.76	<3.38	U	0.47	3.38	<6.76	U	2.10	6.76	<6.76	U	0.81	6.76	<3.38	U	0.34	3.38	<3.38	U	1.15	3.38
RPR1-COMP Rep. 4	<6.75	U	1.28	6.75	<6.75	U	2.23	6.75	<6.75	U	0.81	6.75	<3.38	U	0.47	3.38	<6.75	U	2.09	6.75	<6.75	U	0.81	6.75	<3.38	U	0.34	3.38	<3.38	U	1.15	3.38
RPR1-COMP Rep. 5	<6.71	U	1.28	6.71	<6.71	U	2.21	6.71	<6.71	U	0.81	6.71	<3.36	U	0.47	3.36	<6.71	U	2.08	6.71	<6.71	U	0.81	6.71	<3.36	U	0.34	3.36	<3.36	U	1.14	3.36
RPR2-COMP Rep. 1	<6.51	U	1.24	6.51	<6.51	U	2.15	6.51	<6.51	U	0.78	6.51	<3.26	U	0.46	3.26	<6.51	U	2.02	6.51	<6.51	U	0.78	6.51	<3.26	U	0.33	3.26	<3.26	U	1.11	3.26
RPR2-COMP Rep. 2	<6.67	U	1.27	6.67	<13.3	UJK,U	13.3	13.3	<6.67	U	0.80	6.67	<3.33	U	0.47	3.33	<6.67	U	2.07	6.67	<6.67	U	0.80	6.67	<3.33	U	0.33	3.33	<3.33	U	1.13	3.33
RPR2-COMP Rep. 3	<6.59	U	1.25	6.59	<6.59	U	2.18	6.59	<6.59	U	0.79	6.59	<3.3	U	0.46	3.30	<6.59	U	2.04	6.59	<6.59	U	0.79	6.59	<3.3	U	0.33	3.30	<3.3	U	1.12	3.30
RPR2-COMP Rep. 4	<6.57	U	1.25	6.57	<6.57	U	2.17	6.57	<6.57	U	0.79	6.57	<3.28	U	0.46	3.28	<6.57	U	2.04	6.57	<6.57	U	0.79	6.57	<3.28	U	0.33	3.28	<3.28	U	1.12	3.28
RPR2-COMP Rep. 5	<6.35	U	1.21	6.35	<6.35	U	2.09	6.35	<6.35	U	0.76	6.35	<3.17	U	0.44	3.17	<6.35	U	1.97	6.35	<6.35	U	0.76	6.35	<3.17	U	0.32	3.17	<3.17	U	1.08	3.17
RPR3-COMP Rep. 1	<6.64	U	1.26	6.64	<6.64	U	2.19	6.64	<6.64	U	0.80	6.64	<3.32	U	0.47	3.32	<6.64	U	2.06	6.64	<6.64	U	0.80	6.64	<3.32	U	0.33	3.32	<3.32	U	1.13	3.32
RPR3-COMP Rep. 2	<6.74	U	1.28	6.74	<6.74	U	2.23	6.74	<6.74	U	0.81	6.74	<3.37	U	0.47	3.37	<6.74	U	2.09	6.74	<6.74	U	0.81	6.74	<3.37	U	0.34	3.37	<3.37	U	1.15	3.37
RPR3-COMP Rep. 3	<6.69	U	1.27	6.69	<6.69	U	2.21	6.69	<6.69	U	0.80	6.69	<3.35	U	0.47	3.35	<6.69	U	2.07	6.69	<6.69	U	0.80	6.69	<3.35	U	0.33	3.35	<3.35	U	1.14	3.35
RPR3-COMP Rep. 4	<6.72	U	1.28	6.72	<6.72	U	2.22	6.72	<6.72	U	0.81	6.72	<3.36	U	0.47	3.36	<6.72	U	2.08	6.72	<6.72	U	0.81	6.72	<3.36	U	0.34	3.36	<3.36	U	1.14	3.36
RPR3-COMP Rep. 5	<6.67	U	1.27	6.67	<6.67	U	2.20	6.67	<6.67	U	0.80	6.67	<3.34	U	0.47	3.34	<6.67	U	2.07	6.67	<6.67	U	0.80	6.67	<3.34	U	0.33	3.34	<3.34	U	1.13	3.34
RBC1-COMP Rep. 1	<6.68	U	1.27	6.68	<6.68	U	2.21	6.68	<6.68	U	0.80	6.68	<3.34	U	0.47	3.34	<6.68	U	2.07	6.68	<6.68	U	0.80	6.68	<3.34	U	0.33	3.34	<3.34	U	1.14	3.34
RBC1-COMP Rep. 2	<6.55	U	1.25	6.55	<6.55	U	2.16	6.55	<6.55	U	0.79	6.55	<3.28	U	0.46	3.28	<6.55	U	2.03	6.55	<6.55	U	0.79	6.55	<3.28	U	0.33	3.28	<3.28	U	1.11	3.28
RBC1-COMP Rep. 3	<6.54	U	1.24	6.54	<6.54	U	2.16	6.54	<6.54	U	0.78	6.54	<3.27	U	0.46	3.27	<6.54	U	2.03	6.54	<6.54	U	0.78	6.54	<3.27	U	0.33	3.27	<3.27	U	1.11	3.27
RBC1-COMP Rep. 4	<6.82	U	1.30	6.82	<6.82	U	2.18	6.82	<6.82	U	0.75	6.82	<3.41	U	0.48	3.41	<6.82	U	2.11	6.82	<6.82	U	0.82	6.82	<3.41	U	0.34	3.41	<3.41	U	1.16	3.41
RBC1-COMP Rep. 5	<6.6	U	1.25	6.60	<6.6	U	2.11	6.60	<6.6	U	0.73	6.60	<3.3	U	0.46	3.30	<6.6	U	2.04	6.60	<6.6	U	0.79	6.60	<3.3	U	0.33	3.30	<3.3	U	1.12	3.30
RPR4-COMP Rep. 1	<6.75	U	1.28	6.75	<6.75	U	2.23	6.75	<6.75	U	0.81	6.75	<3.38	U	0.47	3.38	<6.75	U	2.09	6.75	<6.75	U	0.81	6.75	<3.38	U	0.34	3.38	<3.38	U	1.15	3.38
RPR4-COMP Rep. 2	<6.47	U	1.23	6.47	<6.47	U	2.07	6.47	<6.47	U	0.71	6.47	<3.24	U	0.45	3.24	<6.47	U	2.01	6.47	<6.47	U	0.78	6.47	<3.24	U	0.32	3.24	<3.24	U	1.10	3.24
RPR4-COMP Rep. 3	<6.78	U	1.29	6.78	<6.78	U	2.24	6.78	<6.78	U	0.81	6.78	<3.39	U	0.47	3.39	<6.78	U	2.10	6.78	<6.78	U	0.81	6.78	<3.39	U	0.34	3.39	<3.39	U	1.15	3.39
RPR4-COMP Rep. 4	<6.57	U	1.25	6.57	<6.57	U	2.10	6.57	<6.57	U	0.72	6.57	<3.28	U	0.46	3.28	<6.57	U	2.04	6.57	<6.57	U	0.79	6.57	<3.28	U	0.33	3.28	<3.28	U	1.12	3.28
RPR4-COMP Rep. 5	<6.7	U	1.27	6.70	<6.7	U	2.14	6.70	<6.7	U	0.74	6.70	<3.35	U	0.47	3.35	<6.7	U	2.08	6.70	<6.7	U	0.80	6.70	<3.35	U	0.33	3.35	<3.35	U	1.14	3.35
RPR5-COMP Rep. 1	<6.8	U	1.29	6.80	<6.8	U	2.24	6.80	<6.8	U	0.82	6.80	<3.4	U	0.48	3.40	<6.8	U	2.11	6.80	<6.8	U	0.82	6.80	<3.4	U	0.34	3.40	<3.4	U	1.16	3.40
RPR5-COMP Rep. 2	<6.58	U	1.25	6.58	<6.58	U	2.17	6.58	<6.58	U	0.79	6.58	<3.29	U	0.46	3.29	<6.58	U	2.04	6.58	<6.58	U	0.79	6.58	<3.29	U	0.33	3.29	<3.29	U	1.12	3.29
RPR5-COMP Rep. 3	<6.87	U	1.31	6.87	<6.87	U	2.20	6.87	<6.87	U	0.76	6.87	<3.44	U	0.48	3.44	<6.87	U	2.13	6.87	<6.87	U	0.82	6.87	<3.44	U	0.34	3.44	<3.44	U	1.17	3.44
RPR5-COMP Rep. 4	<6.83	U	1.30	6.83	<6.83	U	2.25	6.83	<6.83	U	0.82	6.83	<3.42	U	0.48	3.42	<6.83	U	2.12	6.83	<6.83	U	0.82	6.83	<3.42	U	0.34	3.42	<3.42	U	1.16	3.42
RPR5-COMP Rep. 5	<6.83	U	1.30	6.83	<6.83	U	2.18	6.83	<6.83	U	0.75	6.83	<3.41	U	0.48	3.41	<6.83	U	2.12	6.83	<6.83	U	0.82	6.83	<3.41	U	0.34	3.41	<3.41	U	1.16	3.41
SJH20-REF Rep. 1	<7.11	U	1.35	7.11	28.4	UJK,U	28.4	28.4	<7.11	U	0.853	7.11	<3.56	U	0.498	3.56	<7.11	U	2.20	7.11	<7.11	U	0.853	7.11	<3.56	U	0.356	3.56	<3.56	U	1.21	3.56
SJH20-REF Rep. 2	<6.76	U	1.28	6.76	20.3	UJK,U	20.3	20.3	<10.1	U	0.811	10.1	<2.16	U	0.473	2.16	<2.16	U	2.10	2.16	<2.16	U	0.811	2.16	<18.3	U	0.338	18.3	<18.3	U	1.15	18.3
SJH20-REF Rep. 3	<6.76	U	1.28	6.76	23.7	UJK,U	23.7	23.7	<10.1	U	0.811	10.1	<2.16	U	0.473	2.16	<2.16	U	2.10	2.16	<2.16	U	0.811	2.16	<18.3	U	0.338	18.3	<18.3	U	1.15	18.3
SJH20-REF Rep. 4	<6.79	U	1.29	6.79	<6.79	U	2.24	6.79	<10.2	U	0.815	10.2	<2.17	U	0.476	2.17	<2.17	U	2.11	2.17	<2.17	U	0.815	2.17	<18.3	U	0.340	18.3	<18.3	U	1.15	18.3
SJH20-REF Rep. 5	<6.50	U	1.23	6.50	39.0	UJK,U	39.0	39.0	<9.75	U	0.780	9.75	<2.08	U	0.455	2.08	<2.08	U	2.01	2.08	<2.08	U	0.780	2.08	<17.5	U	0.325	17.5	<17.5	U	1.10	17.5
Pre-exposure Rep. 1	<6.38	U	1.21	6.38	19.1	UJK,U	19.1	19.1	<6.38	U	0.765	6.38	<3.19	U	0.446	3.19	<6.38	U	1.98	6.38	<6.38	U	0.765	6.38	<3.19	U	0.319	3.19	<3.19	U	1.08	3.19
Pre-exposure Rep. 2	<6.46	U	1.23	6.46	19.4	UJK,U	19.4	19.4	<6.46	U	0.775	6.46	<3.23	U	0.452	3.23	<6.46	U	2.00	6.46	<19.4	U	0.839	19.4	<3.23	U	0.323	3.23	<3.23	U	1.10	3.23
Pre-exposure Rep. 3	<6.72	U	1.28	6.72	20.2	UJK,U	20.2	20.2	<6.72	U	0.807	6.72	<3.36	U	0.471	3.36	<6.72	U	2.08	6.72	<6.72	U	0.807	6.72	<3.36	U	0.336	3.36	<3.36	U	1.14	3.36

Acronyms and qualifiers are defined at the front of the tables section.
< #.## = The analyte was not detected (U-qualified) at or above the MDL. The value indicates the MRL.

Source: Analytical Resources, Inc.
Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 24
Analytical Results for Wet Weight PAHs in *Macoma nasuta* Tissues

Analyte:	Total LMW PAHs	Total HMW PAHs	Total PAHs	Acenaphthene[LMW]				Acenaphthylene[LMW]				Anthracene[LMW]				Benzo(a)anthracene[HMW]				Benzo(a)pyrene[HMW]				Benzo(b)fluoranthene[HMW]				Benzo(g,h,i)perylene[HMW]				Benzo(k)fluoranthene[HMW]			
Sample-Replicate #	Result µg/kg	Result µg/kg	Result µg/kg	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	57.6	172	230	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	13.2	J	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR1-COMP Rep. 2	53.2	128	181	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	8.93	J	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR1-COMP Rep. 3	51.5	124	176	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR1-COMP Rep. 4	51.5	111	163	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR1-COMP Rep. 5	51.5	120	171	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR1-COMP Mean	53.1	**131**	**184**	5.71				10.8				8.71				9.37				6.14				13.7				10.7				7.60			
% of Reference	103	150	133	100				100				100				114				100				100				100				100			
RPR2-COMP Rep. 1	51.5	89.0	140	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR2-COMP Rep. 2	51.5	90.7	142	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR2-COMP Rep. 3	51.5	90.7	142	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR2-COMP Rep. 4	51.5	99.3	151	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR2-COMP Rep. 5	51.5	88.1	140	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR2-COMP Mean	51.5	**91.5**	**143**	5.71				10.8				8.71				8.24				6.14				13.7				10.7				7.60			
% of Reference	100	105	103	100				100				100				100				100				100				100				100			
RPR3-COMP Rep. 1	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR3-COMP Rep. 2	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR3-COMP Rep. 3	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR3-COMP Rep. 4	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR3-COMP Rep. 5	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR3-COMP Mean	51.5	87.3	139	5.71				10.8				8.71				8.24				6.14				13.7				10.7				7.60			
% of Reference	100	100	100	100				100				100				100				100				100				100				100			
RBC1-COMP Rep. 1	51.3	87.2	139	<49.9	U	5.70	49.9	<49.9	U	10.8	49.9	<49.9	U	8.69	49.9	<49.9	U	8.22	49.9	<49.9	U	6.12	49.9	<49.9	U	13.7	49.9	<49.9	U	10.6	49.9	<49.9	U	7.58	49.9
RBC1-COMP Rep. 2	51.3	87.0	138	<49.9	U	5.70	49.9	<49.9	U	10.8	49.9	<49.9	U	8.69	49.9	<49.9	U	8.22	49.9	<49.9	U	6.12	49.9	<49.9	U	13.7	49.9	<49.9	U	10.6	49.9	<49.9	U	7.58	49.9
RBC1-COMP Rep. 3	51.3	87.0	138	<49.9	U	5.70	49.9	<49.9	U	10.8	49.9	<49.9	U	8.69	49.9	<49.9	U	8.22	49.9	<49.9	U	6.12	49.9	<49.9	U	13.7	49.9	<49.9	U	10.6	49.9	<49.9	U	7.58	49.9
RBC1-COMP Rep. 4	51.5	91.8	143	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RBC1-COMP Rep. 5	51.5	90.0	142	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RBC1-COMP Mean	51.4	88.6	140	5.70				10.8				8.70				8.23				6.13				13.7				10.6				7.59			
% of Reference	100	102	101	100				100				100				100				100				100				99				100			
RPR4-COMP Rep. 1	51.5	91.3	143	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR4-COMP Rep. 2	51.5	88.6	140	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR4-COMP Rep. 3	51.5	92.4	144	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR4-COMP Rep. 4	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR4-COMP Rep. 5	51.5	91.3	143	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR4-COMP Mean	51.5	90.2	142	5.71				10.8				8.71				8.24				6.14				13.7				10.7				7.60			
% of Reference	100	103	102	100				100				100				100				100				100				100				100			
RPR5-COMP Rep. 1	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR5-COMP Rep. 2	51.3	87.0	138	<49.9	U	5.70	49.9	<49.9	U	10.8	49.9	<49.9	U	8.69	49.9	<49.9	U	8.22	49.9	<49.9	U	6.12	49.9	<49.9	U	13.7	49.9	<49.9	U	10.6	49.9	<49.9	U	7.58	49.9
RPR5-COMP Rep. 3	51.3	87.0	138	<49.9	U	5.70	49.9	<49.9	U	10.8	49.9	<49.9	U	8.69	49.9	<49.9	U	8.22	49.9	<49.9	U	6.12	49.9	<49.9	U	13.7	49.9	<49.9	U	10.6	49.9	<49.9	U	7.58	49.9
RPR5-COMP Rep. 4	51.3	87.0	138	<49.9	U	5.70	49.9	<49.9	U	10.8	49.9	<49.9	U	8.69	49.9	<49.9	U	8.22	49.9	<49.9	U	6.12	49.9	<49.9	U	13.7	49.9	<49.9	U	10.6	49.9	<49.9	U	7.58	49.9
RPR5-COMP Rep. 5	51.3	87.0	138	<49.9	U	5.70	49.9	<49.9	U	10.8	49.9	<49.9	U	8.69	49.9	<49.9	U	8.22	49.9	<49.9	U	6.12	49.9	<49.9	U	13.7	49.9	<49.9	U	10.6	49.9	<49.9	U	7.58	49.9
RPR5-COMP Mean	51.4	87.1	138	5.70				10.8				8.69				8.22				6.12				13.7				10.6				7.58			
% of Reference	100	100	100	100				100				100				100				100				100				99				100			
SJH20-REF Rep. 1	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
SJH20-REF Rep. 2	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
SJH20-REF Rep. 3	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
SJH20-REF Rep. 4	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
SJH20-REF Rep. 5	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
SJH20-REF Mean	51.5	87.3	139	5.71				10.8				8.71				8.24				6.14				13.7				10.7				7.60			
Pre-exposure Rep. 1	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
Pre-exposure Rep. 2	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
Pre-exposure Rep. 3	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
Pre-exposure Mean	51.5	87.3	139	5.71				10.8				8.71				8.24				6.14				13.7				10.7				7.60			

TABLE 24
Analytical Results for Wet Weight PAHs in *Macoma nasuta* Tissues

Analyte:	Chrysene[HMW]				Dibenzo(a,h)anthracene[HMW]				Fluoranthene[HMW]				Fluorene[LMW]				Indeno(1,2,3-cd)pyrene[HMW]				Naphthalene[LMW]				Phenanthrene[LMW]				Pyrene[HMW]			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	14.6	J	10.5	50.0	<50.0	U	8.91	50.0	48.7	J	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	13.3	J	7.18	50.0	38.4	J	6.26	50.0
RPR1-COMP Rep. 2	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	29.8	J	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	8.88	J	7.18	50.0	21.4	J	6.26	50.0
RPR1-COMP Rep. 3	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	26.8	J	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	21.1	J	6.26	50.0
RPR1-COMP Rep. 4	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	20.0	J	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	15.1	J	6.26	50.0
RPR1-COMP Rep. 5	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	22.2	J	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	21.2	J	6.26	50.0
RPR1-COMP Mean	11.3				8.91				29.5				6.31				10.5				12.8				8.74				23.4			
% of Reference	108				100				628				100				100				100				122				374			
RPR2-COMP Rep. 1	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	4.77	J	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	7.91	J	6.26	50.0
RPR2-COMP Rep. 2	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	5.63	J	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	8.75	J	6.26	50.0
RPR2-COMP Rep. 3	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	5.03	J	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	9.35	J	6.26	50.0
RPR2-COMP Rep. 4	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	9.57	J	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	13.4	J	6.26	50.0
RPR2-COMP Rep. 5	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	7.06	J	6.26	50.0
RPR2-COMP Mean	10.5				8.91				5.94				6.31				10.5				12.8				7.18				9.29			
% of Reference	100				100				126				100				100				100				100				148			
RPR3-COMP Rep. 1	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR3-COMP Rep. 2	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR3-COMP Rep. 3	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR3-COMP Rep. 4	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR3-COMP Rep. 5	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR3-COMP Mean	10.5				8.91				4.70				6.31				10.5				12.8				7.18				6.26			
% of Reference	100				100				100				100				100				100				100				100			
RBC1-COMP Rep. 1	<49.9	U	10.5	49.9	<49.9	U	8.89	49.9	4.84	J	4.69	49.9	<49.9	U	6.29	49.9	<49.9	U	10.5	49.9	<49.9	U	12.7	49.9	<49.9	U	7.16	49.9	<49.9	U	6.24	49.9
RBC1-COMP Rep. 2	<49.9	U	10.5	49.9	<49.9	U	8.89	49.9	<49.9	U	4.69	49.9	<49.9	U	6.29	49.9	<49.9	U	10.5	49.9	<49.9	U	12.7	49.9	<49.9	U	7.16	49.9	<49.9	U	6.24	49.9
RBC1-COMP Rep. 3	<49.9	U	10.5	49.9	<49.9	U	8.89	49.9	<49.9	U	4.69	49.9	<49.9	U	6.29	49.9	<49.9	U	10.5	49.9	<49.9	U	12.7	49.9	<49.9	U	7.16	49.9	<49.9	U	6.24	49.9
RBC1-COMP Rep. 4	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	8.68	J	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	6.83	J	6.26	50.0
RBC1-COMP Rep. 5	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	7.48	J	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RBC1-COMP Mean	10.5				8.90				6.08				6.30				10.5				12.7				7.17				6.36			
% of Reference	100				100				129				100				100				100				100				102			
RPR4-COMP Rep. 1	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	6.05	J	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	8.99	J	6.26	50.0
RPR4-COMP Rep. 2	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	6.07	J	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR4-COMP Rep. 3	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	7.81	J	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	8.27	J	6.26	50.0
RPR4-COMP Rep. 4	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR4-COMP Rep. 5	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	6.02	J	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	8.98	J	6.26	50.0
RPR4-COMP Mean	10.5				8.91				6.13				6.31				10.5				12.8				7.18				7.75			
% of Reference	100				100				130				100				100				100				100				124			
RPR5-COMP Rep. 1	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR5-COMP Rep. 2	<49.9	U	10.5	49.9	<49.9	U	8.89	49.9	<49.9	U	4.69	49.9	<49.9	U	6.29	49.9	<49.9	U	10.5	49.9	<49.9	U	12.7	49.9	<49.9	U	7.16	49.9	<49.9	U	6.24	49.9
RPR5-COMP Rep. 3	<49.9	U	10.5	49.9	<49.9	U	8.89	49.9	<49.9	U	4.69	49.9	<49.9	U	6.29	49.9	<49.9	U	10.5	49.9	<49.9	U	12.7	49.9	<49.9	U	7.16	49.9	<49.9	U	6.24	49.9
RPR5-COMP Rep. 4	<49.9	U	10.5	49.9	<49.9	U	8.89	49.9	<49.9	U	4.69	49.9	<49.9	U	6.29	49.9	<49.9	U	10.5	49.9	<49.9	U	12.7	49.9	<49.9	U	7.16	49.9	<49.9	U	6.24	49.9
RPR5-COMP Rep. 5	<49.9	U	10.5	49.9	<49.9	U	8.89	49.9	<49.9	U	4.69	49.9	<49.9	U	6.29	49.9	<49.9	U	10.5	49.9	<49.9	U	12.7	49.9	<49.9	U	7.16	49.9	<49.9	U	6.24	49.9
RPR5-COMP Mean	10.5				8.89				4.69				6.29				10.5				12.7				7.16				6.24			
% of Reference	100				100				100				100				100				99				100				100			
SJH20-REF Rep. 1	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
SJH20-REF Rep. 2	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
SJH20-REF Rep. 3	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
SJH20-REF Rep. 4	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
SJH20-REF Rep. 5	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
SJH20-REF Mean	10.5				8.91				4.70				6.31				10.5				12.8				7.18				6.26			
Pre-exposure Rep. 1	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
Pre-exposure Rep. 2	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
Pre-exposure Rep. 3	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
Pre-exposure Mean	10.5				8.91				4.70				6.31				10.5				12.8				7.18				6.26			

Bolded values indicate that the mean concentration of project tissues is statistically significantly greater than that of the reference tissues and at least two replicate results are greater than the MDL.
< #.## = The analyte was not detected (U-qualified) at or above the MDL. The value indicates the MRL.
Non-detect (U-Qualified) results use the MDL for calculating average concentrations and total PAHs. (J-qualified results use the value reported by the laboratory for calculating average concentrations and total PAHs.)
[LMW] Low Molecular Weight PAHs are referenced in Appendix B of the EPA Region 2 Guidance Manual.
[HMW] High Molecular Weight PAHs are referenced in Appendix B of the EPA Region 2 Guidance Manual.
Acronyms and qualifiers are defined at the front of the tables section.
Sources: Results from Analytical Resources, Inc.; EPA Region 2 Guidance Manual (2016)
Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 25
Analytical Results for Wet Weight PAHs in *Alitta virens* Tissues

Analyte:	Total LMW PAHs	Total HMW PAHs	Total PAHs	Acenaphthene[LMW]				Acenaphthylene[LMW]				Anthracene[LMW]				Benzo(a)anthracene[HMW]				Benzo(a)pyrene[HMW]				Benzo(b)fluoranthene[HMW]				Benzo(g,h,i)perylene[HMW]				Benzo(k)fluoranthene[HMW]			
Sample-Replicate #	Result µg/kg	Result µg/kg	Result µg/kg	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	51.5	88.5	140	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR1-COMP Rep. 2	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR1-COMP Rep. 3	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR1-COMP Rep. 4	51.5	87.5	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR1-COMP Rep. 5	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR1-COMP Mean	51.5	87.6	139	5.71				10.8				8.71				8.24				6.14				13.7				10.7				7.60			
% of Reference	100	100	100	100				100				100				100				100				100				100				100			
RPR2-COMP Rep. 1	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR2-COMP Rep. 2	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR2-COMP Rep. 3	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR2-COMP Rep. 4	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR2-COMP Rep. 5	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR2-COMP Mean	51.5	87.3	139	5.71				10.8				8.71				8.24				6.14				13.7				10.7				7.60			
% of Reference	100	100	100	100				100				100				100				100				100				100				100			
RPR3-COMP Rep. 1	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR3-COMP Rep. 2	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR3-COMP Rep. 3	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR3-COMP Rep. 4	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR3-COMP Rep. 5	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR3-COMP Mean	51.5	87.3	139	5.71				10.8				8.71				8.24				6.14				13.7				10.7				7.60			
% of Reference	100	100	100	100				100				100				100				100				100				100				100			
RBC1-COMP Rep. 1	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RBC1-COMP Rep. 2	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RBC1-COMP Rep. 3	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RBC1-COMP Rep. 4	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RBC1-COMP Rep. 5	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RBC1-COMP Mean	51.5	87.3	139	5.71				10.8				8.71				8.24				6.14				13.7				10.7				7.60			
% of Reference	100	100	100	100				100				100				100				100				100				100				100			
RPR4-COMP Rep. 1	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR4-COMP Rep. 2	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR4-COMP Rep. 3	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR4-COMP Rep. 4	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR4-COMP Rep. 5	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR4-COMP Mean	51.5	87.3	139	5.71				10.8				8.71				8.24				6.14				13.7				10.7				7.60			
% of Reference	100	100	100	100				100				100				100				100				100				100				100			
RPR5-COMP Rep. 1	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR5-COMP Rep. 2	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR5-COMP Rep. 3	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR5-COMP Rep. 4	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR5-COMP Rep. 5	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
RPR5-COMP Mean	51.5	87.3	139	5.71				10.8				8.71				8.24				6.14				13.7				10.7				7.60			
% of Reference	100	100	100	100				100				100				100				100				100				100				100			
SJH20-REF Rep. 1	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
SJH20-REF Rep. 2	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
SJH20-REF Rep. 3	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
SJH20-REF Rep. 4	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
SJH20-REF Rep. 5	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
SJH20-REF Mean	51.5	87.3	139	5.71				10.8				8.71				8.24				6.14				13.7				10.7				7.60			
Pre-exposure Rep. 1	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
Pre-exposure Rep. 2	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
Pre-exposure Rep. 3	51.5	87.3	139	<50.0	U	5.71	50.0	<50.0	U	10.8	50.0	<50.0	U	8.71	50.0	<50.0	U	8.24	50.0	<50.0	U	6.14	50.0	<50.0	U	13.7	50.0	<50.0	U	10.7	50.0	<50.0	U	7.60	50.0
Pre-exposure Mean	51.5	87.3	139	5.71				10.8				8.71				8.24				6.14				13.7				10.7				7.60			

TABLE 25
Analytical Results for Wet Weight PAHs in *Alitta virens* Tissues

Analyte:	Chrysene[HMW]				Dibenzo(a,h)anthracene[HMW]				Fluoranthene[HMW]				Fluorene[LMW]				Indeno(1,2,3-cd)pyrene[HMW]				Naphthalene[LMW]				Phenanthrene[LMW]				Pyrene[HMW]			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	5.94	J	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR1-COMP Rep. 2	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR1-COMP Rep. 3	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR1-COMP Rep. 4	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	4.96	J	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR1-COMP Rep. 5	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR1-COMP Mean	10.5				8.91				5.00				6.31				10.5				12.8				7.18				6.26			
% of Reference	100				100				106				100				100				100				100				100			
RPR2-COMP Rep. 1	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR2-COMP Rep. 2	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR2-COMP Rep. 3	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR2-COMP Rep. 4	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR2-COMP Rep. 5	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR2-COMP Mean	10.5				8.91				4.70				6.31				10.5				12.8				7.18				6.26			
% of Reference	100				100				100				100				100				100				100				100			
RPR3-COMP Rep. 1	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR3-COMP Rep. 2	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR3-COMP Rep. 3	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR3-COMP Rep. 4	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR3-COMP Rep. 5	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR3-COMP Mean	10.5				8.91				4.70				6.31				10.5				12.8				7.18				6.26			
% of Reference	100				100				100				100				100				100				100				100			
RBC1-COMP Rep. 1	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RBC1-COMP Rep. 2	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RBC1-COMP Rep. 3	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RBC1-COMP Rep. 4	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RBC1-COMP Rep. 5	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RBC1-COMP Mean	10.5				8.91				4.70				6.31				10.5				12.8				7.18				6.26			
% of Reference	100				100				100				100				100				100				100				100			
RPR4-COMP Rep. 1	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR4-COMP Rep. 2	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR4-COMP Rep. 3	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR4-COMP Rep. 4	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR4-COMP Rep. 5	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR4-COMP Mean	10.5				8.91				4.70				6.31				10.5				12.8				7.18				6.26			
% of Reference	100				100				100				100				100				100				100				100			
RPR5-COMP Rep. 1	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR5-COMP Rep. 2	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR5-COMP Rep. 3	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR5-COMP Rep. 4	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR5-COMP Rep. 5	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
RPR5-COMP Mean	10.5				8.91				4.70				6.31				10.5				12.8				7.18				6.26			
% of Reference	100				100				100				100				100				100				100				100			
SJH20-REF Rep. 1	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
SJH20-REF Rep. 2	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
SJH20-REF Rep. 3	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
SJH20-REF Rep. 4	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
SJH20-REF Rep. 5	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
SJH20-REF Mean	10.5				8.91				4.70				6.31				10.5				12.8				7.18				6.26			
Pre-exposure Rep. 1	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
Pre-exposure Rep. 2	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
Pre-exposure Rep. 3	<50.0	U	10.5	50.0	<50.0	U	8.91	50.0	<50.0	U	4.70	50.0	<50.0	U	6.31	50.0	<50.0	U	10.5	50.0	<50.0	U	12.8	50.0	<50.0	U	7.18	50.0	<50.0	U	6.26	50.0
Pre-exposure Mean	10.5				8.91				4.70				6.31				10.5				12.8				7.18				6.26			

< #.## = The analyte was not detected (U-qualified) at or above the MDL. The value indicates the MRL.
Non-detect (U-qualified) results use the MDL for calculating average concentrations and total PAHs. (J-qualified results use the value reported by the laboratory for calculating average concentrations and total PAHs.)
[LMW] Low Molecular Weight PAHs are referenced in Appendix B of the EPA Region 2 Guidance Manual.
[HMW] High Molecular Weight PAHs are referenced in Appendix B of the EPA Region 2 Guidance Manual.
Acronyms and qualifiers are defined at the front of the tables section.
Sources: Results from Analytical Resources, Inc.; EPA Region 2 Guidance Manual (2016)
Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 26
Analytical Results for Dry Weight PAHs in *Macoma nasuta* Tissues

Analyte:	Acenaphthene[LMW]				Acenaphthylene[LMW]				Anthracene[LMW]				Benzo(a)anthracene[HMW]				Benzo(a)pyrene[HMW]				Benzo(b)fluoranthene[HMW]				Benzo(g,h,i)perylene[HMW]				Benzo(k)fluoranthene[HMW]			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	<271	U	30.9	271	<271	U	58.5	271	<271	U	47.2	271	71.5	J	44.6	271	<271	U	33.3	271	<271	U	74.2	271	<271	U	58.0	271	<271	U	41.2	271
RPR1-COMP Rep. 2	<296	U	33.8	296	<296	U	63.9	296	<296	U	51.5	296	52.8	J	48.7	296	<296	U	36.3	296	<296	U	81.0	296	<296	U	63.3	296	<296	U	44.9	296
RPR1-COMP Rep. 3	<292	U	33.4	292	<292	U	63.1	292	<292	U	50.9	292	<292	U	48.1	292	<292	U	35.9	292	<292	U	80.0	292	<292	U	62.5	292	<292	U	44.4	292
RPR1-COMP Rep. 4	<279	U	31.9	279	<279	U	60.4	279	<279	U	48.7	279	<279	U	46.1	279	<279	U	34.3	279	<279	U	76.6	279	<279	U	59.8	279	<279	U	42.5	279
RPR1-COMP Rep. 5	<276	U	31.5	276	<276	U	59.6	276	<276	U	48.1	276	<276	U	45.5	276	<276	U	33.9	276	<276	U	75.6	276	<276	U	59.1	276	<276	U	42.0	276
RPR2-COMP Rep. 1	<295	U	33.7	295	<295	U	63.7	295	<295	U	51.4	295	<295	U	48.6	295	<295	U	36.2	295	<295	U	80.8	295	<295	U	63.1	295	<295	U	44.8	295
RPR2-COMP Rep. 2	<281	U	32.1	281	<281	U	60.8	281	<281	U	49.0	281	<281	U	46.4	281	<281	U	34.6	281	<281	U	77.1	281	<281	U	60.2	281	<281	U	42.8	281
RPR2-COMP Rep. 3	<270	U	30.8	270	<270	U	58.3	270	<270	U	47.0	270	<270	U	44.5	270	<270	U	33.1	270	<270	U	73.9	270	<270	U	57.7	270	<270	U	41.0	270
RPR2-COMP Rep. 4	<277	U	31.7	277	<277	U	59.9	277	<277	U	48.3	277	<277	U	45.7	277	<277	U	34.1	277	<277	U	76.0	277	<277	U	59.4	277	<277	U	42.2	277
RPR2-COMP Rep. 5	<272	U	31.0	272	<272	U	58.7	272	<272	U	47.3	272	<272	U	44.8	272	<272	U	33.4	272	<272	U	74.4	272	<272	U	58.1	272	<272	U	41.3	272
RPR3-COMP Rep. 1	<298	U	34.0	298	<298	U	64.4	298	<298	U	51.9	298	<298	U	49.1	298	<298	U	36.6	298	<298	U	81.7	298	<298	U	63.8	298	<298	U	45.3	298
RPR3-COMP Rep. 2	<281	U	32.1	281	<281	U	60.7	281	<281	U	48.9	281	<281	U	46.3	281	<281	U	34.5	281	<281	U	77.0	281	<281	U	60.1	281	<281	U	42.7	281
RPR3-COMP Rep. 3	<289	U	33.0	289	<289	U	62.5	289	<289	U	50.4	289	<289	U	47.7	289	<289	U	35.5	289	<289	U	79.3	289	<289	U	61.9	289	<289	U	44.0	289
RPR3-COMP Rep. 4	<283	U	32.3	283	<283	U	61.1	283	<283	U	49.3	283	<283	U	46.6	283	<283	U	34.7	283	<283	U	77.5	283	<283	U	60.5	283	<283	U	43.0	283
RPR3-COMP Rep. 5	<298	U	34.0	298	<298	U	64.3	298	<298	U	51.8	298	<298	U	49.0	298	<298	U	36.5	298	<298	U	81.5	298	<298	U	63.7	298	<298	U	45.2	298
RBC1-COMP Rep. 1	<270	U	30.8	270	<270	U	58.4	270	<270	U	47.0	270	<270	U	44.4	270	<270	U	33.1	270	<270	U	74.1	270	<270	U	57.3	270	<270	U	41.0	270
RBC1-COMP Rep. 2	<296	U	33.8	296	<296	U	64.1	296	<296	U	51.5	296	<296	U	48.8	296	<296	U	36.3	296	<296	U	81.3	296	<296	U	62.9	296	<296	U	45.0	296
RBC1-COMP Rep. 3	<289	U	33.0	289	<289	U	62.5	289	<289	U	50.3	289	<289	U	47.6	289	<289	U	35.4	289	<289	U	79.3	289	<289	U	61.3	289	<289	U	43.9	289
RBC1-COMP Rep. 4	<297	U	33.9	297	<297	U	64.1	297	<297	U	51.7	297	<297	U	48.9	297	<297	U	36.5	297	<297	U	81.4	297	<297	U	63.5	297	<297	U	45.1	297
RBC1-COMP Rep. 5	<266	U	30.4	266	<266	U	57.5	266	<266	U	46.4	266	<266	U	43.9	266	<266	U	32.7	266	<266	U	72.9	266	<266	U	56.9	266	<266	U	40.4	266
RPR4-COMP Rep. 1	<290	U	33.1	290	<290	U	62.6	290	<290	U	50.5	290	<290	U	47.8	290	<290	U	35.6	290	<290	U	79.4	290	<290	U	62.0	290	<290	U	44.1	290
RPR4-COMP Rep. 2	<295	U	33.7	295	<295	U	63.8	295	<295	U	51.4	295	<295	U	48.6	295	<295	U	36.2	295	<295	U	80.9	295	<295	U	63.2	295	<295	U	44.9	295
RPR4-COMP Rep. 3	<273	U	31.2	273	<273	U	59.0	273	<273	U	47.6	273	<273	U	45.0	273	<273	U	33.5	273	<273	U	74.8	273	<273	U	58.4	273	<273	U	41.5	273
RPR4-COMP Rep. 4	<282	U	32.2	282	<282	U	60.9	282	<282	U	49.1	282	<282	U	46.4	282	<282	U	34.6	282	<282	U	77.2	282	<282	U	60.3	282	<282	U	42.8	282
RPR4-COMP Rep. 5	<292	U	33.3	292	<292	U	63.0	292	<292	U	50.8	292	<292	U	48.1	292	<292	U	35.8	292	<292	U	80.0	292	<292	U	62.5	292	<292	U	44.4	292
RPR5-COMP Rep. 1	<288	U	32.9	288	<288	U	62.2	288	<288	U	50.1	288	<288	U	47.4	288	<288	U	35.3	288	<288	U	78.9	288	<288	U	61.6	288	<288	U	43.8	288
RPR5-COMP Rep. 2	<301	U	34.3	301	<301	U	65.1	301	<301	U	52.3	301	<301	U	49.5	301	<301	U	36.9	301	<301	U	82.5	301	<301	U	63.9	301	<301	U	45.7	301
RPR5-COMP Rep. 3	<289	U	33.0	289	<289	U	62.6	289	<289	U	50.3	289	<289	U	47.6	289	<289	U	35.5	289	<289	U	79.4	289	<289	U	61.4	289	<289	U	43.9	289
RPR5-COMP Rep. 4	<288	U	32.9	288	<288	U	62.4	288	<288	U	50.2	288	<288	U	47.5	288	<288	U	35.4	288	<288	U	79.1	288	<288	U	61.2	288	<288	U	43.8	288
RPR5-COMP Rep. 5	<282	U	32.2	282	<282	U	61.0	282	<282	U	49.1	282	<282	U	46.4	282	<282	U	34.6	282	<282	U	77.4	282	<282	U	59.9	282	<282	U	42.8	282
SJH20-REF Rep. 1	<291	U	33.3	291	<291	U	62.9	291	<291	U	50.8	291	<291	U	48.0	291	<291	U	35.8	291	<291	U	79.8	291	<291	U	62.4	291	<291	U	44.3	291
SJH20-REF Rep. 2	<273	U	31.2	273	<273	U	59.0	273	<273	U	47.5	273	<273	U	45.0	273	<273	U	33.5	273	<273	U	74.8	273	<273	U	58.4	273	<273	U	41.5	273
SJH20-REF Rep. 3	<289	U	33.0	289	<289	U	62.5	289	<289	U	50.4	289	<289	U	47.7	289	<289	U	35.5	289	<289	U	79.2	289	<289	U	61.9	289	<289	U	44.0	289
SJH20-REF Rep. 4	<277	U	31.7	277	<277	U	59.9	277	<277	U	48.3	277	<277	U	45.7	277	<277	U	34.1	277	<277	U	76.0	277	<277	U	59.4	277	<277	U	42.2	277
SJH20-REF Rep. 5	<287	U	32.8	287	<287	U	62.0	287	<287	U	50.0	287	<287	U	47.3	287	<287	U	35.2	287	<287	U	78.6	287	<287	U	61.4	287	<287	U	43.6	287
Pre-exposure Rep. 1	<275	U	31.4	275	<275	U	59.3	275	<275	U	47.9	275	<275	U	45.3	275	<275	U	33.7	275	<275	U	75.3	275	<275	U	58.8	275	<275	U	41.8	275
Pre-exposure Rep. 2	<278	U	31.7	278	<278	U	60.0	278	<278	U	48.4	278	<278	U	45.8	278	<278	U	34.1	278	<278	U	76.2	278	<278	U	59.5	278	<278	U	42.2	278
Pre-exposure Rep. 3	<271	U	31.0	271	<271	U	58.6	271	<271	U	47.2	271	<271	U	44.7	271	<271	U	33.3	271	<271	U	74.3	271	<271	U	58.0	271	<271	U	41.2	271

TABLE 26
Analytical Results for Dry Weight PAHs in *Macoma nasuta* Tissues

Analyte:	Chrysene[HMW]				Dibenzo(a,h)anthracene[HMW]				Fluoranthene[HMW]				Fluorene[LMW]				Indeno(1,2,3-cd)pyrene[HMW]				Naphthalene[LMW]				Phenanthrene[LMW]				Pyrene[HMW]			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	<271	U	41.2	271	<271	U	48.3	271	264	J	25.5	271	<271	U	34.2	271	<271	U	56.9	271	<271	U	69.3	271	72	J	38.9	271	208	J	33.9	271
RPR1-COMP Rep. 2	<296	U	44.9	296	<296	U	52.7	296	176	J	27.8	296	<296	U	37.3	296	<296	U	62.1	296	<296	U	75.7	296	53	J	42.5	296	127	J	37.0	296
RPR1-COMP Rep. 3	<292	U	44.4	292	<292	U	52.0	292	157	J	27.5	292	<292	U	36.9	292	<292	U	61.3	292	<292	U	74.8	292	<292	U	41.9	292	123	J	36.6	292
RPR1-COMP Rep. 4	<279	U	42.5	279	<279	U	49.8	279	112	J	26.3	279	<279	U	35.3	279	<279	U	58.7	279	<279	U	71.5	279	<279	U	40.1	279	84.4	J	35.0	279
RPR1-COMP Rep. 5	<276	U	42.0	276	<276	U	49.2	276	123	J	26.0	276	<276	U	34.8	276	<276	U	58.0	276	<276	U	70.7	276	<276	U	39.6	276	117	J	34.6	276
RPR2-COMP Rep. 1	<295	U	44.8	295	<295	U	52.6	295	28.1	J	27.7	295	<295	U	37.2	295	<295	U	61.9	295	<295	U	75.5	295	<295	U	42.4	295	46.7	J	36.9	295
RPR2-COMP Rep. 2	<281	U	42.8	281	<281	U	50.1	281	31.7	J	26.4	281	<281	U	35.5	281	<281	U	59.1	281	<281	U	72.0	281	<281	U	40.4	281	49.2	J	35.2	281
RPR2-COMP Rep. 3	<270	U	41.0	270	<270	U	48.1	270	27.1	J	25.4	270	<270	U	34.1	270	<270	U	56.7	270	<270	U	69.1	270	<270	U	38.7	270	50.5	J	33.8	270
RPR2-COMP Rep. 4	<277	U	42.2	277	<277	U	49.4	277	53.1	J	26.1	277	<277	U	35.0	277	<277	U	58.3	277	<277	U	71.0	277	<277	U	39.8	277	74.4	J	34.7	277
RPR2-COMP Rep. 5	<272	U	41.3	272	<272	U	48.4	272	<272	U	25.5	272	<272	U	34.3	272	<272	U	57.0	272	<272	U	69.5	272	<272	U	39.0	272	38.3	J	34.0	272
RPR3-COMP Rep. 1	<298	U	45.3	298	<298	U	53.1	298	<298	U	28.0	298	<298	U	37.6	298	<298	U	62.6	298	<298	U	76.3	298	<298	U	42.8	298	<298	U	37.3	298
RPR3-COMP Rep. 2	<281	U	42.7	281	<281	U	50.1	281	<281	U	26.4	281	<281	U	35.4	281	<281	U	59.0	281	<281	U	71.9	281	<281	U	40.3	281	<281	U	35.2	281
RPR3-COMP Rep. 3	<289	U	44.0	289	<289	U	51.6	289	<289	U	27.2	289	<289	U	36.5	289	<289	U	60.8	289	<289	U	74.1	289	<289	U	41.6	289	<289	U	36.2	289
RPR3-COMP Rep. 4	<283	U	43.0	283	<283	U	50.4	283	<283	U	26.6	283	<283	U	35.7	283	<283	U	59.4	283	<283	U	72.4	283	<283	U	40.6	283	<283	U	35.4	283
RPR3-COMP Rep. 5	<298	U	45.2	298	<298	U	53.0	298	<298	U	28.0	298	<298	U	37.6	298	<298	U	62.5	298	<298	U	76.2	298	<298	U	42.7	298	<298	U	37.3	298
RBC1-COMP Rep. 1	<270	U	41.0	270	<270	U	48.1	270	26.2	J	25.4	270	<270	U	34.0	270	<270	U	56.8	270	<270	U	68.6	270	<270	U	38.7	270	<270	U	33.7	270
RBC1-COMP Rep. 2	<296	U	45.0	296	<296	U	52.7	296	<296	U	27.8	296	<296	U	37.3	296	<296	U	62.3	296	<296	U	75.3	296	<296	U	42.5	296	<296	U	37.0	296
RBC1-COMP Rep. 3	<289	U	43.9	289	<289	U	51.4	289	<289	U	27.1	289	<289	U	36.4	289	<289	U	60.8	289	<289	U	73.5	289	<289	U	41.4	289	<289	U	36.1	289
RBC1-COMP Rep. 4	<297	U	45.1	297	<297	U	52.9	297	51.5	J	27.9	297	<297	U	37.5	297	<297	U	62.4	297	<297	U	76.0	297	<297	U	42.6	297	40.6	J	37.2	297
RBC1-COMP Rep. 5	<266	U	40.4	266	<266	U	47.4	266	39.8	J	25.0	266	<266	U	33.6	266	<266	U	55.9	266	<266	U	68.1	266	<266	U	38.2	266	<266	U	33.3	266
RPR4-COMP Rep. 1	<290	U	44.1	290	<290	U	51.7	290	35.1	J	27.2	290	<290	U	36.6	290	<290	U	60.9	290	<290	U	74.2	290	<290	U	41.6	290	52.1	J	36.3	290
RPR4-COMP Rep. 2	<295	U	44.9	295	<295	U	52.6	295	35.8	J	27.7	295	<295	U	37.2	295	<295	U	62.0	295	<295	U	75.6	295	<295	U	42.4	295	<295	U	37.0	295
RPR4-COMP Rep. 3	<273	U	41.5	273	<273	U	48.7	273	42.7	J	25.7	273	<273	U	34.5	273	<273	U	57.3	273	<273	U	69.9	273	<273	U	39.2	273	45.2	J	34.2	273
RPR4-COMP Rep. 4	<282	U	42.8	282	<282	U	50.2	282	<282	U	26.5	282	<282	U	35.6	282	<282	U	59.2	282	<282	U	72.2	282	<282	U	40.5	282	<282	U	35.3	282
RPR4-COMP Rep. 5	<292	U	44.4	292	<292	U	52.0	292	35.1	J	27.4	292	<292	U	36.8	292	<292	U	61.3	292	<292	U	74.7	292	<292	U	41.9	292	52.4	J	36.5	292
RPR5-COMP Rep. 1	<288	U	43.8	288	<288	U	51.3	288	<288	U	27.1	288	<288	U	36.3	288	<288	U	60.4	288	<288	U	73.7	288	<288	U	41.3	288	<288	U	36.0	288
RPR5-COMP Rep. 2	<301	U	45.7	301	<301	U	53.6	301	<301	U	28.3	301	<301	U	37.9	301	<301	U	63.3	301	<301	U	76.5	301	<301	U	43.1	301	<301	U	37.6	301
RPR5-COMP Rep. 3	<289	U	43.9	289	<289	U	51.5	289	<289	U	27.2	289	<289	U	36.4	289	<289	U	60.8	289	<289	U	73.6	289	<289	U	41.5	289	<289	U	36.2	289
RPR5-COMP Rep. 4	<288	U	43.8	288	<288	U	51.4	288	<288	U	27.1	288	<288	U	36.3	288	<288	U	60.7	288	<288	U	73.4	288	<288	U	41.4	288	<288	U	36.0	288
RPR5-COMP Rep. 5	<282	U	42.8	282	<282	U	50.2	282	<282	U	26.5	282	<282	U	35.5	282	<282	U	59.3	282	<282	U	71.8	282	<282	U	40.5	282	<282	U	35.3	282
SJH20-REF Rep. 1	<291	U	61.2	291	<291	U	51.9	291	<291	U	27.4	291	<291	U	36.8	291	<291	U	61.2	291	<291	U	74.6	291	<291	U	41.8	291	<291	U	36.5	291
SJH20-REF Rep. 2	<273	U	57.3	273	<273	U	48.6	273	<273	U	25.7	273	<273	U	34.4	273	<273	U	57.3	273	<273	U	69.9	273	<273	U	39.2	273	<273	U	34.2	273
SJH20-REF Rep. 3	<289	U	60.7	289	<289	U	51.5	289	<289	U	27.2	289	<289	U	36.5	289	<289	U	60.7	289	<289	U	74.0	289	<289	U	41.5	289	<289	U	36.2	289
SJH20-REF Rep. 4	<277	U	58.3	277	<277	U	49.4	277	<277	U	26.1	277	<277	U	35.0	277	<277	U	58.3	277	<277	U	71.0	277	<277	U	39.8	277	<277	U	34.7	277
SJH20-REF Rep. 5	<287	U	60.3	287	<287	U	51.1	287	<287	U	27.0	287	<287	U	36.2	287	<287	U	60.3	287	<287	U	73.5	287	<287	U	41.2	287	<287	U	35.9	287
Pre-exposure Rep. 1	<275	U	57.7	275	<275	U	49.0	275	<275	U	25.8	275	<275	U	34.7	275	<275	U	57.7	275	<275	U	70.3	275	<275	U	39.5	275	<275	U	34.4	275
Pre-exposure Rep. 2	<278	U	58.4	278	<278	U	49.5	278	<278	U	26.1	278	<278	U	35.1	278	<278	U	58.4	278	<278	U	71.2	278	<278	U	39.9	278	<278	U	34.8	278
Pre-exposure Rep. 3	<271	U	56.9	271	<271	U	48.3	271	<271	U	25.5	271	<271	U	34.2	271	<271	U	56.9	271	<271	U	69.4	271	<271	U	38.9	271	<271	U	33.9	271

Acronyms and qualifiers are defined at the front of the tables section.
[LMW] Low Molecular Weight PAHs are referenced in Appendix B of the EPA Region 2 Guidance Manual.
[HMW] High Molecular Weight PAHs are referenced in Appendix B of the EPA Region 2 Guidance Manual.
< #.## = The analyte was not detected (U-qualified) at or above the MDL. The value indicates the MRL.

Sources: Analytical Resources, Inc., EPA Region 2 Guidance Manual, 2016
Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 27
Analytical Results for Dry Weight PAHs in *Alitta virens* Tissues

Analyte:	Acenaphthene[LMW]				Acenaphthylene[LMW]				Anthracene[LMW]				Benzo(a)anthracene[HMW]				Benzo(a)pyrene[HMW]				Benzo(b)fluoranthene[HMW]				Benzo(g,h,i)perylene[HMW]				Benzo(k)fluoranthene[HMW]			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	<337	U	38.5	337	<337	U	72.9	337	<337	U	58.8	337	<337	U	55.6	337	<337	U	41.4	337	<337	U	92.4	337	<337	U	72.2	337	<337	U	51.3	337
RPR1-COMP Rep. 2	<328	U	37.4	328	<328	U	70.8	328	<328	U	57.1	328	<328	U	54.0	328	<328	U	40.3	328	<328	U	89.8	328	<328	U	70.2	328	<328	U	49.8	328
RPR1-COMP Rep. 3	<338	U	38.6	338	<338	U	73.0	338	<338	U	58.9	338	<338	U	55.7	338	<338	U	41.5	338	<338	U	92.6	338	<338	U	72.3	338	<338	U	51.4	338
RPR1-COMP Rep. 4	<338	U	38.6	338	<338	U	72.9	338	<338	U	58.8	338	<338	U	55.6	338	<338	U	41.5	338	<338	U	92.5	338	<338	U	72.2	338	<338	U	51.3	338
RPR1-COMP Rep. 5	<336	U	38.3	336	<336	U	72.5	336	<336	U	58.5	336	<336	U	55.3	336	<336	U	41.2	336	<336	U	91.9	336	<336	U	71.8	336	<336	U	51.0	336
RPR2-COMP Rep. 1	<326	U	37.2	326	<326	U	70.4	326	<326	U	56.7	326	<326	U	53.7	326	<326	U	40.0	326	<326	U	89.3	326	<326	U	69.7	326	<326	U	49.5	326
RPR2-COMP Rep. 2	<333	U	38.1	333	<333	U	72.0	333	<333	U	58.1	333	<333	U	54.9	333	<333	U	40.9	333	<333	U	91.3	333	<333	U	71.3	333	<333	U	50.7	333
RPR2-COMP Rep. 3	<330	U	37.6	330	<330	U	71.2	330	<330	U	57.4	330	<330	U	54.3	330	<330	U	40.5	330	<330	U	90.3	330	<330	U	70.5	330	<330	U	50.1	330
RPR2-COMP Rep. 4	<328	U	37.5	328	<328	U	70.9	328	<328	U	57.2	328	<328	U	54.1	328	<328	U	40.3	328	<328	U	90.0	328	<328	U	70.3	328	<328	U	49.9	328
RPR2-COMP Rep. 5	<317	U	36.2	317	<317	U	68.5	317	<317	U	55.3	317	<317	U	52.3	317	<317	U	39.0	317	<317	U	86.9	317	<317	U	67.9	317	<317	U	48.2	317
RPR3-COMP Rep. 1	<332	U	37.9	332	<332	U	71.8	332	<332	U	57.9	332	<332	U	54.8	332	<332	U	40.8	332	<332	U	91.0	332	<332	U	71.1	332	<332	U	50.5	332
RPR3-COMP Rep. 2	<337	U	38.5	337	<337	U	72.8	337	<337	U	58.7	337	<337	U	55.6	337	<337	U	41.4	337	<337	U	92.4	337	<337	U	72.2	337	<337	U	51.2	337
RPR3-COMP Rep. 3	<335	U	38.2	335	<335	U	72.3	335	<335	U	58.3	335	<335	U	55.2	335	<335	U	41.1	335	<335	U	91.7	335	<335	U	71.6	335	<335	U	50.9	335
RPR3-COMP Rep. 4	<336	U	38.4	336	<336	U	72.6	336	<336	U	58.5	336	<336	U	55.4	336	<336	U	41.3	336	<336	U	92.1	336	<336	U	71.9	336	<336	U	51.1	336
RPR3-COMP Rep. 5	<334	U	38.1	334	<334	U	72.0	334	<334	U	58.1	334	<334	U	55.0	334	<334	U	41.0	334	<334	U	91.4	334	<334	U	71.4	334	<334	U	50.7	334
RBC1-COMP Rep. 1	<334	U	38.2	334	<334	U	72.2	334	<334	U	58.2	334	<334	U	55.1	334	<334	U	41.0	334	<334	U	91.6	334	<334	U	71.5	334	<334	U	50.8	334
RBC1-COMP Rep. 2	<328	U	37.4	328	<328	U	70.8	328	<328	U	57.1	328	<328	U	54.0	328	<328	U	40.2	328	<328	U	89.8	328	<328	U	70.1	328	<328	U	49.8	328
RBC1-COMP Rep. 3	<327	U	37.3	327	<327	U	70.6	327	<327	U	56.9	327	<327	U	53.9	327	<327	U	40.1	327	<327	U	89.5	327	<327	U	69.9	327	<327	U	49.7	327
RBC1-COMP Rep. 4	<341	U	38.9	341	<341	U	73.7	341	<341	U	59.4	341	<341	U	56.2	341	<341	U	41.9	341	<341	U	93.5	341	<341	U	73.0	341	<341	U	51.8	341
RBC1-COMP Rep. 5	<330	U	37.7	330	<330	U	71.2	330	<330	U	57.5	330	<330	U	54.4	330	<330	U	40.5	330	<330	U	90.4	330	<330	U	70.6	330	<330	U	50.1	330
RPR4-COMP Rep. 1	<338	U	38.6	338	<338	U	72.9	338	<338	U	58.8	338	<338	U	55.6	338	<338	U	41.5	338	<338	U	92.5	338	<338	U	72.2	338	<338	U	51.3	338
RPR4-COMP Rep. 2	<324	U	37.0	324	<324	U	69.9	324	<324	U	56.4	324	<324	U	53.3	324	<324	U	39.7	324	<324	U	88.7	324	<324	U	69.3	324	<324	U	49.2	324
RPR4-COMP Rep. 3	<339	U	38.7	339	<339	U	73.3	339	<339	U	59.1	339	<339	U	55.9	339	<339	U	41.7	339	<339	U	92.9	339	<339	U	72.6	339	<339	U	51.6	339
RPR4-COMP Rep. 4	<328	U	37.5	328	<328	U	70.9	328	<328	U	57.2	328	<328	U	54.1	328	<328	U	40.3	328	<328	U	90.0	328	<328	U	70.3	328	<328	U	49.9	328
RPR4-COMP Rep. 5	<335	U	38.2	335	<335	U	72.3	335	<335	U	58.3	335	<335	U	55.2	335	<335	U	41.1	335	<335	U	91.8	335	<335	U	71.7	335	<335	U	50.9	335
RPR5-COMP Rep. 1	<340	U	38.8	340	<340	U	73.4	340	<340	U	59.2	340	<340	U	56.0	340	<340	U	41.7	340	<340	U	93.1	340	<340	U	72.7	340	<340	U	51.7	340
RPR5-COMP Rep. 2	<329	U	37.6	329	<329	U	71.1	329	<329	U	57.3	329	<329	U	54.2	329	<329	U	40.4	329	<329	U	90.1	329	<329	U	70.4	329	<329	U	50.0	329
RPR5-COMP Rep. 3	<344	U	39.2	344	<344	U	74.2	344	<344	U	59.9	344	<344	U	56.6	344	<344	U	42.2	344	<344	U	94.2	344	<344	U	73.5	344	<344	U	52.2	344
RPR5-COMP Rep. 4	<342	U	39.0	342	<342	U	73.8	342	<342	U	59.5	342	<342	U	56.3	342	<342	U	41.9	342	<342	U	93.6	342	<342	U	73.1	342	<342	U	51.9	342
RPR5-COMP Rep. 5	<341	U	39.0	341	<341	U	73.7	341	<341	U	59.5	341	<341	U	56.2	341	<341	U	41.9	341	<341	U	93.5	341	<341	U	73.0	341	<341	U	51.9	341
SJH20-REF Rep. 1	<356	U	40.6	356	<356	U	76.8	356	<356	U	61.9	356	<356	U	58.6	356	<356	U	43.7	356	<356	U	97.4	356	<356	U	76.1	356	<356	U	54.1	356
SJH20-REF Rep. 2	<338	U	38.6	338	<338	U	73.0	338	<338	U	58.9	338	<338	U	55.7	338	<338	U	41.5	338	<338	U	92.6	338	<338	U	72.3	338	<338	U	51.4	338
SJH20-REF Rep. 3	<338	U	38.6	338	<338	U	73.0	338	<338	U	58.9	338	<338	U	55.7	338	<338	U	41.5	338	<338	U	92.6	338	<338	U	72.3	338	<338	U	51.4	338
SJH20-REF Rep. 4	<340	U	38.8	340	<340	U	73.4	340	<340	U	59.2	340	<340	U	56.0	340	<340	U	41.7	340	<340	U	93.1	340	<340	U	72.7	340	<340	U	51.6	340
SJH20-REF Rep. 5	<325	U	37.1	325	<325	U	70.2	325	<325	U	56.6	325	<325	U	53.5	325	<325	U	39.9	325	<325	U	89.0	325	<325	U	69.5	325	<325	U	49.4	325
Pre-exposure Rep. 1	<319	U	36.4	319	<319	U	68.9	319	<319	U	55.5	319	<319	U	52.6	319	<319	U	39.2	319	<319	U	87.4	319	<319	U	68.2	319	<319	U	48.5	319
Pre-exposure Rep. 2	<323	U	36.9	323	<323	U	69.7	323	<323	U	56.2	323	<323	U	53.2	323	<323	U	39.6	323	<323	U	88.4	323	<323	U	69.1	323	<323	U	49.1	323
Pre-exposure Rep. 3	<336	U	38.4	336	<336	U	72.6	336	<336	U	58.6	336	<336	U	55.4	336	<336	U	41.3	336	<336	U	92.1	336	<336	U	72.0	336	<336	U	51.1	336

TABLE 27
Analytical Results for Dry Weight PAHs in *Alitta virens* Tissues

Analyte:	Chrysene[HMW]				Dibenzo(a,h)anthracene[HMW]				Fluoranthene[HMW]				Fluorene[LMW]				Indeno(1,2,3-cd)pyrene[HMW]				Naphthalene[LMW]				Phenanthrene[LMW]				Pyrene[HMW]			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	<337	U	70.9	337	<337	U	60.1	337	40.1	J	31.7	337	<337	U	42.6	337	<337	U	70.9	337	<337	U	86.4	337	<337	U	48.4	337	<337	U	42.2	337
RPR1-COMP Rep. 2	<328	U	68.9	328	<328	U	58.4	328	<328	U	30.8	328	<328	U	41.4	328	<328	U	68.9	328	<328	U	83.9	328	<328	U	47.1	328	<328	U	41.0	328
RPR1-COMP Rep. 3	<338	U	71.0	338	<338	U	60.2	338	<338	U	31.8	338	<338	U	42.7	338	<338	U	71.0	338	<338	U	86.5	338	<338	U	48.5	338	<338	U	42.3	338
RPR1-COMP Rep. 4	<338	U	70.9	338	<338	U	60.2	338	33.5	J	31.7	338	<338	U	42.6	338	<338	U	70.9	338	<338	U	86.4	338	<338	U	48.5	338	<338	U	42.3	338
RPR1-COMP Rep. 5	<336	U	70.5	336	<336	U	59.8	336	<336	U	31.5	336	<336	U	42.3	336	<336	U	70.5	336	<336	U	85.9	336	<336	U	48.2	336	<336	U	42.0	336
RPR2-COMP Rep. 1	<326	U	68.4	326	<326	U	58.0	326	<326	U	30.6	326	<326	U	41.1	326	<326	U	68.4	326	<326	U	83.4	326	<326	U	46.8	326	<326	U	40.8	326
RPR2-COMP Rep. 2	<333	U	70.0	333	<333	U	59.4	333	<333	U	31.3	333	<333	U	42.1	333	<333	U	70.0	333	<333	U	85.3	333	<333	U	47.9	333	<333	U	41.7	333
RPR2-COMP Rep. 3	<330	U	69.2	330	<330	U	58.7	330	<330	U	31.0	330	<330	U	41.6	330	<330	U	69.2	330	<330	U	84.4	330	<330	U	47.3	330	<330	U	41.3	330
RPR2-COMP Rep. 4	<328	U	68.9	328	<328	U	58.5	328	<328	U	30.9	328	<328	U	41.4	328	<328	U	68.9	328	<328	U	84.0	328	<328	U	47.1	328	<328	U	41.1	328
RPR2-COMP Rep. 5	<317	U	66.6	317	<317	U	56.5	317	<317	U	29.8	317	<317	U	40.0	317	<317	U	66.6	317	<317	U	81.2	317	<317	U	45.6	317	<317	U	39.7	317
RPR3-COMP Rep. 1	<332	U	69.8	332	<332	U	59.2	332	<332	U	31.2	332	<332	U	41.9	332	<332	U	69.8	332	<332	U	85.0	332	<332	U	47.7	332	<332	U	41.6	332
RPR3-COMP Rep. 2	<337	U	70.8	337	<337	U	60.1	337	<337	U	31.7	337	<337	U	42.5	337	<337	U	70.8	337	<337	U	86.3	337	<337	U	48.4	337	<337	U	42.2	337
RPR3-COMP Rep. 3	<335	U	70.3	335	<335	U	59.6	335	<335	U	31.5	335	<335	U	42.2	335	<335	U	70.3	335	<335	U	85.7	335	<335	U	48.1	335	<335	U	41.9	335
RPR3-COMP Rep. 4	<336	U	70.6	336	<336	U	59.9	336	<336	U	31.6	336	<336	U	42.4	336	<336	U	70.6	336	<336	U	86.0	336	<336	U	48.3	336	<336	U	42.1	336
RPR3-COMP Rep. 5	<334	U	70.0	334	<334	U	59.4	334	<334	U	31.4	334	<334	U	42.1	334	<334	U	70.0	334	<334	U	85.4	334	<334	U	47.9	334	<334	U	41.8	334
RBC1-COMP Rep. 1	<334	U	70.2	334	<334	U	59.6	334	<334	U	31.4	334	<334	U	42.2	334	<334	U	70.2	334	<334	U	85.6	334	<334	U	48.0	334	<334	U	41.8	334
RBC1-COMP Rep. 2	<328	U	68.8	328	<328	U	58.4	328	<328	U	30.8	328	<328	U	41.3	328	<328	U	68.8	328	<328	U	83.9	328	<328	U	47.1	328	<328	U	41.0	328
RBC1-COMP Rep. 3	<327	U	68.6	327	<327	U	58.2	327	<327	U	30.7	327	<327	U	41.2	327	<327	U	68.6	327	<327	U	83.7	327	<327	U	46.9	327	<327	U	40.9	327
RBC1-COMP Rep. 4	<341	U	71.6	341	<341	U	60.8	341	<341	U	32.1	341	<341	U	43.0	341	<341	U	71.6	341	<341	U	87.3	341	<341	U	49.0	341	<341	U	42.7	341
RBC1-COMP Rep. 5	<330	U	69.3	330	<330	U	58.8	330	<330	U	31.0	330	<330	U	41.6	330	<330	U	69.3	330	<330	U	84.4	330	<330	U	47.4	330	<330	U	41.3	330
RPR4-COMP Rep. 1	<338	U	70.9	338	<338	U	60.2	338	<338	U	31.7	338	<338	U	42.6	338	<338	U	70.9	338	<338	U	86.4	338	<338	U	48.5	338	<338	U	42.3	338
RPR4-COMP Rep. 2	<324	U	68.0	324	<324	U	57.7	324	<324	U	30.4	324	<324	U	40.8	324	<324	U	68.0	324	<324	U	82.8	324	<324	U	46.5	324	<324	U	40.5	324
RPR4-COMP Rep. 3	<339	U	71.2	339	<339	U	60.4	339	<339	U	31.9	339	<339	U	42.8	339	<339	U	71.2	339	<339	U	86.8	339	<339	U	48.7	339	<339	U	42.5	339
RPR4-COMP Rep. 4	<328	U	68.9	328	<328	U	58.5	328	<328	U	30.9	328	<328	U	41.4	328	<328	U	68.9	328	<328	U	84.0	328	<328	U	47.1	328	<328	U	41.1	328
RPR4-COMP Rep. 5	<335	U	70.3	335	<335	U	59.7	335	<335	U	31.5	335	<335	U	42.3	335	<335	U	70.3	335	<335	U	85.7	335	<335	U	48.1	335	<335	U	41.9	335
RPR5-COMP Rep. 1	<340	U	71.4	340	<340	U	60.6	340	<340	U	32.0	340	<340	U	42.9	340	<340	U	71.4	340	<340	U	87.0	340	<340	U	48.8	340	<340	U	42.6	340
RPR5-COMP Rep. 2	<329	U	69.1	329	<329	U	58.6	329	<329	U	30.9	329	<329	U	41.5	329	<329	U	69.1	329	<329	U	84.2	329	<329	U	47.2	329	<329	U	41.2	329
RPR5-COMP Rep. 3	<344	U	72.2	344	<344	U	61.2	344	<344	U	32.3	344	<344	U	43.4	344	<344	U	72.2	344	<344	U	88.0	344	<344	U	49.3	344	<344	U	43.0	344
RPR5-COMP Rep. 4	<342	U	71.7	342	<342	U	60.9	342	<342	U	32.1	342	<342	U	43.1	342	<342	U	71.7	342	<342	U	87.4	342	<342	U	49.0	342	<342	U	42.8	342
RPR5-COMP Rep. 5	<341	U	71.7	341	<341	U	60.8	341	<341	U	32.1	341	<341	U	43.1	341	<341	U	71.7	341	<341	U	87.4	341	<341	U	49.0	341	<341	U	42.7	341
SJH20-REF Rep. 1	<356	U	74.7	356	<356	U	63.4	356	<356	U	33.4	356	<356	U	44.9	356	<356	U	74.7	356	<356	U	91.0	356	<356	U	51.1	356	<356	U	44.5	356
SJH20-REF Rep. 2	<338	U	71.0	338	<338	U	60.2	338	<338	U	31.8	338	<338	U	42.7	338	<338	U	71.0	338	<338	U	86.5	338	<338	U	48.5	338	<338	U	42.3	338
SJH20-REF Rep. 3	<338	U	71.0	338	<338	U	60.2	338	<338	U	31.8	338	<338	U	42.7	338	<338	U	71.0	338	<338	U	86.5	338	<338	U	48.5	338	<338	U	42.3	338
SJH20-REF Rep. 4	<340	U	71.3	340	<340	U	60.5	340	<340	U	31.9	340	<340	U	42.9	340	<340	U	71.3	340	<340	U	87.0	340	<340	U	48.8	340	<340	U	42.5	340
SJH20-REF Rep. 5	<325	U	68.2	325	<325	U	57.9	325	<325	U	30.5	325	<325	U	41.0	325	<325	U	68.2	325	<325	U	83.2	325	<325	U	46.7	325	<325	U	40.7	325
Pre-exposure Rep. 1	<319	U	67.0	319	<319	U	56.8	319	<319	U	30.0	319	<319	U	40.2	319	<319	U	67.0	319	<319	U	81.6	319	<319	U	45.8	319	<319	U	39.9	319
Pre-exposure Rep. 2	<323	U	67.8	323	<323	U	57.5	323	<323	U	30.3	323	<323	U	40.7	323	<323	U	67.8	323	<323	U	82.6	323	<323	U	46.4	323	<323	U	40.4	323
Pre-exposure Rep. 3	<336	U	70.6	336	<336	U	59.9	336	<336	U	31.6	336	<336	U	42.4	336	<336	U	70.6	336	<336	U	86.1	336	<336	U	48.3	336	<336	U	42.1	336

Acronyms and qualifiers are defined at the front of the tables section.
[LMW] Low Molecular Weight PAHs are referenced in Appendix B of the EPA Region 2 Guidance Manual.
[HMW] High Molecular Weight PAHs are referenced in Appendix B of the EPA Region 2 Guidance Manual.
< #.## = The analyte was not detected (U-qualified) at or above the MDL. The value indicates the MRL.

Sources: Analytical Resources, Inc., EPA Region 2 Guidance Manual, 2016
Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 28
Analytical Results for Wet Weight PCBs in *Macoma nasuta* Tissues

Analyte:	Total EPA Region 2 PCBs	PCB 5/8				PCB 18				PCB 28				PCB 44				PCB 49				PCB 52				PCB 66			
Sample-Replicate #	Result µg/kg	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	11.3	<0.80	U	0.40	0.80	0.70	--	0.40	0.40	0.76	--	0.40	0.40	<0.40	U	0.40	0.40	0.42	--	0.40	0.40	0.51	--	0.40	0.40	<0.40	U	0.40	0.40
RPR1-COMP Rep. 2	12.1	<0.80	U	0.40	0.80	0.64	--	0.40	0.40	0.97	--	0.40	0.40	<0.40	U	0.40	0.40	0.49	--	0.40	0.40	0.59	--	0.40	0.40	<0.40	U	0.40	0.40
RPR1-COMP Rep. 3	12.1	<0.80	U	0.40	0.80	0.93	J	0.40	0.40	0.93	--	0.40	0.40	<0.40	U	0.40	0.40	0.50	--	0.40	0.40	0.65	--	0.40	0.40	<0.40	U	0.40	0.40
RPR1-COMP Rep. 4	12.9	<0.80	U	0.40	0.80	0.62	--	0.40	0.40	1.18	--	0.40	0.40	<0.40	U	0.40	0.40	0.52	--	0.40	0.40	0.74	--	0.40	0.40	<0.40	U	0.40	0.40
RPR1-COMP Rep. 5	12.8	<0.80	U	0.40	0.80	0.52	--	0.40	0.40	1.33	--	0.40	0.40	<0.40	U	0.40	0.40	0.57	--	0.40	0.40	0.71	--	0.40	0.40	<0.40	U	0.40	0.40
RPR1-COMP Mean	**12.2**	0.40				**0.68**				**1.03**				0.40				**0.50**				**0.64**				0.40			
% of Reference	139	100				171				259				100				125				160				100			
RPR2-COMP Rep. 1	12.1	<0.80	U	0.40	0.80	0.43	--	0.40	0.40	0.59	--	0.40	0.40	<0.40	U	0.40	0.40	0.48	--	0.40	0.40	0.62	--	0.40	0.40	<0.40	U	0.40	0.40
RPR2-COMP Rep. 2	10.6	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	0.45	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.48	--	0.40	0.40	<0.40	U	0.40	0.40
RPR2-COMP Rep. 3	14.1	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	0.74	--	0.40	0.40	<0.40	U	0.40	0.40	0.56	--	0.40	0.40	0.75	--	0.40	0.40	<0.40	U	0.40	0.40
RPR2-COMP Rep. 4	14.1	<0.80	U	0.40	0.80	0.58	--	0.40	0.40	0.87	--	0.40	0.40	<0.40	U	0.40	0.40	0.62	--	0.40	0.40	0.78	--	0.40	0.40	<0.40	U	0.40	0.40
RPR2-COMP Rep. 5	12.0	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	0.64	--	0.40	0.40	<0.40	U	0.40	0.40	0.49	--	0.40	0.40	0.62	--	0.40	0.40	<0.40	U	0.40	0.40
RPR2-COMP Mean	**12.6**	0.40				0.44				**0.66**				0.40				**0.51**				**0.65**				0.40			
% of Reference	143	100				111				165				100				128				163				100			
RPR3-COMP Rep. 1	8.80	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Rep. 2	8.80	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Rep. 3	8.80	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Rep. 4	8.80	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Rep. 5	8.80	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Mean	8.80	0.40				0.40				0.40				0.40				0.40				0.40				0.40			
% of Reference	100	100				100				100				100				100				100				100			
RBC1-COMP Rep. 1	9.76	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RBC1-COMP Rep. 2	9.24	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RBC1-COMP Rep. 3	9.03	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RBC1-COMP Rep. 4	9.49	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.44	--	0.40	0.40	<0.40	U	0.40	0.40
RBC1-COMP Rep. 5	9.75	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.43	--	0.40	0.40	<0.40	U	0.40	0.40
RBC1-COMP Mean	**9.45**	0.40				0.40				0.40				0.40				0.40				0.41				0.40			
% of Reference	107	100				100				100				100				100				104				100			
RPR4-COMP Rep. 1	9.14	<0.80	U	0.40	0.80	0.44	--	0.40	0.40	0.70	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Rep. 2	9.10	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	0.68	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.42	--	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Rep. 3	9.28	<0.80	U	0.40	0.80	0.53	--	0.40	0.40	0.68	--	0.40	0.40	<0.40	U	0.40	0.40	0.41	--	0.40	0.40	0.46	--	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Rep. 4	8.90	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	0.50	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Rep. 5	9.15	<0.80	U	0.40	0.80	0.42	--	0.40	0.40	0.71	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.42	--	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Mean	**9.11**	0.40				0.44				**0.65**				0.40				0.40				0.42				0.40			
% of Reference	104	100				110				164				100				101				105				100			
RPR5-COMP Rep. 1	8.87	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	0.43	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.40	--	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Rep. 2	8.88	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	0.45	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.40	--	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Rep. 3	8.80	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Rep. 4	8.80	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Rep. 5	8.80	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Mean	8.83	0.40				0.40				0.42				0.40				0.40				0.40				0.40			
% of Reference	100	100				100				104				100				100				100				100			
SJH20-REF Rep. 1	8.80	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
SJH20-REF Rep. 2	8.80	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
SJH20-REF Rep. 3	8.80	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
SJH20-REF Rep. 4	8.80	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
SJH20-REF Rep. 5	8.80	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
SJH20-REF Mean	8.80	0.40				0.40				0.40				0.40				0.40				0.40				0.40			
Pre-exposure Rep. 1	8.80	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
Pre-exposure Rep. 2	8.80	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
Pre-exposure Rep. 3	8.80	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
Pre-exposure Mean	8.80	0.40				0.40				0.40				0.40				0.40				0.40				0.40			
FDA Action Level	2000	x				x				x				x				x				x				x			

TABLE 28
Analytical Results for Wet Weight PCBs in *Macoma nasuta* Tissues

Analyte:	PCB 87				PCB 101				PCB 105				PCB 118				PCB 128				PCB 138				PCB 153			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	<0.40	U	0.40	0.40	0.60	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.98	--	0.40	0.40	1.11	--	0.40	0.40
RPR1-COMP Rep. 2	<0.40	U	0.40	0.40	0.73	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	1.12	--	0.40	0.40	1.29	--	0.40	0.40
RPR1-COMP Rep. 3	<0.40	U	0.40	0.40	0.69	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	1.06	--	0.40	0.40	1.26	--	0.40	0.40
RPR1-COMP Rep. 4	<0.40	U	0.40	0.40	0.83	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	1.12	--	0.40	0.40	1.62	--	0.40	0.40
RPR1-COMP Rep. 5	<0.40	U	0.40	0.40	0.86	--	0.40	0.40	<0.40	U	0.40	0.40	0.42	--	0.40	0.40	<0.40	U	0.40	0.40	1.20	--	0.40	0.40	1.36	--	0.40	0.40
RPR1-COMP Mean	0.40				**0.74**				0.40				0.40				0.40				**1.10**				**1.33**			
% of Reference	100				186				100				101				100				274				332			
RPR2-COMP Rep. 1	<0.40	U	0.40	0.40	0.89	--	0.40	0.40	<0.40	U	0.40	0.40	0.59	--	0.40	0.40	<0.40	U	0.40	0.40	1.29	--	0.40	0.40	1.42	--	0.40	0.40
RPR2-COMP Rep. 2	<0.40	U	0.40	0.40	0.66	--	0.40	0.40	<0.40	U	0.40	0.40	0.47	--	0.40	0.40	<0.40	U	0.40	0.40	1.02	--	0.40	0.40	1.11	--	0.40	0.40
RPR2-COMP Rep. 3	<0.40	U	0.40	0.40	1.06	--	0.40	0.40	<0.40	U	0.40	0.40	0.67	--	0.40	0.40	<0.40	U	0.40	0.40	1.59	--	0.40	0.40	2.25	--	0.40	0.40
RPR2-COMP Rep. 4	<0.40	U	0.40	0.40	1.11	--	0.40	0.40	<0.40	U	0.40	0.40	0.74	--	0.40	0.40	<0.40	U	0.40	0.40	1.64	--	0.40	0.40	1.73	--	0.40	0.40
RPR2-COMP Rep. 5	<0.40	U	0.40	0.40	0.93	--	0.40	0.40	<0.40	U	0.40	0.40	0.57	--	0.40	0.40	<0.40	U	0.40	0.40	1.21	--	0.40	0.40	1.40	--	0.40	0.40
RPR2-COMP Mean	0.40				**0.93**				0.40				**0.61**				0.40				**1.35**				**1.58**			
% of Reference	100				233				100				152				100				338				396			
RPR3-COMP Rep. 1	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Rep. 2	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Rep. 3	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Rep. 4	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Rep. 5	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Mean	0.40				0.40				0.40				0.40				0.40				0.40				0.40			
% of Reference	100				100				100				100				100				100				100			
RBC1-COMP Rep. 1	<0.40	U	0.40	0.40	1.05	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.47	--	0.40	0.40	0.64	--	0.40	0.40
RBC1-COMP Rep. 2	<0.40	U	0.40	0.40	0.81	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.43	--	0.40	0.40	0.40	--	0.40	0.40
RBC1-COMP Rep. 3	<0.40	U	0.40	0.40	0.63	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RBC1-COMP Rep. 4	<0.40	U	0.40	0.40	0.95	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.45	--	0.40	0.40	0.45	--	0.40	0.40
RBC1-COMP Rep. 5	<0.40	U	0.40	0.40	1.14	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.48	--	0.40	0.40	0.50	--	0.40	0.40
RBC1-COMP Mean	0.40				**0.92**				0.40				0.40				0.40				0.45				0.48			
% of Reference	100				229				100				100				100				112				120			
RPR4-COMP Rep. 1	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Rep. 2	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Rep. 3	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Rep. 4	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Rep. 5	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Mean	0.40				0.40				0.40				0.40				0.40				0.40				0.40			
% of Reference	100				100				100				100				100				100				100			
RPR5-COMP Rep. 1	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.44	--	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Rep. 2	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.43	--	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Rep. 3	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Rep. 4	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Rep. 5	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Mean	0.40				0.40				0.40				0.40				0.40				0.41				0.40			
% of Reference	100				100				100				100				100				104				100			
SJH20-REF Rep. 1	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	*<0.40	U	0.40	0.40
SJH20-REF Rep. 2	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	*<0.40	U	0.40	0.40
SJH20-REF Rep. 3	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	*<0.40	U	0.40	0.40
SJH20-REF Rep. 4	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	*<0.40	U	0.40	0.40
SJH20-REF Rep. 5	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	*<0.40	U	0.40	0.40
SJH20-REF Mean	0.40				0.40				0.40				0.40				0.40				0.40				0.40			
Pre-exposure Rep. 1	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	*<0.40	U	0.40	0.40
Pre-exposure Rep. 2	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	*<0.40	U	0.40	0.40
Pre-exposure Rep. 3	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	*<0.40	U	0.40	0.40
Pre-exposure Mean	0.40				0.40				0.40				0.40				0.40				0.40				0.40			
FDA Action Level	x				x				x				x				x				x				x			

TABLE 28
Analytical Results for Wet Weight PCBs in *Macoma nasuta* Tissues

Analyte:	PCB 170				PCB 180				PCB 183				PCB 184				PCB 187				PCB 195				PCB 206				PCB 209			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	<0.40	U	0.40	0.40	0.43	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.59	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR1-COMP Rep. 2	<0.40	U	0.40	0.40	0.50	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.53	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR1-COMP Rep. 3	<0.40	U	0.40	0.40	0.45	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.46	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR1-COMP Rep. 4	<0.40	U	0.40	0.40	0.47	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.59	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR1-COMP Rep. 5	<0.40	U	0.40	0.40	0.55	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.49	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR1-COMP Mean	0.40				**0.48**				0.40				0.40				**0.53**				0.40				0.40				0.40			
% of Reference	100				120				100				100				133				100				100				100			
RPR2-COMP Rep. 1	<0.40	U	0.40	0.40	0.51	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.49	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR2-COMP Rep. 2	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR2-COMP Rep. 3	<0.40	U	0.40	0.40	0.63	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.64	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR2-COMP Rep. 4	0.40	--	0.40	0.40	0.62	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.62	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR2-COMP Rep. 5	<0.40	U	0.40	0.40	0.49	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.43	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR2-COMP Mean	0.40				**0.53**				0.40				0.40				**0.52**				0.40				0.40				0.40			
% of Reference	100				133				100				100				129				100				100				100			
RPR3-COMP Rep. 1	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Rep. 2	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Rep. 3	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Rep. 4	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Rep. 5	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Mean	0.40				0.40				0.40				0.40				0.40				0.40				0.40				0.40			
% of Reference	100				100				100				100				100				100				100				100			
RBC1-COMP Rep. 1	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RBC1-COMP Rep. 2	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RBC1-COMP Rep. 3	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RBC1-COMP Rep. 4	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RBC1-COMP Rep. 5	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RBC1-COMP Mean	0.40				0.40				0.40				0.40				0.40				0.40				0.40				0.40			
% of Reference	100				100				100				100				100				100				100				100			
RPR4-COMP Rep. 1	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Rep. 2	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Rep. 3	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Rep. 4	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Rep. 5	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Mean	0.40				0.40				0.40				0.40				0.40				0.40				0.40				0.40			
% of Reference	100				100				100				100				100				100				100				100			
RPR5-COMP Rep. 1	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Rep. 2	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Rep. 3	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Rep. 4	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Rep. 5	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Mean	0.40				0.40				0.40				0.40				0.40				0.40				0.40				0.40			
% of Reference	100				100				100				100				100				100				100				100			
SJH20-REF Rep. 1	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
SJH20-REF Rep. 2	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
SJH20-REF Rep. 3	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
SJH20-REF Rep. 4	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
SJH20-REF Rep. 5	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
SJH20-REF Mean	0.40				0.40				0.40				0.40				0.40				0.40				0.40				0.40			
Pre-exposure Rep. 1	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
Pre-exposure Rep. 2	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
Pre-exposure Rep. 3	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
Pre-exposure Mean	0.40				0.40				0.40				0.40				0.40				0.40				0.40				0.40			
FDA Action Level	x				x				x				x				x				x				x				x			

Bolded values indicate that the mean concentration of project tissues is statistically significantly greater than that of the reference tissues and at least two replicate results are greater than the MDL.
< #.## = The analyte was not detected (U-qualified) at or above the MDL. The value indicates the MRL.
Non-Detect (U-qualfied) results use the MDL for calculating total EPA Region 2 PCBs. (J-qualified results use the value reported by the laboratory for calculating total EPA Region 2 PCBs.)
*Sample was tested for analyte PCB-132/153.
Acronyms and qualifiers are defined at the front of the tables section.

Sources: Analytical Resources, Inc.; FDA action levels from FDA (2001, 2011); EPA Region 2 Guidance Manual (2016)
Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 29
Analytical Results for Wet Weight PCBs in *Alitta virens* Tissues

Analyte:	Total EPA Region 2 PCBs	PCB 5/8				PCB 18				PCB 28				PCB 44				PCB 49				PCB 52				PCB 66			
Sample-Replicate #	Result µg/kg	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	14.0	<0.80	U	0.40	0.80	0.98	--	0.40	0.40	0.52	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.68	--	0.40	0.40	<0.40	U	0.40	0.40
RPR1-COMP Rep. 2	13.1	<0.80	U	0.40	0.80	1.04	J	0.40	0.40	0.42	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.67	--	0.40	0.40	<0.40	U	0.40	0.40
RPR1-COMP Rep. 3	11.2	<0.80	U	0.40	0.80	0.76	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.51	--	0.40	0.40	<0.40	U	0.40	0.40
RPR1-COMP Rep. 4	13.2	<0.80	U	0.40	0.80	1.08	J	0.40	0.40	0.53	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.73	--	0.40	0.40	<0.40	U	0.40	0.40
RPR1-COMP Rep. 5	12.0	<0.80	U	0.40	0.80	1.00	J	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.62	--	0.40	0.40	<0.40	U	0.40	0.40
RPR1-COMP Mean	**12.7**	0.40				**0.97**				0.45				0.40				0.40				**0.64**				0.40			
% of Reference	115	100				243				114				100				100				161				100			
RPR2-COMP Rep. 1	14.5	<0.80	U	0.40	0.80	0.69	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.89	--	0.40	0.40	<0.40	U	0.40	0.40
RPR2-COMP Rep. 2	13.1	<0.80	U	0.40	0.80	0.57	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.70	--	0.40	0.40	<0.40	U	0.40	0.40
RPR2-COMP Rep. 3	12.4	<0.80	U	0.40	0.80	0.53	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.65	--	0.40	0.40	<0.40	U	0.40	0.40
RPR2-COMP Rep. 4	13.7	<0.80	U	0.40	0.80	0.63	--	0.40	0.40	0.41	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.83	--	0.40	0.40	<0.40	U	0.40	0.40
RPR2-COMP Rep. 5	12.7	<0.80	U	0.40	0.80	0.53	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.70	--	0.40	0.40	<0.40	U	0.40	0.40
RPR2-COMP Mean	**13.3**	0.40				**0.59**				0.40				0.40				0.40				**0.75**				0.40			
% of Reference	120	100				148				101				100				100				189				100			
RPR3-COMP Rep. 1	10.1	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Rep. 2	10.5	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Rep. 3	9.82	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Rep. 4	9.68	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Rep. 5	10.0	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Mean	10.0	0.40				0.40				0.40				0.40				0.40				0.40				0.40			
% of Reference	91	100				100				100				100				100				100				100			
RBC1-COMP Rep. 1	10.9	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.49	--	0.40	0.40	<0.40	U	0.40	0.40
RBC1-COMP Rep. 2	12.7	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.62	--	0.40	0.40	<0.40	U	0.40	0.40
RBC1-COMP Rep. 3	11.3	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.54	--	0.40	0.40	<0.40	U	0.40	0.40
RBC1-COMP Rep. 4	10.4	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.42	--	0.40	0.40	<0.40	U	0.40	0.40
RBC1-COMP Rep. 5	10.7	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.48	--	0.40	0.40	<0.40	U	0.40	0.40
RBC1-COMP Mean	11.2	0.40				0.40				0.40				0.40				0.40				**0.51**				0.40			
% of Reference	102	100				100				100				100				100				128				100			
RPR4-COMP Rep. 1	12.0	<0.80	U	0.40	0.80	0.70	--	0.40	0.40	0.46	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.54	--	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Rep. 2	10.4	<0.80	U	0.40	0.80	0.58	--	0.40	0.40	0.42	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.50	--	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Rep. 3	10.3	<0.80	U	0.40	0.80	0.41	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.43	--	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Rep. 4	10.1	<0.80	U	0.40	0.80	0.49	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.47	--	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Rep. 5	11.8	<0.80	U	0.40	0.80	0.61	--	0.40	0.40	0.45	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.55	--	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Mean	10.9	0.40				**0.56**				0.43				0.40				0.40				**0.50**				0.40			
% of Reference	99	100				140				107				100				100				125				100			
RPR5-COMP Rep. 1	10.4	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.43	--	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Rep. 2	9.90	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Rep. 3	10.8	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.47	--	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Rep. 4	10.4	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.41	--	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Rep. 5	10.2	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.48	--	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Mean	10.4	0.40				0.40				0.40				0.40				0.40				0.44				0.40			
% of Reference	94	100				100				100				100				100				110				100			
SJH20-REF Rep. 1	11.8	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
SJH20-REF Rep. 2	11.6	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
SJH20-REF Rep. 3	11.0	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
SJH20-REF Rep. 4	10.8	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
SJH20-REF Rep. 5	11.5	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
SJH20-REF Mean	11.3	0.40				0.40				0.40				0.40				0.40				0.40				0.40			
Pre-exposure Rep. 1	10.6	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
Pre-exposure Rep. 2	9.19	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
Pre-exposure Rep. 3	8.90	<0.80	U	0.40	0.80	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
Pre-exposure Mean	10.4	0.40				0.40				0.40				0.40				0.40				0.40				0.40			
FDA Action Level	2000	x				x				x				x				x				x				x			

TABLE 29
Analytical Results for Wet Weight PCBs in *Alitta virens* Tissues

Analyte:	PCB 87				PCB 101				PCB 105				PCB 118				PCB 128				PCB 138				PCB 153			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	<0.40	U	0.40	0.40	0.72	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	1.41	--	0.40	0.40	2.28	--	0.40	0.40
RPR1-COMP Rep. 2	<0.40	U	0.40	0.40	0.64	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	1.24	--	0.40	0.40	2.03	--	0.40	0.40
RPR1-COMP Rep. 3	<0.40	U	0.40	0.40	0.49	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	1.01	--	0.40	0.40	1.47	--	0.40	0.40
RPR1-COMP Rep. 4	<0.40	U	0.40	0.40	0.67	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	1.38	--	0.40	0.40	1.87	--	0.40	0.40
RPR1-COMP Rep. 5	<0.40	U	0.40	0.40	0.54	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	1.16	--	0.40	0.40	1.58	--	0.40	0.40
RPR1-COMP Mean	0.40				**0.61**				0.40				0.40				0.40				1.24				1.85			
% of Reference	100				153				100				100				100				108				99			
RPR2-COMP Rep. 1	<0.40	U	0.40	0.40	1.04	--	0.40	0.40	<0.40	U	0.40	0.40	0.44	--	0.40	0.40	<0.40	U	0.40	0.40	1.71	--	0.40	0.40	2.38	--	0.40	0.40
RPR2-COMP Rep. 2	<0.40	U	0.40	0.40	0.84	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	1.43	--	0.40	0.40	2.18	--	0.40	0.40
RPR2-COMP Rep. 3	<0.40	U	0.40	0.40	0.80	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	1.18	--	0.40	0.40	1.80	--	0.40	0.40
RPR2-COMP Rep. 4	<0.40	U	0.40	0.40	1.03	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	1.45	--	0.40	0.40	2.25	--	0.40	0.40
RPR2-COMP Rep. 5	<0.40	U	0.40	0.40	0.85	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	1.39	--	0.40	0.40	1.93	--	0.40	0.40
RPR2-COMP Mean	0.40				**0.91**				0.40				0.41				0.40				**1.43**				2.11			
% of Reference	100				228				100				102				100				125				113			
RPR3-COMP Rep. 1	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.83	--	0.40	0.40	1.17	--	0.40	0.40
RPR3-COMP Rep. 2	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.90	--	0.40	0.40	1.45	--	0.40	0.40
RPR3-COMP Rep. 3	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.68	--	0.40	0.40	1.09	--	0.40	0.40
RPR3-COMP Rep. 4	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.65	--	0.40	0.40	1.03	--	0.40	0.40
RPR3-COMP Rep. 5	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.76	--	0.40	0.40	1.20	--	0.40	0.40
RPR3-COMP Mean	0.40				0.40				0.40				0.40				0.40				0.76				1.19			
% of Reference	100				100				100				100				100				66				63			
RBC1-COMP Rep. 1	<0.40	U	0.40	0.40	0.91	J	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.89	--	0.40	0.40	1.27	--	0.40	0.40
RBC1-COMP Rep. 2	<0.40	U	0.40	0.40	1.24	J	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	1.34	--	0.40	0.40	1.94	--	0.40	0.40
RBC1-COMP Rep. 3	<0.40	U	0.40	0.40	1.02	J	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.98	--	0.40	0.40	1.46	--	0.40	0.40
RBC1-COMP Rep. 4	<0.40	U	0.40	0.40	0.76	J	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.79	--	0.40	0.40	1.16	--	0.40	0.40
RBC1-COMP Rep. 5	<0.40	U	0.40	0.40	0.87	J	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.85	--	0.40	0.40	1.24	--	0.40	0.40
RBC1-COMP Mean	0.40				**0.96**				0.40				0.40				0.40				0.97				1.41			
% of Reference	100				240				100				100				100				84				76			
RPR4-COMP Rep. 1	<0.40	U	0.40	0.40	0.47	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	1.17	--	0.40	0.40	1.69	--	0.40	0.40
RPR4-COMP Rep. 2	<0.40	U	0.40	0.40	0.40	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.84	--	0.40	0.40	1.16	--	0.40	0.40
RPR4-COMP Rep. 3	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.88	--	0.40	0.40	1.29	--	0.40	0.40
RPR4-COMP Rep. 4	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.81	--	0.40	0.40	1.08	--	0.40	0.40
RPR4-COMP Rep. 5	<0.40	U	0.40	0.40	0.45	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	1.17	--	0.40	0.40	1.84	--	0.40	0.40
RPR4-COMP Mean	0.40				0.42				0.40				0.40				0.40				0.97				1.41			
% of Reference	100				106				100				100				100				85				75			
RPR5-COMP Rep. 1	<0.40	U	0.40	0.40	0.45	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.88	--	0.40	0.40	1.32	--	0.40	0.40
RPR5-COMP Rep. 2	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.71	--	0.40	0.40	1.13	--	0.40	0.40
RPR5-COMP Rep. 3	<0.40	U	0.40	0.40	0.42	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.99	--	0.40	0.40	1.45	--	0.40	0.40
RPR5-COMP Rep. 4	<0.40	U	0.40	0.40	0.45	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.92	--	0.40	0.40	1.33	--	0.40	0.40
RPR5-COMP Rep. 5	<0.40	U	0.40	0.40	0.50	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.84	--	0.40	0.40	1.15	--	0.40	0.40
RPR5-COMP Mean	0.40				0.44				0.40				0.40				0.40				0.87				1.28			
% of Reference	100				111				100				100				100				75				68			
SJH20-REF Rep. 1	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	1.24	--	0.40	0.40	2.08	--	0.40	0.40
SJH20-REF Rep. 2	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	1.27	--	0.40	0.40	1.99	--	0.40	0.40
SJH20-REF Rep. 3	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	1.12	--	0.40	0.40	1.67	--	0.40	0.40
SJH20-REF Rep. 4	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.96	--	0.40	0.40	1.67	--	0.40	0.40
SJH20-REF Rep. 5	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	1.16	--	0.40	0.40	1.95	--	0.40	0.40
SJH20-REF Mean	0.40				0.40				0.40				0.40				0.40				1.15				1.87			
Pre-exposure Rep. 1	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.91	--	0.40	0.40	1.48	--	0.40	0.40
Pre-exposure Rep. 2	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.98	--	0.40	0.40	1.52	--	0.40	0.40
Pre-exposure Rep. 3	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.82	--	0.40	0.40	1.18	--	0.40	0.40
Pre-exposure Mean	0.40				0.40				0.40				0.40				0.40				0.90				1.39			
FDA Action Level	x				x				x				x				x				x				x			

TABLE 29
Analytical Results for Wet Weight PCBs in *Alitta virens* Tissues

Analyte:	PCB 170				PCB 180				PCB 183				PCB 184				PCB 187				PCB 195				PCB 206				PCB 209			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	0.42	--	0.40	0.40	0.90	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.85	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR1-COMP Rep. 2	<0.40	U	0.40	0.40	0.66	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.76	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR1-COMP Rep. 3	<0.40	U	0.40	0.40	0.47	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.51	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR1-COMP Rep. 4	<0.40	U	0.40	0.40	0.60	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.74	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR1-COMP Rep. 5	<0.40	U	0.40	0.40	0.48	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.63	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR1-COMP Mean	0.40				0.62				0.40				0.40				**0.70**				0.40				0.40				0.40			
% of Reference	101				126				100				100				111				100				100				100			
RPR2-COMP Rep. 1	0.43	--	0.40	0.40	0.81	--	0.40	0.40	0.40	--	0.40	0.40	<0.40	U	0.40	0.40	0.89	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR2-COMP Rep. 2	<0.40	U	0.40	0.40	0.64	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.74	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR2-COMP Rep. 3	<0.40	U	0.40	0.40	0.77	J	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.62	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR2-COMP Rep. 4	<0.40	U	0.40	0.40	0.72	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.75	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR2-COMP Rep. 5	<0.40	U	0.40	0.40	0.55	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.70	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR2-COMP Mean	0.41				**0.70**				0.40				0.40				**0.74**				0.40				0.40				0.40			
% of Reference	102				142				100				100				118				100				100				100			
RPR3-COMP Rep. 1	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.47	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Rep. 2	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.52	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Rep. 3	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.45	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Rep. 4	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Rep. 5	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.47	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR3-COMP Mean	0.40				0.40				0.40				0.40				0.46				0.40				0.40				0.40			
% of Reference	100				81				100				100				74				100				100				100			
RBC1-COMP Rep. 1	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.50	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RBC1-COMP Rep. 2	<0.40	U	0.40	0.40	0.52	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.68	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RBC1-COMP Rep. 3	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.52	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RBC1-COMP Rep. 4	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.44	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RBC1-COMP Rep. 5	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.45	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RBC1-COMP Mean	0.40				0.42				0.40				0.40				0.52				0.40				0.40				0.40			
% of Reference	100				86				100				100				82				100				100				100			
RPR4-COMP Rep. 1	<0.40	U	0.40	0.40	0.62	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.73	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Rep. 2	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.50	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Rep. 3	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.53	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Rep. 4	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.48	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Rep. 5	<0.40	U	0.40	0.40	0.52	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.59	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR4-COMP Mean	0.40				0.47				0.40				0.40				0.57				0.40				0.40				0.40			
% of Reference	100				95				100				100				90				100				100				100			
RPR5-COMP Rep. 1	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.54	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Rep. 2	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.46	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Rep. 3	<0.40	U	0.40	0.40	0.47	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.57	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Rep. 4	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.52	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Rep. 5	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.46	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
RPR5-COMP Mean	0.40				0.41				0.40				0.40				0.51				0.40				0.40				0.40			
% of Reference	100				84				100				100				81				100				100				100			
SJH20-REF Rep. 1	<0.40	U	0.40	0.40	0.60	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.70	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
SJH20-REF Rep. 2	<0.40	U	0.40	0.40	0.48	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.64	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
SJH20-REF Rep. 3	<0.40	U	0.40	0.40	0.44	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.58	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
SJH20-REF Rep. 4	<0.40	U	0.40	0.40	0.41	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.56	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
SJH20-REF Rep. 5	<0.40	U	0.40	0.40	0.53	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.66	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
SJH20-REF Mean	0.40				0.49				0.40				0.40				0.63				0.40				0.40				0.40			
Pre-exposure Rep. 1	<0.40	U	0.40	0.40	0.44	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.52	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
Pre-exposure Rep. 2	<0.40	U	0.40	0.40	0.47	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.54	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
Pre-exposure Rep. 3	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	0.48	--	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40	<0.40	U	0.40	0.40
Pre-exposure Mean	0.40				0.44				0.40				0.40				0.51				0.40				0.40				0.40			
FDA Action Level	x				x				x				x				x				x				x				x			

Bolded values indicate that the mean concentration of project tissues is statistically significantly greater than that of the reference tissues and at least two replicate results are greater than the MDL.
< #.## = The analyte was not detected (U-qualified) at or above the MDL. The value indicates the MRL.
Non-Detect (U-qualified) results use the MDL for calculating total EPA Region 2 PCBs. (J-qualified results use the value reported by the laboratory for calculating total EPA Region 2 PCBs.)
Acronyms and qualifiers are defined at the front of the tables section.

Sources: Analytical Resources, Inc.; FDA action levels from FDA (2001, 2011); EPA Region 2 Guidance Manual (2016)
Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 30
Analytical Results for Dry Weight PCBs in *Macoma nasuta* Tissues

Analyte:	PCB 5/8				PCB 18				PCB 28				PCB 44				PCB 49				PCB 52				PCB 66			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	<4.33	U	2.17	4.33	3.79	--	2.17	2.17	4.11	--	2.17	2.17	<2.16	U	2.17	2.17	2.27	--	2.17	2.17	2.76	--	2.17	2.17	<2.16	U	2.17	2.17
RPR1-COMP Rep. 2	<4.73	U	2.37	4.73	3.78	--	2.37	2.37	5.73	--	2.37	2.37	<2.36	U	2.37	2.37	2.89	--	2.37	2.37	3.48	--	2.37	2.37	<2.36	U	2.37	2.37
RPR1-COMP Rep. 3	<4.67	U	2.34	4.67	5.43	J	2.34	2.34	5.43	--	2.34	2.34	<2.33	U	2.34	2.34	2.92	--	2.34	2.34	3.79	--	2.34	2.34	<2.33	U	2.34	2.34
RPR1-COMP Rep. 4	<4.47	U	2.24	4.47	3.46	--	2.24	2.24	6.59	--	2.24	2.24	<2.23	U	2.24	2.24	2.90	--	2.24	2.24	4.13	--	2.24	2.24	<2.23	U	2.24	2.24
RPR1-COMP Rep. 5	<4.41	U	2.21	4.42	2.87	--	2.21	2.21	7.34	--	2.21	2.21	<2.20	U	2.21	2.21	3.14	--	2.21	2.21	3.92	--	2.21	2.21	<2.20	U	2.21	2.21
RPR2-COMP Rep. 1	<4.71	U	2.36	4.72	2.53	--	2.36	2.36	3.48	--	2.36	2.36	<2.35	U	2.36	2.36	2.83	--	2.36	2.36	3.65	--	2.36	2.36	<2.35	U	2.36	2.36
RPR2-COMP Rep. 2	<4.50	U	2.25	4.50	<2.25	U	2.25	2.25	2.53	--	2.25	2.25	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25	2.70	--	2.25	2.25	<2.25	U	2.25	2.25
RPR2-COMP Rep. 3	<4.31	U	2.16	4.32	<2.15	U	2.16	2.16	3.99	--	2.16	2.16	<2.15	U	2.16	2.16	3.02	--	2.16	2.16	4.04	--	2.16	2.16	<2.15	U	2.16	2.16
RPR2-COMP Rep. 4	<4.43	U	2.22	4.44	3.21	--	2.22	2.22	4.82	--	2.22	2.22	<2.21	U	2.22	2.22	3.44	--	2.22	2.22	4.32	--	2.22	2.22	<2.21	U	2.22	2.22
RPR2-COMP Rep. 5	<4.34	U	2.17	4.35	<2.17	U	2.17	2.17	3.47	--	2.17	2.17	<2.17	U	2.17	2.17	2.66	--	2.17	2.17	3.36	--	2.17	2.17	<2.17	U	2.17	2.17
RPR3-COMP Rep. 1	<4.77	U	2.39	4.77	<2.38	U	2.39	2.39	<2.38	U	2.39	2.39	<2.38	U	2.39	2.39	<2.38	U	2.39	2.39	<2.38	U	2.39	2.39	<2.38	U	2.39	2.39
RPR3-COMP Rep. 2	<4.49	U	2.25	4.49	<2.24	U	2.25	2.25	<2.24	U	2.25	2.25	<2.24	U	2.25	2.25	<2.24	U	2.25	2.25	<2.24	U	2.25	2.25	<2.24	U	2.25	2.25
RPR3-COMP Rep. 3	<4.62	U	2.31	4.63	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31
RPR3-COMP Rep. 4	<4.52	U	2.26	4.52	<2.26	U	2.26	2.26	<2.26	U	2.26	2.26	<2.26	U	2.26	2.26	<2.26	U	2.26	2.26	<2.26	U	2.26	2.26	<2.26	U	2.26	2.26
RPR3-COMP Rep. 5	<4.76	U	2.38	4.76	<2.38	U	2.38	2.38	<2.38	U	2.38	2.38	<2.38	U	2.38	2.38	<2.38	U	2.38	2.38	<2.38	U	2.38	2.38	<2.38	U	2.38	2.38
RBC1-COMP Rep. 1	<4.32	U	2.16	4.32	<2.16	U	2.16	2.16	<2.16	U	2.16	2.16	<2.16	U	2.16	2.16	<2.16	U	2.16	2.16	<2.16	U	2.16	2.16	<2.16	U	2.16	2.16
RBC1-COMP Rep. 2	<4.74	U	2.37	4.74	<2.37	U	2.37	2.37	<2.37	U	2.37	2.37	<2.37	U	2.37	2.37	<2.37	U	2.37	2.37	<2.37	U	2.37	2.37	<2.37	U	2.37	2.37
RBC1-COMP Rep. 3	<4.62	U	2.31	4.63	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31
RBC1-COMP Rep. 4	<4.75	U	2.38	4.75	<2.37	U	2.38	2.38	<2.37	U	2.38	2.38	<2.37	U	2.38	2.38	<2.37	U	2.38	2.38	2.61	--	2.38	2.38	<2.37	U	2.38	2.38
RBC1-COMP Rep. 5	<4.25	U	2.13	4.26	<2.12	U	2.13	2.13	<2.12	U	2.13	2.13	<2.12	U	2.13	2.13	<2.12	U	2.13	2.13	2.28	--	2.13	2.13	<2.12	U	2.13	2.13
RPR4-COMP Rep. 1	<4.63	U	2.32	4.64	2.55	--	2.32	2.32	4.05	--	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32
RPR4-COMP Rep. 2	<4.72	U	2.36	4.72	<2.36	U	2.36	2.36	4.01	--	2.36	2.36	<2.36	U	2.36	2.36	<2.36	U	2.36	2.36	2.47	--	2.36	2.36	<2.36	U	2.36	2.36
RPR4-COMP Rep. 3	<4.36	U	2.18	4.37	2.89	--	2.18	2.18	3.71	--	2.18	2.18	<2.18	U	2.18	2.18	2.23	--	2.18	2.18	2.51	--	2.18	2.18	<2.18	U	2.18	2.18
RPR4-COMP Rep. 4	<4.50	U	2.25	4.51	<2.25	U	2.25	2.25	2.81	--	2.25	2.25	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25
RPR4-COMP Rep. 5	<4.67	U	2.34	4.67	2.45	--	2.34	2.34	4.14	--	2.34	2.34	<2.33	U	2.34	2.34	<2.33	U	2.34	2.34	2.45	--	2.34	2.34	<2.33	U	2.34	2.34
RPR5-COMP Rep. 1	<4.60	U	2.30	4.61	<2.30	U	2.30	2.30	2.47	--	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	2.30	--	2.30	2.30	<2.30	U	2.30	2.30
RPR5-COMP Rep. 2	<4.81	U	2.41	4.82	<2.40	U	2.41	2.41	2.71	--	2.41	2.41	<2.40	U	2.41	2.41	<2.40	U	2.41	2.41	2.40	--	2.41	2.41	<2.40	U	2.41	2.41
RPR5-COMP Rep. 3	<4.63	U	2.32	4.63	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32
RPR5-COMP Rep. 4	<4.62	U	2.31	4.62	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31
RPR5-COMP Rep. 5	<4.51	U	2.26	4.52	<2.25	U	2.26	2.26	<2.25	U	2.26	2.26	<2.25	U	2.26	2.26	<2.25	U	2.26	2.26	<2.25	U	2.26	2.26	<2.25	U	2.26	2.26
SJH20-REF Rep. 1	<4.66	U	2.33	4.66	<2.33	U	2.33	2.33	<2.33	U	2.33	2.33	<2.33	U	2.33	2.33	<2.33	U	2.33	2.33	<2.33	U	2.33	2.33	<2.33	U	2.33	2.33
SJH20-REF Rep. 2	<4.37	U	2.18	4.37	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18
SJH20-REF Rep. 3	<4.63	U	2.31	4.63	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31
SJH20-REF Rep. 4	<4.44	U	2.22	4.44	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22
SJH20-REF Rep. 5	<4.59	U	2.30	4.59	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30
Pre-exposure Rep. 1	<4.40	U	2.20	4.40	<2.20	U	2.20	2.20	<2.20	U	2.20	2.20	<2.20	U	2.20	2.20	<2.20	U	2.20	2.20	<2.20	U	2.20	2.20	<2.20	U	2.20	2.20
Pre-exposure Rep. 2	<4.45	U	2.22	4.45	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22
Pre-exposure Rep. 3	<4.34	U	2.17	4.34	<2.17	U	2.17	2.17	<2.17	U	2.17	2.17	<2.17	U	2.17	2.17	<2.17	U	2.17	2.17	<2.17	U	2.17	2.17	<2.17	U	2.17	2.17

TABLE 30
Analytical Results for Dry Weight PCBs in *Macoma nasuta* Tissues

Analyte:	PCB 87				PCB 101				PCB 105				PCB 118				PCB 128				PCB 138				PCB 153			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	<2.16	U	2.17	2.17	3.25	--	2.17	2.17	<2.16	U	2.17	2.17	<2.16	U	2.17	2.17	<2.16	U	2.17	2.17	5.30	--	2.17	2.17	6.01	--	2.17	2.17
RPR1-COMP Rep. 2	<2.36	U	2.37	2.37	4.31	--	2.37	2.37	<2.36	U	2.37	2.37	<2.36	U	2.37	2.37	<2.36	U	2.37	2.37	6.62	--	2.37	2.37	7.62	--	2.37	2.37
RPR1-COMP Rep. 3	<2.33	U	2.34	2.34	4.03	--	2.34	2.34	<2.33	U	2.34	2.34	<2.33	U	2.34	2.34	<2.33	U	2.34	2.34	6.19	--	2.34	2.34	7.35	--	2.34	2.34
RPR1-COMP Rep. 4	<2.23	U	2.24	2.24	4.63	--	2.24	2.24	<2.23	U	2.24	2.24	<2.23	U	2.24	2.24	<2.23	U	2.24	2.24	6.26	--	2.24	2.24	9.05	--	2.24	2.24
RPR1-COMP Rep. 5	<2.20	U	2.21	2.21	4.74	--	2.21	2.21	<2.20	U	2.21	2.21	2.31	--	2.21	2.21	<2.20	U	2.21	2.21	6.62	--	2.21	2.21	7.50	--	2.21	2.21
RPR2-COMP Rep. 1	<2.35	U	2.36	2.36	5.25	--	2.36	2.36	<2.35	U	2.36	2.36	3.48	--	2.36	2.36	<2.35	U	2.36	2.36	7.61	--	2.36	2.36	8.37	--	2.36	2.36
RPR2-COMP Rep. 2	<2.25	U	2.25	2.25	3.71	--	2.25	2.25	<2.25	U	2.25	2.25	2.64	--	2.25	2.25	<2.25	U	2.25	2.25	5.74	--	2.25	2.25	6.24	--	2.25	2.25
RPR2-COMP Rep. 3	<2.15	U	2.16	2.16	5.72	--	2.16	2.16	<2.15	U	2.16	2.16	3.61	--	2.16	2.16	<2.15	U	2.16	2.16	8.58	--	2.16	2.16	12.1	--	2.16	2.16
RPR2-COMP Rep. 4	<2.21	U	2.22	2.22	6.15	--	2.22	2.22	<2.21	U	2.22	2.22	4.1	--	2.22	2.22	<2.21	U	2.22	2.22	9.10	--	2.22	2.22	9.60	--	2.22	2.22
RPR2-COMP Rep. 5	<2.17	U	2.17	2.17	5.05	--	2.17	2.17	<2.17	U	2.17	2.17	3.09	--	2.17	2.17	<2.17	U	2.17	2.17	6.57	--	2.17	2.17	7.60	--	2.17	2.17
RPR3-COMP Rep. 1	<2.38	U	2.39	2.39	<2.38	U	2.39	2.39	<2.38	U	2.39	2.39	<2.38	U	2.39	2.39	<2.38	U	2.39	2.39	<2.38	U	2.39	2.39	<2.38	U	2.39	2.39
RPR3-COMP Rep. 2	<2.24	U	2.25	2.25	<2.24	U	2.25	2.25	<2.24	U	2.25	2.25	<2.24	U	2.25	2.25	<2.24	U	2.25	2.25	<2.24	U	2.25	2.25	<2.24	U	2.25	2.25
RPR3-COMP Rep. 3	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31
RPR3-COMP Rep. 4	<2.26	U	2.26	2.26	<2.26	U	2.26	2.26	<2.26	U	2.26	2.26	<2.26	U	2.26	2.26	<2.26	U	2.26	2.26	<2.26	U	2.26	2.26	<2.26	U	2.26	2.26
RPR3-COMP Rep. 5	<2.38	U	2.38	2.38	<2.38	U	2.38	2.38	<2.38	U	2.38	2.38	<2.38	U	2.38	2.38	<2.38	U	2.38	2.38	<2.38	U	2.38	2.38	<2.38	U	2.38	2.38
RBC1-COMP Rep. 1	<2.16	U	2.16	2.16	5.67	--	2.16	2.16	<2.16	U	2.16	2.16	<2.16	U	2.16	2.16	<2.16	U	2.16	2.16	2.54	--	2.16	2.16	3.45	--	2.16	2.16
RBC1-COMP Rep. 2	<2.37	U	2.37	2.37	4.8	--	2.37	2.37	<2.37	U	2.37	2.37	<2.37	U	2.37	2.37	<2.37	U	2.37	2.37	2.55	--	2.37	2.37	2.37	--	2.37	2.37
RBC1-COMP Rep. 3	<2.31	U	2.31	2.31	3.64	--	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31
RBC1-COMP Rep. 4	<2.37	U	2.38	2.38	5.64	--	2.38	2.38	<2.37	U	2.38	2.38	<2.37	U	2.38	2.38	<2.37	U	2.38	2.38	2.67	--	2.38	2.38	2.67	--	2.38	2.38
RBC1-COMP Rep. 5	<2.12	U	2.13	2.13	6.06	--	2.13	2.13	<2.12	U	2.13	2.13	<2.12	U	2.13	2.13	<2.12	U	2.13	2.13	2.55	--	2.13	2.13	2.66	--	2.13	2.13
RPR4-COMP Rep. 1	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32
RPR4-COMP Rep. 2	<2.36	U	2.36	2.36	<2.36	U	2.36	2.36	<2.36	U	2.36	2.36	<2.36	U	2.36	2.36	<2.36	U	2.36	2.36	<2.36	U	2.36	2.36	<2.36	U	2.36	2.36
RPR4-COMP Rep. 3	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18
RPR4-COMP Rep. 4	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25
RPR4-COMP Rep. 5	<2.33	U	2.34	2.34	<2.33	U	2.34	2.34	<2.33	U	2.34	2.34	<2.33	U	2.34	2.34	<2.33	U	2.34	2.34	<2.33	U	2.34	2.34	<2.33	U	2.34	2.34
RPR5-COMP Rep. 1	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	2.53	--	2.30	2.30	<2.30	U	2.30	2.30
RPR5-COMP Rep. 2	<2.40	U	2.41	2.41	<2.40	U	2.41	2.41	<2.40	U	2.41	2.41	<2.40	U	2.41	2.41	<2.40	U	2.41	2.41	2.59	--	2.41	2.41	<2.40	U	2.41	2.41
RPR5-COMP Rep. 3	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32
RPR5-COMP Rep. 4	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31
RPR5-COMP Rep. 5	<2.25	U	2.26	2.26	<2.25	U	2.26	2.26	<2.25	U	2.26	2.26	<2.25	U	2.26	2.26	<2.25	U	2.26	2.26	<2.25	U	2.26	2.26	<2.25	U	2.26	2.26
SJH20-REF Rep. 1	<2.33	U	2.33	2.33	<2.33	U	2.33	2.33	<2.33	U	2.33	2.33	<2.33	U	2.33	2.33	<2.33	U	2.33	2.33	<2.33	U	2.33	2.33	*<2.33	U	2.33	2.33
SJH20-REF Rep. 2	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	*<2.18	U	2.18	2.18
SJH20-REF Rep. 3	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	*<2.31	U	2.31	2.31
SJH20-REF Rep. 4	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	*<2.22	U	2.22	2.22
SJH20-REF Rep. 5	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	*<2.30	U	2.30	2.30
Pre-exposure Rep. 1	<2.20	U	2.20	2.20	<2.20	U	2.20	2.20	<2.20	U	2.20	2.20	<2.20	U	2.20	2.20	<2.20	U	2.20	2.20	<2.20	U	2.20	2.20	*<2.20	U	2.20	2.20
Pre-exposure Rep. 2	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	*<2.22	U	2.22	2.22
Pre-exposure Rep. 3	<2.17	U	2.17	2.17	<2.17	U	2.17	2.17	<2.17	U	2.17	2.17	<2.17	U	2.17	2.17	<2.17	U	2.17	2.17	<2.17	U	2.17	2.17	*<2.17	U	2.17	2.17

TABLE 30
Analytical Results for Dry Weight PCBs in *Macoma nasuta* Tissues

Analyte:	PCB 170				PCB 180				PCB 183				PCB 184				PCB 187				PCB 195				PCB 206				PCB 209			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	<2.16	U	2.17	2.17	2.32	--	2.17	2.17	<2.16	U	2.17	2.17	<2.16	U	2.17	2.17	3.19	--	2.17	2.17	<2.16	U	2.17	2.17	<2.16	U	2.17	2.17	<2.16	U	2.17	2.17
RPR1-COMP Rep. 2	<2.36	U	2.37	2.37	2.95	--	2.37	2.37	<2.36	U	2.37	2.37	<2.36	U	2.37	2.37	3.13	--	2.37	2.37	<2.36	U	2.37	2.37	<2.36	U	2.37	2.37	<2.36	U	2.37	2.37
RPR1-COMP Rep. 3	<2.33	U	2.34	2.34	2.62	--	2.34	2.34	<2.33	U	2.34	2.34	<2.33	U	2.34	2.34	2.68	--	2.34	2.34	<2.33	U	2.34	2.34	<2.33	U	2.34	2.34	<2.33	U	2.34	2.34
RPR1-COMP Rep. 4	<2.23	U	2.24	2.24	2.62	--	2.24	2.24	<2.23	U	2.24	2.24	<2.23	U	2.24	2.24	3.29	--	2.24	2.24	<2.23	U	2.24	2.24	<2.23	U	2.24	2.24	<2.23	U	2.24	2.24
RPR1-COMP Rep. 5	<2.20	U	2.21	2.21	3.03	--	2.21	2.21	<2.20	U	2.21	2.21	<2.20	U	2.21	2.21	2.70	--	2.21	2.21	<2.20	U	2.21	2.21	<2.20	U	2.21	2.21	<2.20	U	2.21	2.21
RPR2-COMP Rep. 1	<2.35	U	2.36	2.36	3.00	--	2.36	2.36	<2.35	U	2.36	2.36	<2.35	U	2.36	2.36	2.89	--	2.36	2.36	<2.35	U	2.36	2.36	<2.35	U	2.36	2.36	<2.35	U	2.36	2.36
RPR2-COMP Rep. 2	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25
RPR2-COMP Rep. 3	<2.15	U	2.16	2.16	3.39	--	2.16	2.16	<2.15	U	2.16	2.16	<2.15	U	2.16	2.16	3.45	--	2.16	2.16	<2.15	U	2.16	2.16	<2.15	U	2.16	2.16	<2.15	U	2.16	2.16
RPR2-COMP Rep. 4	2.21	--	2.22	2.22	3.44	--	2.22	2.22	<2.21	U	2.22	2.22	<2.21	U	2.22	2.22	3.44	--	2.22	2.22	<2.21	U	2.22	2.22	<2.21	U	2.22	2.22	<2.21	U	2.22	2.22
RPR2-COMP Rep. 5	<2.17	U	2.17	2.17	2.66	--	2.17	2.17	<2.17	U	2.17	2.17	<2.17	U	2.17	2.17	2.33	--	2.17	2.17	<2.17	U	2.17	2.17	<2.17	U	2.17	2.17	<2.17	U	2.17	2.17
RPR3-COMP Rep. 1	<2.38	U	2.39	2.39	<2.38	U	2.39	2.39	<2.38	U	2.39	2.39	<2.38	U	2.39	2.39	<2.38	U	2.39	2.39	<2.38	U	2.39	2.39	<2.38	U	2.39	2.39	<2.38	U	2.39	2.39
RPR3-COMP Rep. 2	<2.24	U	2.25	2.25	<2.24	U	2.25	2.25	<2.24	U	2.25	2.25	<2.24	U	2.25	2.25	<2.24	U	2.25	2.25	<2.24	U	2.25	2.25	<2.24	U	2.25	2.25	<2.24	U	2.25	2.25
RPR3-COMP Rep. 3	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31
RPR3-COMP Rep. 4	<2.26	U	2.26	2.26	<2.26	U	2.26	2.26	<2.26	U	2.26	2.26	<2.26	U	2.26	2.26	<2.26	U	2.26	2.26	<2.26	U	2.26	2.26	<2.26	U	2.26	2.26	<2.26	U	2.26	2.26
RPR3-COMP Rep. 5	<2.38	U	2.38	2.38	<2.38	U	2.38	2.38	<2.38	U	2.38	2.38	<2.38	U	2.38	2.38	<2.38	U	2.38	2.38	<2.38	U	2.38	2.38	<2.38	U	2.38	2.38	<2.38	U	2.38	2.38
RBC1-COMP Rep. 1	<2.16	U	2.16	2.16	<2.16	U	2.16	2.16	<2.16	U	2.16	2.16	<2.16	U	2.16	2.16	<2.16	U	2.16	2.16	<2.16	U	2.16	2.16	<2.16	U	2.16	2.16	<2.16	U	2.16	2.16
RBC1-COMP Rep. 2	<2.37	U	2.37	2.37	<2.37	U	2.37	2.37	<2.37	U	2.37	2.37	<2.37	U	2.37	2.37	<2.37	U	2.37	2.37	<2.37	U	2.37	2.37	<2.37	U	2.37	2.37	<2.37	U	2.37	2.37
RBC1-COMP Rep. 3	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31
RBC1-COMP Rep. 4	<2.37	U	2.38	2.38	<2.37	U	2.38	2.38	<2.37	U	2.38	2.38	<2.37	U	2.38	2.38	<2.37	U	2.38	2.38	<2.37	U	2.38	2.38	<2.37	U	2.38	2.38	<2.37	U	2.38	2.38
RBC1-COMP Rep. 5	<2.12	U	2.13	2.13	<2.12	U	2.13	2.13	<2.12	U	2.13	2.13	<2.12	U	2.13	2.13	<2.12	U	2.13	2.13	<2.12	U	2.13	2.13	<2.12	U	2.13	2.13	<2.12	U	2.13	2.13
RPR4-COMP Rep. 1	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32
RPR4-COMP Rep. 2	<2.36	U	2.36	2.36	<2.36	U	2.36	2.36	<2.36	U	2.36	2.36	<2.36	U	2.36	2.36	<2.36	U	2.36	2.36	<2.36	U	2.36	2.36	<2.36	U	2.36	2.36	<2.36	U	2.36	2.36
RPR4-COMP Rep. 3	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18
RPR4-COMP Rep. 4	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25	<2.25	U	2.25	2.25
RPR4-COMP Rep. 5	<2.33	U	2.34	2.34	<2.33	U	2.34	2.34	<2.33	U	2.34	2.34	<2.33	U	2.34	2.34	<2.33	U	2.34	2.34	<2.33	U	2.34	2.34	<2.33	U	2.34	2.34	<2.33	U	2.34	2.34
RPR5-COMP Rep. 1	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30
RPR5-COMP Rep. 2	<2.40	U	2.41	2.41	<2.40	U	2.41	2.41	<2.40	U	2.41	2.41	<2.40	U	2.41	2.41	<2.40	U	2.41	2.41	<2.40	U	2.41	2.41	<2.40	U	2.41	2.41	<2.40	U	2.41	2.41
RPR5-COMP Rep. 3	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32	<2.31	U	2.32	2.32
RPR5-COMP Rep. 4	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31
RPR5-COMP Rep. 5	<2.25	U	2.26	2.26	<2.25	U	2.26	2.26	<2.25	U	2.26	2.26	<2.25	U	2.26	2.26	<2.25	U	2.26	2.26	<2.25	U	2.26	2.26	<2.25	U	2.26	2.26	<2.25	U	2.26	2.26
SJH20-REF Rep. 1	<2.33	U	2.33	2.33	<2.33	U	2.33	2.33	<2.33	U	2.33	2.33	<2.33	U	2.33	2.33	<2.33	U	2.33	2.33	<2.33	U	2.33	2.33	<2.33	U	2.33	2.33	<2.33	U	2.33	2.33
SJH20-REF Rep. 2	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18	<2.18	U	2.18	2.18
SJH20-REF Rep. 3	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31	<2.31	U	2.31	2.31
SJH20-REF Rep. 4	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22
SJH20-REF Rep. 5	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30	<2.30	U	2.30	2.30
Pre-exposure Rep. 1	<2.20	U	2.20	2.20	<2.20	U	2.20	2.20	<2.20	U	2.20	2.20	<2.20	U	2.20	2.20	<2.20	U	2.20	2.20	<2.20	U	2.20	2.20	<2.20	U	2.20	2.20	<2.20	U	2.20	2.20
Pre-exposure Rep. 2	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22	<2.22	U	2.22	2.22
Pre-exposure Rep. 3	<2.17	U	2.17	2.17	<2.17	U	2.17	2.17	<2.17	U	2.17	2.17	<2.17	U	2.17	2.17	<2.17	U	2.17	2.17	<2.17	U	2.17	2.17	<2.17	U	2.17	2.17	<2.17	U	2.17	2.17

Acronyms and qualifiers are defined at the front of the tables section.
< #.## = The analyte was not detected (U-qualified) at or above the MDL. The value indicates the MRL.
*Sample was tested for analyte PCB-132/153.

Sources: Analytical Resources, Inc.
Compiled by: ANAMAR Environmental Consulting, Inc.

TABLE 31
Analytical Results for Dry Weight PCBs in *Alitta virens* Tissues

Analyte:	PCB 5/8				PCB 18				PCB 28				PCB 44				PCB 49				PCB 52				PCB 66			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	<5.39	U	2.70	5.40	6.61	--	2.70	2.70	3.50	--	2.70	2.70	<2.69	U	2.70	2.70	<2.69	U	2.70	2.70	4.58	--	2.70	2.70	<2.69	U	2.70	2.70
RPR1-COMP Rep. 2	<5.24	U	2.62	5.25	6.81	J	2.62	2.62	2.75	--	2.62	2.62	<2.62	U	2.62	2.62	<2.62	U	2.62	2.62	4.39	--	2.62	2.62	<2.62	U	2.62	2.62
RPR1-COMP Rep. 3	<5.40	U	2.70	5.41	5.13	--	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	3.44	--	2.70	2.70	<2.70	U	2.70	2.70
RPR1-COMP Rep. 4	<5.40	U	2.70	5.40	7.29	J	2.70	2.70	3.57	--	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	4.92	--	2.70	2.70	<2.70	U	2.70	2.70
RPR1-COMP Rep. 5	<5.36	U	2.68	5.37	6.71	J	2.68	2.68	<2.68	U	2.68	2.68	<2.68	U	2.68	2.68	<2.68	U	2.68	2.68	4.16	--	2.68	2.68	<2.68	U	2.68	2.68
RPR2-COMP Rep. 1	<5.21	U	2.61	5.21	4.49	--	2.61	2.61	<2.60	U	2.61	2.61	<2.60	U	2.61	2.61	<2.60	U	2.61	2.61	5.79	--	2.61	2.61	<2.60	U	2.61	2.61
RPR2-COMP Rep. 2	<5.33	U	2.67	5.33	3.80	--	2.67	2.67	<2.66	U	2.67	2.67	<2.66	U	2.67	2.67	<2.66	U	2.67	2.67	4.66	--	2.67	2.67	<2.66	U	2.67	2.67
RPR2-COMP Rep. 3	<5.27	U	2.64	5.27	3.49	--	2.64	2.64	<2.63	U	2.64	2.64	<2.63	U	2.64	2.64	<2.63	U	2.64	2.64	4.28	--	2.64	2.64	<2.63	U	2.64	2.64
RPR2-COMP Rep. 4	<5.25	U	2.63	5.25	4.13	--	2.63	2.63	2.69	--	2.63	2.63	<2.62	U	2.63	2.63	<2.62	U	2.63	2.63	5.44	--	2.63	2.63	<2.62	U	2.63	2.63
RPR2-COMP Rep. 5	<5.07	U	2.54	5.08	3.36	--	2.54	2.54	<2.53	U	2.54	2.54	<2.53	U	2.54	2.54	<2.53	U	2.54	2.54	4.44	--	2.54	2.54	<2.53	U	2.54	2.54
RPR3-COMP Rep. 1	<5.31	U	2.66	5.32	<2.65	U	2.66	2.66	<2.65	U	2.66	2.66	<2.65	U	2.66	2.66	<2.65	U	2.66	2.66	<2.65	U	2.66	2.66	<2.65	U	2.66	2.66
RPR3-COMP Rep. 2	<5.39	U	2.70	5.39	<2.69	U	2.70	2.70	<2.69	U	2.70	2.70	<2.69	U	2.70	2.70	<2.69	U	2.70	2.70	<2.69	U	2.70	2.70	<2.69	U	2.70	2.70
RPR3-COMP Rep. 3	<5.35	U	2.68	5.35	<2.67	U	2.68	2.68	<2.67	U	2.68	2.68	<2.67	U	2.68	2.68	<2.67	U	2.68	2.68	<2.67	U	2.68	2.68	<2.67	U	2.68	2.68
RPR3-COMP Rep. 4	<5.37	U	2.69	5.38	<2.68	U	2.69	2.69	<2.68	U	2.69	2.69	<2.68	U	2.69	2.69	<2.68	U	2.69	2.69	<2.68	U	2.69	2.69	<2.68	U	2.69	2.69
RPR3-COMP Rep. 5	<5.33	U	2.67	5.34	<2.66	U	2.67	2.67	<2.66	U	2.67	2.67	<2.66	U	2.67	2.67	<2.66	U	2.67	2.67	<2.66	U	2.67	2.67	<2.66	U	2.67	2.67
RBC1-COMP Rep. 1	<5.34	U	2.67	5.35	<2.67	U	2.67	2.67	<2.67	U	2.67	2.67	<2.67	U	2.67	2.67	<2.67	U	2.67	2.67	3.27	--	2.67	2.67	<2.67	U	2.67	2.67
RBC1-COMP Rep. 2	<5.24	U	2.62	5.24	<2.62	U	2.62	2.62	<2.62	U	2.62	2.62	<2.62	U	2.62	2.62	<2.62	U	2.62	2.62	4.06	--	2.62	2.62	<2.62	U	2.62	2.62
RBC1-COMP Rep. 3	<5.22	U	2.61	5.23	<2.61	U	2.61	2.61	<2.61	U	2.61	2.61	<2.61	U	2.61	2.61	<2.61	U	2.61	2.61	3.52	--	2.61	2.61	<2.61	U	2.61	2.61
RBC1-COMP Rep. 4	<5.45	U	2.73	5.46	<2.72	U	2.73	2.73	<2.72	U	2.73	2.73	<2.72	U	2.73	2.73	<2.72	U	2.73	2.73	2.86	--	2.73	2.73	<2.72	U	2.73	2.73
RBC1-COMP Rep. 5	<5.27	U	2.64	5.28	<2.63	U	2.64	2.64	<2.63	U	2.64	2.64	<2.63	U	2.64	2.64	<2.63	U	2.64	2.64	3.16	--	2.64	2.64	<2.63	U	2.64	2.64
RPR4-COMP Rep. 1	<5.40	U	2.70	5.40	4.72	--	2.70	2.70	3.10	--	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	3.64	--	2.70	2.70	<2.70	U	2.70	2.70
RPR4-COMP Rep. 2	<5.17	U	2.59	5.18	3.75	--	2.59	2.59	2.71	--	2.59	2.59	<2.58	U	2.59	2.59	<2.58	U	2.59	2.59	3.23	--	2.59	2.59	<2.58	U	2.59	2.59
RPR4-COMP Rep. 3	<5.42	U	2.71	5.43	2.78	--	2.71	2.71	<2.71	U	2.71	2.71	<2.71	U	2.71	2.71	<2.71	U	2.71	2.71	2.91	--	2.71	2.71	<2.71	U	2.71	2.71
RPR4-COMP Rep. 4	<5.25	U	2.63	5.25	3.21	--	2.63	2.63	<2.62	U	2.63	2.63	<2.62	U	2.63	2.63	<2.62	U	2.63	2.63	3.08	--	2.63	2.63	<2.62	U	2.63	2.63
RPR4-COMP Rep. 5	<5.35	U	2.68	5.36	4.08	--	2.68	2.68	3.01	--	2.68	2.68	<2.67	U	2.68	2.68	<2.67	U	2.68	2.68	3.68	--	2.68	2.68	<2.67	U	2.68	2.68
RPR5-COMP Rep. 1	<5.43	U	2.72	5.44	<2.71	U	2.72	2.72	<2.71	U	2.72	2.72	<2.71	U	2.72	2.72	<2.71	U	2.72	2.72	2.92	--	2.72	2.72	<2.71	U	2.72	2.72
RPR5-COMP Rep. 2	<5.26	U	2.63	5.26	<2.63	U	2.63	2.63	<2.63	U	2.63	2.63	<2.63	U	2.63	2.63	<2.63	U	2.63	2.63	<2.63	U	2.63	2.63	<2.63	U	2.63	2.63
RPR5-COMP Rep. 3	<5.49	U	2.75	5.50	<2.74	U	2.75	2.75	<2.74	U	2.75	2.75	<2.74	U	2.75	2.75	<2.74	U	2.75	2.75	3.23	--	2.75	2.75	<2.74	U	2.75	2.75
RPR5-COMP Rep. 4	<5.46	U	2.73	5.46	<2.73	U	2.73	2.73	<2.73	U	2.73	2.73	<2.73	U	2.73	2.73	<2.73	U	2.73	2.73	2.80	--	2.73	2.73	<2.73	U	2.73	2.73
RPR5-COMP Rep. 5	<5.46	U	2.73	5.46	<2.73	U	2.73	2.73	<2.73	U	2.73	2.73	<2.73	U	2.73	2.73	<2.73	U	2.73	2.73	3.27	--	2.73	2.73	<2.73	U	2.73	2.73
SJH20-REF Rep. 1	<5.69	U	2.84	5.69	<2.84	U	2.84	2.84	<2.84	U	2.84	2.84	<2.84	U	2.84	2.84	<2.84	U	2.84	2.84	<2.84	U	2.84	2.84	<2.84	U	2.84	2.84
SJH20-REF Rep. 2	<5.41	U	2.70	5.41	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70
SJH20-REF Rep. 3	<5.41	U	2.70	5.41	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70
SJH20-REF Rep. 4	<5.43	U	2.72	5.43	<2.72	U	2.72	2.72	<2.72	U	2.72	2.72	<2.72	U	2.72	2.72	<2.72	U	2.72	2.72	<2.72	U	2.72	2.72	<2.72	U	2.72	2.72
SJH20-REF Rep. 5	<5.20	U	2.60	5.2	<2.60	U	2.60	2.60	<2.60	U	2.60	2.60	<2.60	U	2.60	2.60	<2.60	U	2.60	2.60	<2.60	U	2.60	2.60	<2.60	U	2.60	2.60
Pre-exposure Rep. 1	<5.10	U	2.55	5.10	<2.55	U	2.55	2.55	<2.55	U	2.55	2.55	<2.55	U	2.55	2.55	<2.55	U	2.55	2.55	<2.55	U	2.55	2.55	<2.55	U	2.55	2.55
Pre-exposure Rep. 2	<5.16	U	2.58	5.16	<2.58	U	2.58	2.58	<2.58	U	2.58	2.58	<2.58	U	2.58	2.58	<2.58	U	2.58	2.58	<2.58	U	2.58	2.58	<2.58	U	2.58	2.58
Pre-exposure Rep. 3	<5.38	U	2.69	5.38	<2.69	U	2.69	2.69	<2.69	U	2.69	2.69	<2.69	U	2.69	2.69	<2.69	U	2.69	2.69	<2.69	U	2.69	2.69	<2.69	U	2.69	2.69

TABLE 31
Analytical Results for Dry Weight PCBs in *Alitta virens* Tissues

Analyte:	PCB 87				PCB 101				PCB 105				PCB 118				PCB 128				PCB 138				PCB 153			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	<2.69	U	2.70	2.70	4.85	--	2.70	2.70	<2.69	U	2.70	2.70	<2.69	U	2.70	2.70	<2.69	U	2.70	2.70	9.51	--	2.70	2.70	15.3	--	2.70	2.70
RPR1-COMP Rep. 2	<2.62	U	2.62	2.62	4.19	--	2.62	2.62	<2.62	U	2.62	2.62	<2.62	U	2.62	2.62	<2.62	U	2.62	2.62	8.13	--	2.62	2.62	13.3	--	2.62	2.62
RPR1-COMP Rep. 3	<2.70	U	2.70	2.70	3.31	--	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	6.82	--	2.70	2.70	9.93	--	2.70	2.70
RPR1-COMP Rep. 4	<2.70	U	2.70	2.70	4.52	--	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	9.31	--	2.70	2.70	12.6	--	2.70	2.70
RPR1-COMP Rep. 5	<2.68	U	2.68	2.68	3.62	--	2.68	2.68	<2.68	U	2.68	2.68	<2.68	U	2.68	2.68	<2.68	U	2.68	2.68	7.78	--	2.68	2.68	10.6	--	2.68	2.68
RPR2-COMP Rep. 1	<2.60	U	2.61	2.61	6.77	--	2.61	2.61	<2.60	U	2.61	2.61	2.86	--	2.61	2.61	<2.60	U	2.61	2.61	11.1	--	2.61	2.61	15.5	--	2.61	2.61
RPR2-COMP Rep. 2	<2.66	U	2.67	2.67	5.60	--	2.67	2.67	<2.66	U	2.67	2.67	<2.66	U	2.67	2.67	<2.66	U	2.67	2.67	9.53	--	2.67	2.67	14.5	--	2.67	2.67
RPR2-COMP Rep. 3	<2.63	U	2.64	2.64	5.27	--	2.64	2.64	<2.63	U	2.64	2.64	<2.63	U	2.64	2.64	<2.63	U	2.64	2.64	7.77	--	2.64	2.64	11.8	--	2.64	2.64
RPR2-COMP Rep. 4	<2.62	U	2.63	2.63	6.76	--	2.63	2.63	<2.62	U	2.63	2.63	<2.62	U	2.63	2.63	<2.62	U	2.63	2.63	9.52	--	2.63	2.63	14.7	--	2.63	2.63
RPR2-COMP Rep. 5	<2.53	U	2.54	2.54	5.39	--	2.54	2.54	<2.53	U	2.54	2.54	<2.53	U	2.54	2.54	<2.53	U	2.54	2.54	8.81	--	2.54	2.54	12.2	--	2.54	2.54
RPR3-COMP Rep. 1	<2.65	U	2.66	2.66	<2.65	U	2.66	2.66	<2.65	U	2.66	2.66	<2.65	U	2.66	2.66	<2.65	U	2.66	2.66	5.51	--	2.66	2.66	7.77	--	2.66	2.66
RPR3-COMP Rep. 2	<2.69	U	2.70	2.70	<2.69	U	2.70	2.70	<2.69	U	2.70	2.70	<2.69	U	2.70	2.70	<2.69	U	2.70	2.70	6.06	--	2.70	2.70	9.77	--	2.70	2.70
RPR3-COMP Rep. 3	<2.67	U	2.68	2.68	<2.67	U	2.68	2.68	<2.67	U	2.68	2.68	<2.67	U	2.68	2.68	<2.67	U	2.68	2.68	4.55	--	2.68	2.68	7.29	--	2.68	2.68
RPR3-COMP Rep. 4	<2.68	U	2.69	2.69	<2.68	U	2.69	2.69	<2.68	U	2.69	2.69	<2.68	U	2.69	2.69	<2.68	U	2.69	2.69	4.36	--	2.69	2.69	6.92	--	2.69	2.69
RPR3-COMP Rep. 5	<2.66	U	2.67	2.67	<2.66	U	2.67	2.67	<2.66	U	2.67	2.67	<2.66	U	2.67	2.67	<2.66	U	2.67	2.67	5.07	--	2.67	2.67	8.00	--	2.67	2.67
RBC1-COMP Rep. 1	<2.67	U	2.67	2.67	6.08	J	2.67	2.67	<2.67	U	2.67	2.67	<2.67	U	2.67	2.67	<2.67	U	2.67	2.67	5.94	--	2.67	2.67	8.48	--	2.67	2.67
RBC1-COMP Rep. 2	<2.62	U	2.62	2.62	8.12	J	2.62	2.62	<2.62	U	2.62	2.62	<2.62	U	2.62	2.62	<2.62	U	2.62	2.62	8.78	--	2.62	2.62	12.7	--	2.62	2.62
RBC1-COMP Rep. 3	<2.61	U	2.61	2.61	6.66	J	2.61	2.61	<2.61	U	2.61	2.61	<2.61	U	2.61	2.61	<2.61	U	2.61	2.61	6.40	--	2.61	2.61	9.54	--	2.61	2.61
RBC1-COMP Rep. 4	<2.72	U	2.73	2.73	5.18	J	2.73	2.73	<2.72	U	2.73	2.73	<2.72	U	2.73	2.73	<2.72	U	2.73	2.73	5.38	--	2.73	2.73	7.91	--	2.73	2.73
RBC1-COMP Rep. 5	<2.63	U	2.64	2.64	5.73	J	2.64	2.64	<2.63	U	2.64	2.64	<2.63	U	2.64	2.64	<2.63	U	2.64	2.64	5.60	--	2.64	2.64	8.17	--	2.64	2.64
RPR4-COMP Rep. 1	<2.70	U	2.70	2.70	3.17	--	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	7.90	--	2.70	2.70	11.4	--	2.70	2.70
RPR4-COMP Rep. 2	<2.58	U	2.59	2.59	2.58	--	2.59	2.59	<2.58	U	2.59	2.59	<2.58	U	2.59	2.59	<2.58	U	2.59	2.59	5.43	--	2.59	2.59	7.50	--	2.59	2.59
RPR4-COMP Rep. 3	<2.71	U	2.71	2.71	<2.71	U	2.71	2.71	<2.71	U	2.71	2.71	<2.71	U	2.71	2.71	<2.71	U	2.71	2.71	5.97	--	2.71	2.71	8.75	--	2.71	2.71
RPR4-COMP Rep. 4	<2.62	U	2.63	2.63	<2.62	U	2.63	2.63	<2.62	U	2.63	2.63	<2.62	U	2.63	2.63	<2.62	U	2.63	2.63	5.31	--	2.63	2.63	7.09	--	2.63	2.63
RPR4-COMP Rep. 5	<2.67	U	2.68	2.68	3.01	--	2.68	2.68	<2.67	U	2.68	2.68	<2.67	U	2.68	2.68	<2.67	U	2.68	2.68	7.83	--	2.68	2.68	12.3	--	2.68	2.68
RPR5-COMP Rep. 1	<2.71	U	2.72	2.72	3.05	--	2.72	2.72	<2.71	U	2.72	2.72	<2.71	U	2.72	2.72	<2.71	U	2.72	2.72	5.98	--	2.72	2.72	8.97	--	2.72	2.72
RPR5-COMP Rep. 2	<2.63	U	2.63	2.63	<2.63	U	2.63	2.63	<2.63	U	2.63	2.63	<2.63	U	2.63	2.63	<2.63	U	2.63	2.63	4.67	--	2.63	2.63	7.43	--	2.63	2.63
RPR5-COMP Rep. 3	<2.74	U	2.75	2.75	2.88	--	2.75	2.75	<2.74	U	2.75	2.75	<2.74	U	2.75	2.75	<2.74	U	2.75	2.75	6.80	--	2.75	2.75	9.96	--	2.75	2.75
RPR5-COMP Rep. 4	<2.73	U	2.73	2.73	3.07	--	2.73	2.73	<2.73	U	2.73	2.73	<2.73	U	2.73	2.73	<2.73	U	2.73	2.73	6.28	--	2.73	2.73	9.08	--	2.73	2.73
RPR5-COMP Rep. 5	<2.73	U	2.73	2.73	3.41	--	2.73	2.73	<2.73	U	2.73	2.73	<2.73	U	2.73	2.73	<2.73	U	2.73	2.73	5.73	--	2.73	2.73	7.84	--	2.73	2.73
SJH20-REF Rep. 1	<2.84	U	2.84	2.84	<2.84	U	2.84	2.84	<2.84	U	2.84	2.84	<2.84	U	2.84	2.84	<2.84	U	2.84	2.84	8.82	--	2.84	2.84	14.8	--	2.84	2.84
SJH20-REF Rep. 2	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	8.59	--	2.70	2.70	13.5	--	2.70	2.70
SJH20-REF Rep. 3	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	7.57	--	2.70	2.70	11.3	--	2.70	2.70
SJH20-REF Rep. 4	<2.72	U	2.72	2.72	<2.72	U	2.72	2.72	<2.72	U	2.72	2.72	<2.72	U	2.72	2.72	<2.72	U	2.72	2.72	6.52	--	2.72	2.72	11.3	--	2.72	2.72
SJH20-REF Rep. 5	<2.60	U	2.60	2.60	<2.60	U	2.60	2.60	<2.60	U	2.60	2.60	<2.60	U	2.60	2.60	<2.60	U	2.60	2.60	7.54	--	2.60	2.60	12.7	--	2.60	2.60
Pre-exposure Rep. 1	<2.55	U	2.55	2.55	<2.55	U	2.55	2.55	<2.55	U	2.55	2.55	<2.55	U	2.55	2.55	<2.55	U	2.55	2.55	5.8	--	2.55	2.55	9.44	--	2.55	2.55
Pre-exposure Rep. 2	<2.58	U	2.58	2.58	<2.58	U	2.58	2.58	<2.58	U	2.58	2.58	<2.58	U	2.58	2.58	<2.58	U	2.58	2.58	6.33	--	2.58	2.58	9.81	--	2.58	2.58
Pre-exposure Rep. 3	<2.69	U	2.69	2.69	<2.69	U	2.69	2.69	<2.69	U	2.69	2.69	<2.69	U	2.69	2.69	<2.69	U	2.69	2.69	5.51	--	2.69	2.69	7.94	--	2.69	2.69

TABLE 31
Analytical Results for Dry Weight PCBs in *Alitta virens* Tissues

Analyte:	PCB 170				PCB 180				PCB 183				PCB 184				PCB 187				PCB 195				PCB 206				PCB 209			
Sample-Replicate #	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL	Result µg/kg	Qualifier	MDL	MRL
RPR1-COMP Rep. 1	2.83	--	2.70	2.70	6.07	--	2.70	2.70	<2.69	U	2.70	2.70	<2.69	U	2.70	2.70	5.73	--	2.70	2.70	<2.69	U	2.70	2.70	<2.69	U	2.70	2.70	<2.69	U	2.70	2.70
RPR1-COMP Rep. 2	<2.62	U	2.62	2.62	4.32	--	2.62	2.62	<2.62	U	2.62	2.62	<2.62	U	2.62	2.62	4.98	--	2.62	2.62	<2.62	U	2.62	2.62	<2.62	U	2.62	2.62	<2.62	U	2.62	2.62
RPR1-COMP Rep. 3	<2.70	U	2.70	2.70	3.17	--	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	3.44	--	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70
RPR1-COMP Rep. 4	<2.70	U	2.70	2.70	4.05	--	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	4.99	--	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70
RPR1-COMP Rep. 5	<2.68	U	2.68	2.68	3.22	--	2.68	2.68	<2.68	U	2.68	2.68	<2.68	U	2.68	2.68	4.22	--	2.68	2.68	<2.68	U	2.68	2.68	<2.68	U	2.68	2.68	<2.68	U	2.68	2.68
RPR2-COMP Rep. 1	2.80	--	2.61	2.61	5.27	--	2.61	2.61	2.60	--	2.61	2.61	<2.60	U	2.61	2.61	5.79	--	2.61	2.61	<2.60	U	2.61	2.61	<2.60	U	2.61	2.61	<2.60	U	2.61	2.61
RPR2-COMP Rep. 2	<2.66	U	2.67	2.67	4.26	--	2.67	2.67	<2.66	U	2.67	2.67	<2.66	U	2.67	2.67	4.93	--	2.67	2.67	<2.66	U	2.67	2.67	<2.66	U	2.67	2.67	<2.66	U	2.67	2.67
RPR2-COMP Rep. 3	<2.63	U	2.64	2.64	5.07	J	2.64	2.64	<2.63	U	2.64	2.64	<2.63	U	2.64	2.64	4.08	--	2.64	2.64	<2.63	U	2.64	2.64	<2.63	U	2.64	2.64	<2.63	U	2.64	2.64
RPR2-COMP Rep. 4	<2.62	U	2.63	2.63	4.72	--	2.63	2.63	<2.62	U	2.63	2.63	<2.62	U	2.63	2.63	4.92	--	2.63	2.63	<2.62	U	2.63	2.63	<2.62	U	2.63	2.63	<2.62	U	2.63	2.63
RPR2-COMP Rep. 5	<2.53	U	2.54	2.54	3.48	--	2.54	2.54	<2.53	U	2.54	2.54	<2.53	U	2.54	2.54	4.44	--	2.54	2.54	<2.53	U	2.54	2.54	<2.53	U	2.54	2.54	<2.53	U	2.54	2.54
RPR3-COMP Rep. 1	<2.65	U	2.66	2.66	<2.65	U	2.66	2.66	<2.65	U	2.66	2.66	<2.65	U	2.66	2.66	3.12	--	2.66	2.66	<2.65	U	2.66	2.66	<2.65	U	2.66	2.66	<2.65	U	2.66	2.66
RPR3-COMP Rep. 2	<2.69	U	2.70	2.70	<2.69	U	2.70	2.70	<2.69	U	2.70	2.70	<2.69	U	2.70	2.70	3.50	--	2.70	2.70	<2.69	U	2.70	2.70	<2.69	U	2.70	2.70	<2.69	U	2.70	2.70
RPR3-COMP Rep. 3	<2.67	U	2.68	2.68	<2.67	U	2.68	2.68	<2.67	U	2.68	2.68	<2.67	U	2.68	2.68	3.01	--	2.68	2.68	<2.67	U	2.68	2.68	<2.67	U	2.68	2.68	<2.67	U	2.68	2.68
RPR3-COMP Rep. 4	<2.68	U	2.69	2.69	<2.68	U	2.69	2.69	<2.68	U	2.69	2.69	<2.68	U	2.69	2.69	<2.68	U	2.69	2.69	<2.68	U	2.69	2.69	<2.68	U	2.69	2.69	<2.68	U	2.69	2.69
RPR3-COMP Rep. 5	<2.66	U	2.67	2.67	<2.66	U	2.67	2.67	<2.66	U	2.67	2.67	<2.66	U	2.67	2.67	3.13	--	2.67	2.67	<2.66	U	2.67	2.67	<2.66	U	2.67	2.67	<2.66	U	2.67	2.67
RBC1-COMP Rep. 1	<2.67	U	2.67	2.67	<2.67	U	2.67	2.67	<2.67	U	2.67	2.67	<2.67	U	2.67	2.67	3.34	--	2.67	2.67	<2.67	U	2.67	2.67	<2.67	U	2.67	2.67	<2.67	U	2.67	2.67
RBC1-COMP Rep. 2	<2.62	U	2.62	2.62	3.40	--	2.62	2.62	<2.62	U	2.62	2.62	<2.62	U	2.62	2.62	4.45	--	2.62	2.62	<2.62	U	2.62	2.62	<2.62	U	2.62	2.62	<2.62	U	2.62	2.62
RBC1-COMP Rep. 3	<2.61	U	2.61	2.61	<2.61	U	2.61	2.61	<2.61	U	2.61	2.61	<2.61	U	2.61	2.61	3.39	--	2.61	2.61	<2.61	U	2.61	2.61	<2.61	U	2.61	2.61	<2.61	U	2.61	2.61
RBC1-COMP Rep. 4	<2.72	U	2.73	2.73	<2.72	U	2.73	2.73	<2.72	U	2.73	2.73	<2.72	U	2.73	2.73	3.00	--	2.73	2.73	<2.72	U	2.73	2.73	<2.72	U	2.73	2.73	<2.72	U	2.73	2.73
RBC1-COMP Rep. 5	<2.63	U	2.64	2.64	<2.63	U	2.64	2.64	<2.63	U	2.64	2.64	<2.63	U	2.64	2.64	2.96	--	2.64	2.64	<2.63	U	2.64	2.64	<2.63	U	2.64	2.64	<2.63	U	2.64	2.64
RPR4-COMP Rep. 1	<2.70	U	2.70	2.70	4.18	--	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	4.92	--	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70
RPR4-COMP Rep. 2	<2.58	U	2.59	2.59	<2.58	U	2.59	2.59	<2.58	U	2.59	2.59	<2.58	U	2.59	2.59	3.23	--	2.59	2.59	<2.58	U	2.59	2.59	<2.58	U	2.59	2.59	<2.58	U	2.59	2.59
RPR4-COMP Rep. 3	<2.71	U	2.71	2.71	<2.71	U	2.71	2.71	<2.71	U	2.71	2.71	<2.71	U	2.71	2.71	3.59	--	2.71	2.71	<2.71	U	2.71	2.71	<2.71	U	2.71	2.71	<2.71	U	2.71	2.71
RPR4-COMP Rep. 4	<2.62	U	2.63	2.63	<2.62	U	2.63	2.63	<2.62	U	2.63	2.63	<2.62	U	2.63	2.63	3.15	--	2.63	2.63	<2.62	U	2.63	2.63	<2.62	U	2.63	2.63	<2.62	U	2.63	2.63
RPR4-COMP Rep. 5	<2.67	U	2.68	2.68	3.48	--	2.68	2.68	<2.67	U	2.68	2.68	<2.67	U	2.68	2.68	3.95	--	2.68	2.68	<2.67	U	2.68	2.68	<2.67	U	2.68	2.68	<2.67	U	2.68	2.68
RPR5-COMP Rep. 1	<2.71	U	2.72	2.72	<2.71	U	2.72	2.72	<2.71	U	2.72	2.72	<2.71	U	2.72	2.72	3.67	--	2.72	2.72	<2.71	U	2.72	2.72	<2.71	U	2.72	2.72	<2.71	U	2.72	2.72
RPR5-COMP Rep. 2	<2.63	U	2.63	2.63	<2.63	U	2.63	2.63	<2.63	U	2.63	2.63	<2.63	U	2.63	2.63	3.02	--	2.63	2.63	<2.63	U	2.63	2.63	<2.63	U	2.63	2.63	<2.63	U	2.63	2.63
RPR5-COMP Rep. 3	<2.74	U	2.75	2.75	3.23	--	2.75	2.75	<2.74	U	2.75	2.75	<2.74	U	2.75	2.75	3.91	--	2.75	2.75	<2.74	U	2.75	2.75	<2.74	U	2.75	2.75	<2.74	U	2.75	2.75
RPR5-COMP Rep. 4	<2.73	U	2.73	2.73	<2.73	U	2.73	2.73	<2.73	U	2.73	2.73	<2.73	U	2.73	2.73	3.55	--	2.73	2.73	<2.73	U	2.73	2.73	<2.73	U	2.73	2.73	<2.73	U	2.73	2.73
RPR5-COMP Rep. 5	<2.73	U	2.73	2.73	<2.73	U	2.73	2.73	<2.73	U	2.73	2.73	<2.73	U	2.73	2.73	3.13	--	2.73	2.73	<2.73	U	2.73	2.73	<2.73	U	2.73	2.73	<2.73	U	2.73	2.73
SJH20-REF Rep. 1	<2.84	U	2.84	2.84	4.27	--	2.84	2.84	<2.84	U	2.84	2.84	<2.84	U	2.84	2.84	4.98	--	2.84	2.84	<2.84	U	2.84	2.84	<2.84	U	2.84	2.84	<2.84	U	2.84	2.84
SJH20-REF Rep. 2	<2.70	U	2.70	2.70	3.25	--	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	4.33	--	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70
SJH20-REF Rep. 3	<2.70	U	2.70	2.70	2.97	--	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	3.92	--	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70	<2.70	U	2.70	2.70
SJH20-REF Rep. 4	<2.72	U	2.72	2.72	2.79	--	2.72	2.72	<2.72	U	2.72	2.72	<2.72	U	2.72	2.72	3.8	--	2.72	2.72	<2.72	U	2.72	2.72	<2.72	U	2.72	2.72	<2.72	U	2.72	2.72
SJH20-REF Rep. 5	<2.60	U	2.60	2.60	3.44	--	2.60	2.60	<2.60	U	2.60	2.60	<2.60	U	2.60	2.60	4.29	--	2.60	2.60	<2.60	U	2.60	2.60	<2.60	U	2.60	2.60	<2.60	U	2.60	2.60
Pre-exposure Rep. 1	<2.55	U	2.55	2.55	2.81	--	2.55	2.55	<2.55	U	2.55	2.55	<2.55	U	2.55	2.55	3.32	--	2.55	2.55	<2.55	U	2.55	2.55	<2.55	U	2.55	2.55	<2.55	U	2.55	2.55
Pre-exposure Rep. 2	<2.58	U	2.58	2.58	3.03	--	2.58	2.58	<2.58	U	2.58	2.58	<2.58	U	2.58	2.58	3.49	--	2.58	2.58	<2.58	U	2.58	2.58	<2.58	U	2.58	2.58	<2.58	U	2.58	2.58
Pre-exposure Rep. 3	<2.69	U	2.69	2.69	<2.69	U	2.69	2.69	<2.69	U	2.69	2.69	<2.69	U	2.69	2.69	3.23	--	2.69	2.69	<2.69	U	2.69	2.69	<2.69	U	2.69	2.69	<2.69	U	2.69	2.69

Acronyms and qualifiers are defined at the front of the tables section.
< #.## = The analyte was not detected (U-qualified) at or above the MDL. The value indicates the MRL.

Sources: Analytical Resources, Inc.
Compiled by: ANAMAR Environmental Consulting, Inc.

NOTE:

Appendices are provided in electronic format only.

APPENDICES