Draft Remedial Investigation / Feasibility Study Work Plan

Macon Naval Ordnance Plant Superfund Site, Docket No-CERCLA-04-2018-3760

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Macon Naval Ordnance Plant Superfund Site, Docket No-CERCLA-04-2018-3760 Naval Ordnance Plant

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EXECUTIVE SUMMARY

On behalf of the Performing Respondents, Environmental Resources Management (ERM) has prepared this Remedial Investigation/Feasibility Study (RI/FS) Work Plan (hereinafter the "RI/FS Work Plan") to describe the overall technical approach of the RI/FS for the former Macon Naval Ordnance Plant (MNOP) located at 600 Guy Paine Road in Macon, Macon-Bibb County, Georgia. This RI/FS Work Plan is designed to satisfy requirements as detailed in the Administrative Settlement Agreement and Order on Consent for Remedial Investigation/Feasibility Study dated September 18, 2018.

The RI/FS is designed to achieve the following objectives:

- Identify / confirm contaminants of potential concern (COPCs) at the Site and their source(s);
- Determine the nature and extent of Site-related COPCs in environmental media (soil, groundwater, surface water and sediment) at the Site;
- Understand the fate and transport of COPCs in environmental media at the Site;
- Identify exposure pathways (considering both current and potential future land use);
- Evaluate current and potential future human health and ecological risks posed by the COPCs present at the Site; and
- Conduct an evaluation of remedial alternatives for the Site, including performance of treatability studies, where necessary.

This RI/FS Work Plan provides an overview of pertinent background information, an evaluation of existing data for the Site, including a presentation of a preliminary Conceptual Site Model (CSM), the identification of data needs to support the risk assessment and evaluation of remedial alternatives, and a scope of work, schedule and an overview of deliverables designed to address the identified data needs. The RI/FS Work Plan also describes the framework and approach for conducting a baseline risk assessment and feasibility study.

The RI/FS will be conducted in a phased approach to achieve the objectives outlined above. The Phase I Site Characterization will begin with detailed Site reconnaissance, rehabilitation of the aged well network and a comprehensive groundwater sampling of the existing site monitor wells and select water supply wells, conducting a soil-gas-survey followed by focused direct push technology (DPT) soil and groundwater sampling and a vapor intrusion (VI) screening assessment. Additionally, shallow soil samples will be collected in several discrete areas of the site including around 5 former solvent storage sheds. The proposed Phase I Site Characterization sampling locations are described in detail in Section 6. Phase II will be a focused effort to install and sample groundwater monitoring locations, as appropriate, based on the conditions of the existing monitoring well network and limited investigation to address remaining data gaps.

The results of the above activities will be evaluated and presented in the Site Characterization Summary Report. This will include: presentation and discussion of all Phase I Site Characterization results, an update of the preliminary CSM, and identification of the data needs that remain, if any.

1. INTRODUCTION

ERM has prepared this Remedial Investigation (RI) and Feasibility Study (FS) Work Plan for the Macon Naval Ordnance Plant Site (the "Site"), on behalf of the performing respondents identified in the *Administrative Settlement Agreement and Order on Consent for Remedial Investigation/Feasibility Study* (Settlement Agreement) dated September 2018. The RI/FS Work Plan incorporates data previously obtained for the Site, and data obtained for Operable Units One and Two of the adjacent Armstrong World Industries Site (AWI Site). The RI/FS Work Plan was prepared in accordance with the following:

- Site Settlement Agreement;
- *Statement of Work for a Remedial Investigation, Feasibility Study and Baseline Risk Assessment at the Macon Naval Ordnance Plant Superfund Site* (SOW);
- Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), as amended;
- National Oil and Hazardous Substances Pollution Contingency Plan (NCP) (40 C.F.R. Part 300), as amended, and
- Requirements and guidance for RI/FS and risk assessment studies and reports, including *Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA* (EPA/540/G-89/004, October 1988) (RI/FS Guidance), *Risk Assessment Guidance for Superfund(RAGS): Volume I-Human Health Evaluation Manual (Part A), Interim Final* (December 1989), *RAGS: Volume II-Environmental Evaluation Manual, Interim Final* (March 1989).

The RI/FS Work Plan provides an overview of background information, site layout, physical setting, operational history and the scope and results of previous investigation and cleanup activities as well as a preliminary evaluation of constituents of potential concern (COPCs), and human health and ecological risk at the site. This RI/FS Work Plan is being submitted to the U.S. Environmental Protection Agency (EPA) and Georgia Environmental Protection Division (EPD) for their review, comment, and approval prior to implementing the work proposed herein.

The RI/FS Work Plan also incorporates by reference accompanying project operation plans. A Sampling and Analysis Plan has been prepared and consists of two parts:

1) a Field Sampling Plan (FSP) that provides guidance for all field work by defining the sampling and data collection methods and procedures to be used;

2) a Quality Assurance Project Plan (QAPP) that describes the policy, organizational structure, activities and quality assurance and quality control procedures that will be followed to achieve project data quality objectives.

A project Health and Safety Plan (HASP) that includes a health and safety risk analysis, a description of monitoring and personal protective equipment, and site control has also been prepared.

The approach and work for the Phase I RI activities at the Site will be coordinated with similar RI efforts for the adjacent Armstrong World Industries Superfund Site (AWI Site) OU2 so results of each effort are consistent and can be universally applied to both sites.

1.1 Study Area Background / Site History

The Site is located at 600 Guy Paine Road in Macon, Bibb County, Georgia. The Site location is shown in Figure 1. The Site is bounded to the north by Guy Paine Road, to the east by Mead Road and the abandoned Central of Georgia railroad tracks, to the southeast by the City of Macon Water Authority (MWA) Rocky Creek Water Reclamation Facility, to the south by the AWI Site OU2 and Rocky Creek, and

to the west by the AWI Site OU1 and the existing AWI production facility. A general layout of the Site and surrounding properties is shown on Figure 2.

Current land use in the area is primarily industrial and commercial. Many of the buildings and infrastructure at the Site were originally part of the MNOP property. The total current area of the Site is approximately 254 acres, but the facility historically included additional areas (such as portions of AWI Site OU2), with a maximum extent of approximately 433 acres.

The U.S. Navy acquired the property for a portion of the Site in 1941, followed by additional purchases in 1948 and 1960. Portions of the facilities were constructed by Reynolds Corporation on behalf of the United States Navy beginning in 1941. Reynolds Corporation produced munitions at the MNOP under contract with and on behalf of the U.S. Navy until 1945. The Navy, under the U.S. Department of Defense, assumed operations in 1945 and continued to assemble or manufacture ordnance until 1965. Production operations included manufacturing of metal parts, their assembly and explosive loading to produce ammunition components for the armed services, including flares, small primers, detonators and other triggering mechanisms. Production facilities included laboratories, storage sheds, production sheds and maintenance shops. Prior to 1947, operations at the Site primarily involved assembly and loading of ordnance. Machining and manufacturing of ordnance components was conducted at the Milledgeville, Georgia ordnance plant and shipped to the Site for assembly. In 1947, the Navy closed the Milledgeville, Georgia and consolidated the machining and manufacturing operations with their operations at the Site. After 1958, production shifted to astronautic, missile and rocket components, anti-submarine warfare (ASW) devices and expendable ordnance components. Machining operations included screw machines, turret lathes, milling machines, shapers, planers, jib borers, heat treat ovens, die casting facilities, and two metal plating lines. Raw materials would enter the Site from the southeast rail spur off the Central of Georgia rail line spur. Materials would proceed to the manufacturing area of Building 5, or to various blending/weighing areas (Buildings 38-41). Drying buildings (Buildings 55-60) or testing laboratories (such as Building 7-B) might receive raw as well as finished products. Finished products would proceed to Buildings 106 through 109 for assembly or to other storage areas within Building 5 or 105. After assembly, finished products were staged in out-bunkers or Building 198 (from approximately 1964 to 1980). Shipment off-site typically occurred through the northwest rail spur on the north side of Buildings 5 and 105. Solvents were stored in buildings 99, 175, and 190-193. Oil recovery operations occurred at a building on the top of a small hill or slope on the northwest side of the Site. Discharge from the operation was to a concrete sump, which then drained to the base of the slope onto a broad, flat-lying area. Previous interviews conducted with site personnel indicated soil from this area was reportedly removed historically to address prior discharges, but no information on timing or quantities was available (ESE, 1990).

Support operations included housing, administration, two powerhouses, water supply and wastewater and service buildings to the north of the Site. A Tuscaloosa formation water supply well (or on-Site supply well) is present at the Site, south of Building 5-B, but it is no longer in use. Four 15,000-gallon fuel oil aboveground storage tanks (ASTs, two at each powerhouse), a 4,000-gallon mineral spirits UST, a 12,000-gallon cutting oil UST as well as a 2,000-gallon gasoline underground storage tank (UST), a 5,600-gallon diesel fuel UST and a 250-gallon kerosene UST were also in use at the site. A wastewater treatment plant (WWTP) received sanitary wastewater from the Site through the early 1970s. The wastewater plant consisted of a grit chamber, digester, primary and secondary sedimentation tanks, sludge beds and a trickling filter. Treated effluent was discharged to the low-lying area and ditch along the eastern margins of the site. Historic drawings (Stevens and Wilkinson, 1957) and interviews (RUST, 1997) indicate that prior to 1973, plating effluent was drained to the storm sewer system, possibly including trichloroethene (TCE) that used to clean the metal parts prior to plating (see Figure 3). The storm water conveyance system directly discharged through a 24” concrete spillway at the ditch along the

western Site boundary. After 1974, site sewers were re-routed to convey wastewater off-site to the municipal sanitary sewer system.

The facility was declared surplus by the Navy, and the property was sold in December 1965 to the Maxson Electronics Company (Maxson) of New York. Maxson continued to produce ordnance under contract with the Navy until it sold the property to Allied Chemical Corporation (Allied) in 1973. Allied manufactured automobile seat belts at the Site and made beneficial use of all or nearly all the buildings, USTs/ASTs, and utilities. Allied activities involved chrome plating, but the wastewater from this operation was treated using a Chevron Precipitator, with the sludges reportedly disposed off-site, and clarified effluent discharged to the sanitary sewer (RUST, 1997).

Allied sold the property in 1980 to the Macon-Bibb County Industrial Authority (MBCIA), which renamed the property the Allied Industrial Park (AIP). MBCIA currently leases or sells buildings as office and warehouse space to various industrial and commercial businesses on the Site property. Industries that currently lease or own parcels at the Site are listed in Table 1. Each of the businesses involves warehousing, distribution and/or manufacturing.

More recently, in August of 2011 a complaint was filed with Georgia EPD alleging a diesel fuel spill was ongoing for approximately six months at the Gray Brothers Tree Service property due to improperly maintained equipment and vehicles on the property leaking diesel fuel, hydraulic fluid and motor oil. As of October 2012, all violations have been corrected by removal of affected soils (ERIS, December 2018).

During construction of a small portion of the Texbond facility in late 2016/early 2017, subsurface soils excavated from footings were re-located on-site and used as fill on the vacant area west of the current Texbond facility by spreading the soils over the surface and re-establishing vegetation.

On 6/28/2018, a fire occurred at the GS Materials LLC facility, located at 490 Guy Paine Rd (along the northern perimeter of the facility). The fire was extinguished, but was reported to have had the potential to release acetone and thyrine (ERIS, December 2018). Debris remaining after the fire were in process of being removed in early 2019, and additional investigation may be required by the owners once the debris has been removed.

An overview of the historic and current buildings at the Site is shown in Figure 4. Several original structures formerly used for housing, and a few of the production buildings and warehouses have since been demolished. A number of additional structures were also added to the site after 1980 (mainly south of Allied Industrial Drive). Structures at the Site include numerous buildings, several miles of paved roads, and site use currently is industrial manufacturing and commercial operations. Potentially sensitive receptors or human populations nearby the Site are indicated on Figure 5. Seventeen (17) water supply wells (summarized below), nearby water bodies, wetlands, and one emergency response facility were identified within a one-mile radius of the Site. Water supply wells located or downgradient of the Site include the inactive on-Site supply well, immediately downgradient of Building 5, Armstrong Production well AWL-06, and GHW-01, located at the cement plant in the southeast corner of the facility. An additional supply well for a mobile home park is located nearly two miles south of the site, beyond both Rocky Creek and Tobesofkee Creek.

Nearby Water Supply Wells

USGS ID	Well ID	Total Depth	Use
16W024	Armstrong #5	243	Industrial
16W025	Armstrong #4A	240	Industrial
16W026	Armstrong #7	210	Industrial
16W028	Armstrong #3 (abandoned)	N/G	Industrial

16W020	Armstrong #3A	256	Industrial
16W023	Armstrong #6	260	Industrial
16W019	Armstrong #1A	238	Industrial
16W005	Armstrong #4 (abandoned)	285	Industrial
16W009	Keebler 16W009	300	Industrial
16W008	Keebler #1	N/G	Industrial
16W018	Riverwood – Kraft #1	244	Industrial
16W007	Riverwood – Kraft #2	183	Industrial
16W027	Riverwood – Kraft #3	290	Industrial
GA0210016	Riverwood Well	N/G	Industrial
16W033	16W033	N/G	Industrial

1.2 Previous Investigation Activities

A number of investigation activities have been ongoing at the Site from 1989 through 2016, with sample locations and target analytes selected based on historic operations. The data and findings from each of these previous studies has been compiled and used to screen environmental media at the Site and to develop a preliminary conceptual site model (CSM). Each of the previous investigations are summarized in this sections. Although the most conservative screening process identifies a wide variety of COPCs, prior investigations described below identified TCE in groundwater as the primary concern.

The results of each of these investigations has been considered in the context of historic, current and future Site use in formulation of the preliminary list of COPCs for the Site, listed in Table 2. COPCs were retained from the analytes each environmental media were previously tested for if they exceeded relevant screening levels (discussed in Section 4.2 for human health and Section 4.3.2 for ecological screening).

1.2.1 Preliminary Assessments (1989, 1990, and 1991)

In 1989, an environmental assessment was conducted by Beaver Engineering. Four composite soil samples with each consisting of eight grab samples were collected. Analytical results revealed the presence of various metals, methylene chloride, bis-(2-ethylhexyl) phthalate, and chloroform.

In 1990, Environmental Science and Engineering, Inc. (ESE) advanced two shallow boreholes in a drainage area that was used for oil recovery during MNOP operations prior to 1973. One composite soil sample and one duplicate soil sample were collected. Analytical results for soil samples revealed the presence of arsenic, cadmium, chromium, lead, pentaerythritol tetranitrate (PETN), and petroleum hydrocarbons. PETN is an explosive most commonly used in detonating fuses, boosters, priming compositions, blasting caps, and detonators, which is consistent with the historic ordnance manufacturing. (ESE, 1990)

In 1991, Westinghouse Environmental and Geotechnical Services, Inc. (WEGS) conducted a preliminary environmental investigation. During the investigation, WEGS collected four groundwater samples near storm water drainage outfalls. Analytical results revealed the presence of chromium, lead, and trichloroethene (TCE). (Westinghouse, 1991)

1.2.2 Site Investigation – Allied Industrial Park (1996)

In 1996, RUST Environment and Infrastructure Inc. (RUST), under contract with the Savannah District of the U.S. Army Corps of Engineers (USACE), conducted an investigation at the Site. Soil, groundwater, surface water, and sediment samples were collected from potential source areas. These areas included storm water drainage outfalls, the WWTP, metal plating facilities, electric transformer buildings, areas of explosives handling and storage, and the USTs and ASTs.

Analytical results for soil samples indicated energetics 2,4-dinitrotoluene and nitrobenzene were not detected in any of the 67 surface soil samples. 2,4-dinitrotoluene and nitrobenzene were detected in one out of 86 subsurface samples (ISL-043), an order of magnitude below the current Industrial RSL. Soil samples also identified the presence of cadmium, chromium, lead, cis-1,2-dichloroethene (cDCE), trans-1,2-dichloroethene (tDCE), tetrachloroethene (PCE), and TCE. TCE was detected at the highest concentrations in samples collected from near the former WWTP and metal plating facility. (RUST, 1997)

Analytical results for groundwater samples revealed that energetics 2,4-dinitrotoluene and nitrobenzene were not detected in any of the 24 samples analyzed for these constituents. The presence of cadmium, chromium, lead, cDCE, tDCE, TCE, and vinyl chloride (VC) was identified in groundwater samples. (RUST, 1997) Surface water and sediment samples were collected from a flowing stream at the northeastern corner of the Site and a drainage swale located at the northwestern corner of the Site. These locations were selected to identify possible impacts entering the Site from upgradient, off-site sources. Analytical results for surface water and sediment samples indicated the presence of beryllium, cadmium, chromium, lead, mercury, toluene, para-cymene, and 4-methylphenol, among other constituents to a lesser extent. RUST concluded that surface water and sediment contained in the drainage feature entering the site from the northeast and northwest corners may be contributing contaminants to the Site. The distribution of soil samples from this investigation is shown in Figure 7. Groundwater sample locations are shown in Figure 8, and Surface water and sediment locations are shown in Figure 9. A summary of the analytical results for soil, sediment, surface water and groundwater samples from this investigation are provided in Appendix A through D, respectively.

1.2.3 Compliance Status Investigation (1998 to 2000)

Science Applications International Corporation (SAIC), on behalf of the USACE Savannah District, conducted a Georgia Hazardous Site Response Act (HSRA) compliance status investigation from 1998 to 2000. Surface and subsurface soil, groundwater, surface water, and sediment samples were collected during the investigation. SAIC analyzed samples only for those constituents that appeared to be risk drivers based on the analytical results from the 1996 RUST investigation; therefore, surface soil samples were analyzed only for volatile organic compounds (VOCs), with a select few surface soil locations analyzed for semivolatile organic compounds (SVOCs). No soil samples were analyzed for metals.

Analytical results of surface soil samples contained TCE and benzo(a)pyrene, among other compounds to a lesser extent. Analytical results for groundwater samples contained chromium, PCE, TCE, cDCE, and VC. TCE, cDCE, and VC are common biodegradation products of PCE. Sediment samples collected from the drainage feature located in the central portion of the Site, which exits the Site to the south and continues to Rocky Creek, contained arsenic, chromium, and lead. TCE was not detected in surface water and/or sediment samples collected along this drainage feature. The distribution of soil samples from this study is shown in Figures 10-13. Groundwater sample locations are shown in Figures 14 and 15, and Surface water and sediment locations are shown in Figure 16. A summary of the sample results are included in Appendix A through D.

1.2.4 Post-Test Groundwater Sampling (2004)

SAIC, on behalf of the USACE Savannah District, developed a pilot-scale alternatives assessment and implementation plan in 2003 to evaluate the use of Hydrogen Release Compound (HRC) as a remedial alternative to enhance the biodegradation of VOCs in groundwater underlying an area located along the western boundary of the Site. This evaluation consisted of a baseline groundwater sampling event before HRC was injected (see Figure 17 for sampling locations), injection of HRC into groundwater, and a series of three post-injection groundwater sampling events to ascertain the effect of HRC, if any, on VOCs in groundwater (see Figure 18 for post-injection monitoring locations).

The injection site was located immediately downgradient from the former MNOP WWTP drainage area, which is suspected to be a source of VOCs in groundwater. Based on the pilot study results, SAIC concluded that a non-aqueous phase liquid (NAPL) is the likely source of TCE in the western plume (SAIC, 2004). VOCs may be dissolving from the NAPL and migrating into groundwater, which may be masking the effects of potential enhanced TCE biodegradation that would result from the HRC within the immediate vicinity of the injection site. Furthermore, the configuration of the TCE plume suggests that preferential pathways are likely affecting the transport of VOCs. These preferential pathways are potentially paleochannel deposits from relict drainages.

1.2.5 Transition to Federal Oversight

After completion of the pilot study, the US Army Corp of Engineers (USACE) withdrew plans to investigate and remediate the site further under its Formerly Used Defense Site program due to the existence of other potentially responsible parties (EPA, 2013a). EPA became involved and they contracted with Tetra Tech EM Inc. Superfund Technical Assessment and Response Team (START) to conduct an expanded site inspection (ESI) of the Site to evaluate whether a site has the potential to be included on the National Priorities List (NPL).

1.2.6 Expanded Site inspection (2009)

At EPA's request, Tetra Tech collected surface soil, subsurface soil, groundwater, surface water, and sediment samples during the ESI conducted from May 11 to 20, 2009. Samples were submitted to EPA CLP laboratories for analysis of parameters on the EPA Target Analyte List (TAL), including metals and cyanide, in accordance with the EPA CLP Statement of Work (SOW) for Inorganic Analysis, Multi-Media Multi-Concentration. Samples were also submitted for analysis of parameters on the EPA Target Compound List (TCL), which includes VOCs, SVOCs, pesticides, and PCBs, and were analyzed in accordance with the EPA CLP SOW for Organics Analysis, Multi-Media, Multi-Concentration. Surface water samples collected from Rocky Creek and the drainage ditches were analyzed for total and dissolved TAL metals. In addition to TAL and TCL parameters, a number of samples were also submitted to a non-CLP laboratory and analyzed for energetic compounds in accordance with EPA Methods 8330A, 8331, and 314. The CLP and non-CLP analytical data packages were validated by the EPA Region 4 SESD, Office of Quality Assurance.

Surface and subsurface soil sample locations are shown in Figure 19. Pesticides, PCBs, and metals including DDD, DDE, DDT, alpha-chlordane, dieldrin, endrin, gamma-chlordane, methoxychlor, PCB-1260, arsenic, cadmium, lead, and mercury were detected in the soil samples.

Analytical results for groundwater samples indicated the presence of VOCs, including PCE, TCE, cDCE, tDCE, and VC. Groundwater sampling locations are shown in Figure 20. The highest concentrations of VOCs were detected in groundwater samples collected from the WWTP area.

Surface water and sediment sample locations are shown in Figure 21. Sediment samples collected from drainage ditches that receive runoff from the Site contained pesticides and metals including DDD, DDE,

DDT, alpha-chlordane, dieldrin, endrin, gamma-BHC (Lindane), gamma-chlordane, methoxychlor, cadmium, and mercury. PCBs were also detected in drainage ditches; however, they were only detected south of the Central of Georgia railroad spur and within the area of AWI Site OU2. Constituents were detected at the highest concentration in drainage ditch samples collected south of the Central of Georgia railroad spur. Analytical results for sediment samples collected from Rocky Creek indicated the presence of DDE, DDT, alpha-chlordane, cadmium, and mercury. Hazardous substances were detected at the highest concentrations in Rocky Creek samples collected downstream from AWI Site OU2, before the Rocky Creek Water Reclamation Facility. A summary of the analytical results are included in Appendix A through D.

1.2.7 Supplemental Sampling Event (2011)

Tetra Tech conducted supplemental sampling on June 29 and 30, 2011. Soil and sediment samples were collected at the locations shown in Figure 22 and Figure 23, respectively. Samples were analyzed by the EPA Region 4 SESD laboratory for total mercury using EPA Method 245.5.

1.2.8 National Priorities Listing (2013)

Based on the work performed by EPA contractors, and the work conducted previously by the USACE (EPA, 2013b), the EPA received a letter of support from Georgia EPD for placing the site on the National Priorities list, which was finalized on May 24, 2013.

1.2.9 Vapor Intrusion Investigations (2015 – 2016)

Previous investigations were conducted to assess the potential for vapor intrusion (VI) in select Site buildings, including limited collection of groundwater samples (see Figure 24). Beginning in February 2015, fifteen indoor air samples (plus one duplicate), three ambient air samples, and fourteen sub-slab soil gas samples (plus two duplicates) were collected from four Texbond Buildings and analyzed for VOCs by Method TO-15. Sample locations are shown on Figure 25. A report summarizing sampling activities was not readily available for review; however, the data were provided by EPA. One sub-slab soil gas sample result for TCE at location MNOP-19 in Texbond Building 1 detected a number of VOCs at relatively low concentrations and TCE identified at concentrations a few orders of magnitude above the other samples as shown in Table 3. Select constituents in indoor air are shown in Table 4, including TCE in Texbond Buildings 1 and 3. With the exception of TCE in Texbond Building 1, the remaining detections in indoor air were either associated with chemicals that were not detected in sub-slab soil gas, or were detected in sub-slab soil gas at concentrations similar to indoor air. When indoor air and sub-slab soil gas concentrations are similar, VI is not considered to be the source to indoor air.

In August 2015, the EPA Environmental Response Team (ERT) conducted a VI study at the Site. The VI study included industrial and commercial buildings shown on Figure 26. The purposes for the vapor intrusion study were to:

- provide data to characterize the presence of VOC impact (primarily TCE) at and around the Site;
- delineate the extent of the subsurface soil gas plume; and
- determine potential impacts to indoor air quality.

The scope of work for the VI study included the following:

- Installation and sampling of three permanent sub-slab soil gas probes. A total of five sub-slab air samples were collected using Tedlar® bags, and were analyzed in the ERT mobile laboratory using an Agilent gas chromatograph/mass spectrometer (GC/MS) for: TCE; tetrachloroethylene

(PCE); vinyl chloride (VC); 1,1-dichloroethene (1,1-DCE); cis-1,2-dichloroethene (cis-1,2-DCE); and trans-1,2-dichloroethene (trans-1,2-DCE).

- Real-time indoor air monitoring was conducted at 20 industrial/commercial buildings for the presence of TCE and PCE using the EPA Trace Atmospheric Gas Analyzer (TAGA) mass spectrometer/mass spectrometer (MS/MS).

Sub-slab analytical results are summarized below:

- PCE was detected in two samples collected from the southwest corner of Unit 2 at concentrations that ranged from 4.1 to 4.3 micrograms per cubic meter (µg/m3).
- No other analytes were detected at concentrations above their respective reporting limits.

The following list briefly summarizes the real-time air monitoring results:

- PCE was detected at a maximum concentration of 340 µg/m3 in Unit 20(Building 102) in a janitorial storage room. At the time of air monitoring activities, it was noted that the janitorial storage room contained a product called “Sheila Shine”, a commercially available stainless steel polish that contains PCE, based on the safety data sheet obtained from the manufacturer’s website.
- TCE was detected at a maximum concentration of 19 µg/m3 in Unit 6 (Building 5 - Damaste/SD Polymers) at a hole in the floor of Warehouse Seven and at the floor drain.

Based on the analytical results for samples collected by ERT as well as subsequent discussions between EPA and the facility owners/operators, various mitigation measures, including operating a temporary air purifying unit, sealing cracks and increasing air exchange rate in the building were conducted in Unit 6 (Building 5 - Damaste/SD Polymers) to increase ventilation and reduce the concentrations of contaminants.

Eight indoor air samples (plus a duplicate) were collected from four locations in Units 1 (Freudberg Texbond LP) and 6 (Building 5 – Damaste / SD Polymers) in December 2015, two indoor air samples (plus a duplicate) from one location in Unit 6 (Building 5 – Damaste/SD Polymers) in March 2016 to demonstrate the effectiveness of a temporary air purifying unit and other mitigation measures and four indoor air samples (plus two duplicates) from one location in Unit 6 (Building 5 – Damaste / SD Polymers) in May 2016 while the air purifying unit was in operation on a setting of high. Air samples were submitted to Katahdin Analytical Services (Scarborough, Maine) for laboratory analyses of specific VOCs (1,1-DCE; cis-1,2-DCE; trans-1,2-DCE; PCE; TCE; and VC) using EPA Compendium Method TO-15. PCE and TCE were the only analytes detected at concentrations above their respective laboratory reporting limits, and TCE was the only analyte detected at concentrations that exceed the EPA Regional Screening Level (RSL) of 3 µg/m3 for industrial air. Results are shown in Tables 2 and 3.

2. PRELIMINARY CONCEPTUAL SITE MODEL – PHYSICAL CHARATERIZATION

A preliminary physical and chemical conceptual site model (CSM) was developed for the Site based on a review of the existing data. The preliminary CSM provides a geologic and hydrogeologic framework, identifies the known constituent distribution and potential areas of concern at the Site, describes the potential migration and exposure pathways for Site COPCs, and supports a preliminary assessment of human health and environmental impacts associated with the Site COPCs. The preliminary CSM is used to summarize the current understanding of the Site and identify where gaps in the current understanding of historical operations, stratigraphy, soil, groundwater and sediments exist and support evaluation of potential risks to human health and the environment. The CSM also facilitates the development of data quality objectives, which in turn are used to identify locations where sampling and other data collection efforts are necessary during the RI/FS. The preliminary CSM will be updated as a more detailed understanding of Site conditions is developed during the course of the RI and can be modified as additional data are collected.

Physical characteristics that are important to the presence, movement, and potential persistence of constituents are presented in this section as a first component of the preliminary CSM. The geology, hydrogeology, and other characteristics and surrounding area were identified based upon review of prior investigation results and literature relevant to the site location. A second integral component of the CSM, chemical characterization of site media, is then provided in Section 3. Section 4 builds upon the physical and chemical CSM and describes the exposure model for potential human and ecological receptors that is used in a screening assessment of human health and ecological risk.

2.1 Physical characteristics of the Study Area

2.1.1 Surface Features

The Site resides on an upland surface and southern tip of a tongue-shaped peninsula, which it shares with the southernmost portion of the city of Macon, Georgia. The peninsula is surrounded on three sides (west, south, and east) by the floodplains of Rocky Creek and the Ocmulgee River. A series of progressively raised alluvial terraces extend from the floodplain of Rocky Creek to an abandoned railroad spur that runs west to east across the southern third of the Site. The land surface elevation ranges from approximately 375 feet above mean sea level (ft amsl) in the north-central portion of the site to 275 ft amsl along Rocky Creek. The Ocmulgee River is located approximately 2.3 miles east of the Site and is accompanied by a well-developed floodplain that averages 2 miles in width (SAIC, 2000). The primary land cover feature surrounding both Rocky Creek and the Ocmulgee River is Freshwater Forested/Shrub Wetlands (ERIS, December 2018).

2.1.2 Regional Geology

The Site lies within the Fall Line Sand Hills of the Coastal Plain physiographic province in central Georgia. It lies approximately 10 miles south of the Piedmont physiographic province, which is underlain by crystalline bedrock of Paleozoic age and older. The Coastal Plain province is composed of Cretaceous and younger unconsolidated sediments, limestone, and sandstone rock that overlie the older crystalline bedrock of the Piedmont province.

Locally, Quaternary alluvium makes up the near surface lithology and is underlain by Cretaceous sediments and pre-Cretaceous igneous and metamorphic rock in descending order. The Cretaceous-aged Tuscaloosa formation is the primary geologic unit at the Site and consists of light-colored sand, sandy clay and discontinuous clay lenses. The Tuscaloosa formation is described as being poorly developed and discontinuous with no laterally significant individual beds being traced; thus not indicating

regular or cyclic deposition (LeGrand - 1962). The Tuscaloosa formation is approximately 275 to 280 feet thick beneath the Site and thickens to the south with a regional dip of approximately 30 ft/mile. About 9 miles south of the Site, the Tuscaloosa is overlain by younger sediments, reaching a total thickness of 600 ft. (LeGrand 1962). Sand units within the Tuscaloosa aquifer are exceptionally productive and form an economically feasible source of fresh, high quality water used for industrial or potable purposes. At least 16 active industrial/public water supply wells and one abandoned production well (on-site) are located within a one mile radius of the Site and are screened within the Tuscaloosa aquifer.

The Quaternary alluvial sediments are the surficial deposits of the creeks and rivers in the area as they meandered over time. These deposits consist of two types: a peat/clay overbank unit and a sand and gravel point-bar unit. Under a meandering stream scenario, these two units may be repeated several times within a stratigraphic interval. As point bars migrate laterally, perpendicular to the direction of stream flow, they deposit a fining-upward sequence of cross-bedded gravel, sand, and silt. Eventually, these sediments become situated behind the stream levee and are overlain by swamp and marsh deposits of organic-rich peat and clay. As the stream meanders back across this sequence, a layer of sand and gravel is deposited on top of the peat/clay unit, repeating the sequence.

2.1.3 Site Geology

Based on a review of previous assessments conducted at the Site, lithologic boring logs and corresponding geologic cross sections and as part of the development of a preliminary hydrogeologic CSM, cross sections were developed as part of the RI/FS Work Plan process. A cross section location map is provided as Figure 27, and the corresponding cross sections are presented on Figures 28 through 33. The following generalized lithologic units were identified in descending order at the Site based on previous work and confirmed by the newly generated cross sections:

- ***Surficial Unit*** - An approximately 15 to 40 ft horizon of weathered soil which includes both clayey/silty and sandy facies. The lower portion of the unit where the unconfined water table resides is predominantly sandy.
- ***MNOP Confining Unit*** - A laterally continuous and significantly thick sequence of interbedded clays, sandy clays, clayey and silty sands, mudstone, and sands. This unit is comprised of a distinctive red and pink approximately 12 ft thick clay unit overlying an approximately 50 to 60 ft thick sequence of interbedded sand and clay. These combined clay and interbedded sand and clay strata are encountered between 60 and 140 feet below land surface (ft bls) and form a confining unit or semi-confining unit to the deeper water producing aquifer zones. This unit is laterally continuous and of low permeability material that serves to separate the shallow water table zone from deeper production zones.
- ***Tuscaloosa Aquifer*** - A predominantly sand aquifer consisting of three or more primary water-bearing sands or sequences of interbedded sand and clay separated by clay.

2.1.4 Soils and Vadose Zone

A surface soil classification map is included as Figure 34. Surface soils are classified as well drained loamy sand, sandy loam and sandy clay loam. Five units of similar soil types are present across the Site, including the two sub-units of the Cowarts sandy loam, Vaucluse-Urban land complex and Norfolk sandy loam.

The Cowarts sandy loam and Vaucluse-Urban land complex (VuC) have moderately high runoff potential when thoroughly wet with water transmission through the soil being somewhat restricted. The two Cowarts sub-units differ only in slope, with a 2-5 percent slope being CwB and 5-8 percent slope being CwC. The Vaucluse-Urban land complex is not differentiated by slope.

The Norfolk sandy loam (NhB) is well drained and water transmission through the soil being unimpeded. Areas of Norfolk sandy loam are limited to the northern, southwest and southeastern margins of the Site.

2.1.5 Hydrogeology

Based upon a literature review and an evaluation of geologic logs from both on-Site borings and off-Site deep water-supply wells, the following hydrogeologic units were defined at the Site (Rust 1997):

- ***Shallow Water Table Zone***: The shallow zone extends from the water table (5.6 to 47.4 ft bls) to the top of the underlying confining clay unit. The clay unit is found generally 50 to 70 ft bls, but locally may be as much as 140 ft bls. The shallow zone is comprised primarily of clean sands and silty sands, but contains frequent discontinuous clay intervals and occasional clayey sand.
- ***Confining Clay and Interbedded Sand and Clay Units***: This unit is comprised of a distinctive red and pink approximately12-ft thick clay unit overlying an approximately 50- to 60-ft thick sequence of interbedded sand and clay. These strata are encountered between 60 and 140 ft bls (250 to 180 ft amsl). The clay and interbedded sand and clay units form a confining unit or semi-confining unit to the deeper water producing aquifer zones.
- ***Tuscaloosa Sand Aquifer(s)***: The Tuscaloosa sand aquifer(s) consist of three or more primary water-bearing sands or sequences of interbedded sand and clay separated by clay. This includes a shallow interval from approximately 130 to 160 ft bls (elevations of 177 to 152 ft amsl), and deeper aquifers between approximately 180 ft bls and the base of the Tuscaloosa aquifer at approximately 280 ft bls.

The groundwater flow direction across the Site in the shallow water table zone is generally south to southeast based on water level measurements taken during October 2004. The potentiometric surface map (Figure 35) shows a predominant flow direction to the southeast across the Site.

Slug testing conducted at the Site as part of previous investigations show variable hydraulic conductivity values, which appear to be largely due to outliers in the dataset. Removing the outliers results in a range of hydraulic conductivity of between 0.54 to 61.2 ft/day and an average of 14.8 ft/day (RUST, 1998).

2.1.6 Surface Water Hydrology

The Site is located within the Ocmulgee River watershed. Rocky Creek originates northwest of Macon, traversing through the western margins of the city, turning eastwards south of Macon and joining with Tobesofkee Creek and eventually merging with the Ocmulgee River approximately four miles downstream of the Site. The site is located in flood zone designation X-12 with minimal flood risk (<0.2 percent annual flood risk). (FEMA, 2017)

Drainage flows onto the Site from surface drainage features to the northeast and northwest of the site. Surface water runoff at the Site generally follows the land topography, which slopes gently southward across the Site. A small tributary enters the property at the northeast comer and generally runs parallel to Mead Road before it exits the Site south of Allied Industrial Boulevard. A topographic low occurs in the northwest section of the Site, where surface drainage appears to run off during storm events into a small creek along the western property boundary. This creek eventually crosses the road connecting the Site to AWI Site OU2 and becomes a drainage easement. The drainage flows under the former railroad spur in the southwest portion of the property and empties into Rocky Creek in a wooded area south of the Site. Site drainage features are shown on Figures 6, 9, 16, 21 and 23.

2.2 Study Area Climate

The Site weather is characterized as humid subtropical with moderate seasonality, common to the gulf and east coast states. Summers are hot and humid and winters are mild and average higher precipitation. The annual average temperature is 64 degrees Fahrenheit (F), with monthly average temperatures ranging from 58 – 93 degrees F. Annual precipitation averages 45.7 inches, with monthly average precipitation ranging from 2.7 inches to just under 5 inches per month. On average, 205 days are between the last and first frost, with the growing season extending from late February to early November.

2.3 Ecology of the Study Area

The habitat within and surrounding the Site provides the exposure setting for ecological receptors. The following discussion provides information on the local vegetation and wildlife based on site-specific observations and literature references. The site-specific information is used in the development of the exposure model discussed in Section 4.2 in support of preliminary ecological screening assessment.

2.3.1 Vegetation

The Site is primarily characterized by structures, pavement, and maintained landscape areas developed for industrial purposes. Pockets of natural habitat exist at the Site, with the largest area measuring approximately 13 acres in the northwest portion of the Site. In these areas with natural habitat, vegetative species within the Site are expected to be similar to and a limited subset of those identified in a 1996 survey (RUST, 1997) of areas south of the Site, including the landfill and Rocky Creek floodplain.

Common vegetative species in the areas proximal to the Site include the following:

- Trees: loblolly pine (*Pinus taeda*),box-elder (*Acer negundo*), white ash (*Fraxinus americana*), chinaberry (*Melia azedarach*), wild black cherry (*Prunus serotina*), and sassafras (*Sassafras albidum*) seedlings;
- Shrubs: Groundsel-tree (*Baccharis halimifo/ia*), smooth sumac (*Rhus glabra*), and Chickasaw plum (*Prunus angustifolia*); and
- Herbs: trumpet-creeper (*Campsis radicans*), red sorrel (*Rumex acetose/la*), Japanese honeysuckle (*Lonicera japonica*), goldenrod (*Solidago sp.),* blackberry (*Rubus al/egheniensis*), broom-sedge (*Andropogon virginicus*), passion flower (*Passijlora incarna*), vetch (*Vicia sp*.).

2.3.2 Terrestrial Wildlife

Direct and indirect observation (RUST, 1997) at an adjacent site included coyote (*Canis latrans*) and white-tailed deer tracks (*Odocoileus virginianus*) in the landfill area, and beaver (*Castor canadensis*) and white-tailed deer in the Rocky Creek floodplain area. Given the developed nature of the Site, these larger animals are unlikely to be present at the Site.

Birds observed in the landfill area included indigo bunting (*Passerina cyanea*), northern cardinal (*Cardinal is cardinalis*), and mourning dove (*Zenaida macroura*). Birds observed in the Rocky Creek floodplain (including Rocky Creek) include a great blue heron (*Ardea herodias*), Carolina chickadee (*Parus carolinensis*), brown-headed cowbird (*Molothrus ater*), and numerous other songbirds. Some of the smaller non-piscivorous birds identified may be present at the Site but breeding populations are unlikely.

2.3.3 Aquatic Life

Intermittent drainage features within the Site are not expected to sustain perennial communities of aquatic life. Segments with perennial flow or pools have not been confirmed at the Site, but if present, may

support limited small aquatic life, but not at the level comparable to the diversity and abundance exhibited in Rocky Creek.

2.3.4 Threatened and Endangered Species

The only threatened or endangered (T&E) species listed as potentially affected by activities at the Site is Relict Trillium (*Trillium reliquum*) (USFWS, 2019). T&E species in the surrounding area within Macon-Bibb County included the red-cockaded woodpecker (*Picoides borealis),* the wood stork (Mycteria Americana), and the gopher tortoise (*Gopheruspolyphemus*). (USFWS, 2019). The 1996 (RUST, 1997) survey did not identify T&E species in the landfill area or the Rocky Creek floodplain area.

3. PRELIMINARY CONCEPTUAL SITE MODEL – CHEMICAL CHARACTERIZATION

A large body of chemical analytical data has been collected to characterize soil, sediment, and groundwater within the Site, and the available data were used to develop the following interpretation of constituent distribution. Based on a review of the comprehensive data set for the Site, examination of available data relative to potential source areas, and assessment of the extent of constituent presence and movement, chemical characterization needs for specific areas of uncertainty are identified in Section 3.1.3. A graphical representation of the CSM is shown in Figure 36. The preliminary CSM will be updated as a more detailed understanding of Site conditions is developed during the course of the RI and can be modified as additional data are collected.

3.1.1 Historical Sources and Release of Constituents

Potential sources of constituent release during historical operations at the Site were identified and investigated in prior studies, including the following:

- former WWTP;
- storm water drain outfalls;
- metal plating facility (Building 5);
- electrical transformer houses;
- former solvent storage sheds (Buildings 99, 175, 190-193);
- explosives assembly and loading area (Buildings 106, 106A and 109);
- oil recovery area; and
- ASTs and USTs.

The location of each of these areas is shown on Figure 37. Chemical characterization of soil in and around these areas did not reveal the presence of constituents in soil at concentrations above their EPA Regional Screening Levels (RSLs) for industrial soil. TCE was detected at the highest concentrations in soil samples collected near the former WWTP outfall area in 1998 (1.7 mg/kg at ISL-117 0-2') and metals plating facility in 1996 (1.2 mg/kg at ISL-004 1-3'); however, TCE was not confirmed to be present in soil at these concentrations in subsequent sampling events in these or other areas of the Site.

In groundwater, TCE has been detected in a number of groundwater wells across the site, distributed in three plumes that appear to merge together to the south of the Site, and the maximum detected TCE concentration in subsequent events was 0.0035 mg/kg. Historic drawings (Stevens and Wilkinson, 1957) and interviews (SAIC, 1997) indicate that plating effluent (and possibly metal cleaning effluent) was conveyed via floor drains in Building 5 to the storm sewer system prior to 1973, which may have included TCE that may have been used to clean the metal prior to plating.

Energetic compounds were investigated previously at the site in surface soils, subsurface soils and groundwater (RUST, 1997), with very limited detections identified. Inorganic analytes and pesticides were detected above background concentrations (identified at the time) in disparate locations across the Site (RUST 1997), and these analyte concentrations and distribution in soil did not indicate the presence of significant source areas for these constituents. Review of site operational history did not indicate processing or management of pesticides and the presence of these constituents appears related to intended beneficial use of the products.

Previous assessments indicate sources of TCE in groundwater are adequately characterized in the vicinity of the former WWTP (western plume), and are suspected to be present both south of the metal plating facility Building 5 (central plume), and near Building 108 (eastern plume). Reported groundwater concentrations and the remediation pilot study concluded that NAPL may remain in the western plume source area (SAIC, 2005).

Industrial operations to the north and west of the Site have the potential to contribute constituents to on-Site surface drainage features. The AWI site to the west and former landfill to south have been identified as sources of constituent release to drainage features and Rocky Creek south of the Site. Groundwater at the former landfill is affected by a variety of constituents including TCE.

Based on results of the previous investigations concentrations of TCE in groundwater samples near Building 5, Building 6, and former Building 108 (demolished), TCE concentrations in indoor air in Buildings 5 and 6, as well as historic use of the areas are all lines of evidence suggesting a source or residual source material may be present in these areas; however a specific source has not been identified. Based on current understanding of the VOC plume distribution, these areas appear to contribute VOCs to groundwater, but to a lesser extent than the former WWTP area. As such, these areas will be the subject of the RI and will be investigated as described further in Section 6.

It is not known if per- or polyfluoroalkyl substances (PFAS) were used as wetting agents or fume suppressants in the chrome plating operations at the site from 1973 to 1980. The plating operations known to involve chromium did not discharge to the stormwater system, and the effluent received pre-treatment via a precipitator prior to sending wastewater to the municipal treatment plant. In addition, chromium was an analyte in many of the previous investigations at the site, and the distributed of chromium in samples from site wells does not suggest that a source of chromium is co-located with the known TCE source area adjacent to the former on-Site WWTP. These lines of evidence suggest that plating operations prior to 1973 may not have involved chromium, and were also therefore unlikely to have involved the use of PFAS fume suppressants. PFAS were therefore not retained as COPCs.

Formation of dioxins and furans from energetic substances (e.g. explosives) is theorized to occur when those substances are burned in the presence of chlorine or organochlorine substances (Stucky, H., 2004) (such as perchloronaphthalene, hexachloroethane or perchlorate). Due to the use of the site for storage of explosives prior to assembly and loading, open burning of excess materials is not likely to have occurred on-Site. In addition, chlorinated compounds were typically used in smoke-producing flares, and it is unlikely that smoke flares would be mixed with surplus or off-spec explosives during open burning disposal. For the Site, dioxins and furans were therefore not retained as COPCs.

Additional historical data review and Site reconnaissance will be conducted allowing the preliminary CSM to be updated as additional site information and constituent distribution are identified during the RI.

3.1.2 Nature and Extent of Constituents of Potential Concern

A significant amount of data from prior investigations are available for the site for each affected media. This section provides a description of the nature and extent of COPCs for each of the media considered.

3.1.2.1 Soil

The comprehensive soil sampling locations are shown in Figure 38. Based on the historical data review and results of the screening assessment provided in Section 4, soil warrants only targeted characterization in specific areas and therefore will not be a primary focus of the Phase I RI. The Phase I RI will address the potential for soil to be affected by constituents of concern in unassessed areas (e.g., former solvent storage sheds (Buildings 99, 175, 190-193) and the explosives testing area noted in the 1989 site inspection). Additionally and to confirm previous results, PCB analysis, specifically for Aroclor

1260, will be included in the soil assessment in the former recreation area, if accessible. Soil sampling proposed to be conducted as part of the RI is discussed in Section 6. A summary of historic soil data is provided in Appendix A.

3.1.2.2 Groundwater

The comprehensive groundwater sample locations are shown on Figure 39. The primary groundwater constituents of concern at the Site include TCE, cDCE, and VC. The presence of cDCE and VC may be attributable to naturally occurring biodegradation of TCE. Based upon concentration and broad distribution, TCE is considered the primary indicator constituent and risk driver for development of the RI. Based on groundwater data collected in 2009 and as shown on Figure 40, three TCE plumes appear to exist in the shallow unconfined water table zone with apparent disparate sources at the Site. The main TCE plume is present at a former stormwater discharge outfall located adjacent to the former WWTP at the western property boundary, and the former WWTP and outfall are suspected sources of TCE. A middle TCE plume appears to originate from the former plating operation in Building 5 and possibly from a source in Building 6. A third, lower concentration TCE plume originates near former Building 108. These two lower concentration TCE plumes are potentially associated with former solvent storage sheds identified in the vicinity of the apparent origins of these plumes. The storage sheds will be assessed as part of the Phase I RI. These three plumes coalesce into one main plume as they migrate from their sources southwards in the direction of groundwater flow. South of the Site, the plume appears to be located laterally between the AWI OU2 Site and the Rocky Creek Waste Water Reclamation Facility. The shape and distribution of the TCE plume appears to be partly controlled by paleochannels or relict alluvial deposits located in the shallow sediments. Based on previous assessment, there is no evidence supporting the downward vertical migration of COPCs from the unconfined water table zone to the underlying Tuscaloosa Aquifer, and delineation data collected to date do not indicate that affected groundwater from the Site is discharging into Rocky Creek..

3.1.2.3 Soil vapor

As described above, TCE is present in shallow groundwater (Figure 40). In addition, TCE is present in sub-slab soil gas and indoor air in some Site building locations. The potential for constituent migration into indoor air is largely controlled by the presence and concentrations of TCE and other VOCs in shallow groundwater, but also by overlying building construction. Additionally, the extent of migration of constituents in soil vapor may be affected by utility trenches and corridors or other subsurface structures that can serve as preferential pathways for vapor-phase constituents of potential concern. Consistent with EPA (2015) Vapor Intrusion Guidance, existing buildings within 100 feet of the defined TCE plume were considered to have the potential for VI, as shown in Figure 41. Distance from the groundwater plume was considered in conjunction with previous VI investigation results (see screening assessment in Section 4.1.7.6) to determine whether additional VI investigation was required to understand extent of VI related to subsurface sources.

Based on the 100-ft inclusion zone and results of previous investigations relative to PSLs, additional VI investigation is planned at the following buildings as shown on Figure 41:

- Building 1, Texbond,
- Unit 3,
- Unit 4,
- Unit 5,
- Unit 6/Building 5,

- Unit 7/Building 6,
- Unit 8, and
- Unit 12/Building 106.

3.1.2.4 Sediment/Surface Water

The comprehensive sediment and surface water sampling locations are shown in Figure 42. Based on the historical data review and results of the screening assessment provided in Section 4, sediment ad surface water do not present unacceptable risk to human health at the Site and therefore will not be a primary focus of the Phase I RI.

3.1.3 Data Gap Assessment

Based on the preliminary CSM, the following have been identified as the current data gaps with respect to the nature and extent of COPCs, which will be investigated as part of the RI:

- Defined source (soil and groundwater) for the two secondary VOC plumes located in the central portion of the Site associated with Building 5,6 and 108;
- Presence/absence of COPCs in soil/groundwater in areas of the former solvent storage sheds;
- Potential VI condition in Site Buildings; and
- Presence of PCB Aroclor 1260 in the former recreation area.

4. HUMAN HEALTH AND ECOLOGICAL SCREENING ASSESSMENT

Building on the physical and chemical CSM, an exposure model is added to describe relationships between chemicals and potentially exposed receptor populations. The site-specific model relates sources of chemical constituents, mechanisms of transport through the local environment, and the receptor populations that may come in contact with the constituents at or originating from the Site. Potential receptor populations for the Site and surrounding area include human and, to a limited extent, ecological receptors. Site-specific models were developed to support future baseline risk assessment and, for this work plan, selection of relevant human and ecological screening benchmarks. Available site data were screened against these conservative benchmarks to support identification of COPCs warranting further risk assessment and additional data needs to be obtained as part of the RI to further characterize site-specific exposure and resulting risk.

4.1 Human Health Exposure Model

The CSM for potential human exposure was developed by integrating information regarding physical Site features, land and groundwater use, and chemical characterization of environmental media provided by the prior investigations. The collection and integration of this information is termed the exposure assessment.

The exposure assessment includes identification of potentially complete exposure pathways for receptors, considering the following principle elements: source of constituents, environmental medium and transport mechanism (i.e., migration pathway), point and route of exposure, and receptor population. When all elements are present, the exposure pathway is considered complete. However, the existence of a complete exposure pathway does not indicate the presence of significant or unacceptable risk of harm to human health; a constituent's concentration (in soil, sediment, or water) and potential toxicity are critical factors in determining whether there is a risk of harm. This section summarizes the conclusions of the pathway assessment and then incorporates Site constituent concentrations and agency-reviewed toxicity factors into a screening evaluation to help identify the media and constituents that warrant further focus in the RI to support Site-specific risk evaluation.

In addition to the narrative discussion provided in this section, the results of the exposure assessment are shown graphically in the CSM shown in Figure 36.

4.1.1 Exposure Setting, Land and Groundwater Use

The Site is zoned for industrial use and portions of the property are an active, developed industrial park. The MBCIA has sold or currently leases buildings on the property as office and warehouse space for various industrial and commercial uses. No residences are located on the Site or neighboring property. The northeast corner of the Site was acquired by the City of Macon and was used for recreational purposes (e.g., baseball/softball fields) in the past, but is no longer in use. This portion of the Site currently houses a communications tower and access is limited to authorized personnel by locked fencing.

The Site is bordered by industrial facilities except to the south where the property slopes to the floodplain of Rocky Creek. The Rocky Creek Water Reclamation facility, operated by the MWA, is located off-site, south of the southeastern border of the Site. Access to the industrial park is generally unrestricted with the exception of the Texbond facility (southwestern corner), which is secured by fencing. The northeastern area with communications tower is also secured by locked fencing.

Access to the forested and wetland area leading to Rocky Creek south of the Site is limited due to the swampy or scrub-shrub nature of the terrain and because portions of the area are often partially submerged by Rocky Creek floodwaters. Some evidence of fishing in Rocky Creek in this area was identified during prior investigations and in a Public Health Assessment prepared by the Georgia Department of Public Health (GDPH, 2013).

Municipal water supply is available at the Site and surrounding area from the MWA, which draws water from a surface water source (Ocmulgee River) upstream of the Site. The shallow water table zone is not used for water supply at or in the vicinity of the Site. The deeper Tuscaloosa Aquifer provides industrial water supplies in the vicinity of the Site. Two water supply wells on the Site were completed in the Tuscaloosa to total depths of approximately 290 feet bls and provided industrial water supply. The wells include a DOD well (no longer active) south of Building 5 and an active Georgia Hydrate well (GHW-01) located in the southeast corner of the property. A well (AWL-06) operated by AWI, completed in the Tuscaloosa to 243 feet bls, is located downgradient of the Site between the southern property boundary and Rocky Creek. Wells on adjacent properties to the north, west, and east were also completed in the Tuscaloosa and reportedly provide industrial and irrigation water supplies. The GDPH identified residential wells recorded in county health department records near the Site (in 2013) to include four residential wells within a one-mile radius and 26 residential wells within a two-mile radius of the adjacent AWI site. Five mobile home parks located within a two-mile radius were also identified as having permitted drinking water wells. The current status (active or inactive) of the residential wells has not been identified.

4.1.2 Potential Human Receptors

The most likely current and future human receptors at the Site are industrial/commercial workers who maintain jobs at the businesses located on the property, as well as groundskeepers and visitors. Public access to the former recreational area is restricted due to the presence of the communication tower and security fence. Utility and construction workers are potential receptors should utilities require maintenance or repair or in the event of new commercial construction.

Off-site to the south of the Site, potential receptors are recreational users of Rocky Creek. Because the area is often partially submerged, access to Rocky Creek is difficult for the public. Additionally, the location is less likely to be casually accessed by the general public because of the surrounding industrial area (GDPH, 2013).

4.1.3 Constituent Transport Pathways and Exposure Media

4.1.3.1 Soil

Surface soil on site (defined as the upper 12 inches) is a potential exposure medium for direct contact by people who routinely work at or visit the Site. Subsurface soil is a potential exposure medium for construction and utility workers, should future development or utility work include excavation or coring activities. In general, subgrade or intrusive work represents an infrequent or non-routine activity, typically of limited (i.e., subchronic) duration. Affected soil at all depths is a potential source for release of constituents to groundwater; however, significant residual source areas have not been identified in prior investigations. Off-site soil has not been identified as being affected with Site-related constituents. Investigation of soil or sediment has been performed within discrete drainage features that flow south from the Site and is discussed below with sediment.

4.1.3.2 Groundwater

No current or reasonably anticipated direct human exposure to the shallow water table zone exists, which is encountered generally between 5.6 to 47.4 ft bls. Potential constituent migration pathways include transport of VOCs from shallow groundwater to indoor and/or ambient air, horizontal transport of constituents downgradient to surface water, and vertical transport of constituents to deeper groundwater.

An initial rapid screening of indoor air in 20 buildings located within or near the TCE plumes in groundwater identified detectable TCE in nine buildings. Understanding specific sources of indoor air constituents is complicated by the use of products containing the same constituents in the current commercial operations and the common occurrence of these constituents in ambient air in industrial areas. Subsequent subslab and/or indoor air sampling of two buildings indicated VI from subsurface sources had occurred in Texbond (Unit 1) and Damaste (Unit 6) buildings (and mitigation measures were implemented). Based on investigations conducted to date, TCE in shallow groundwater has the potential to volatilize and migrate from groundwater through the vadose zone into indoor air. Considering the presence of occupied structures at the Site within and near the TCE plume and the potential for vapor migration from shallow groundwater, inhalation is considered a potentially complete pathway for on-Site receptors in buildings.

The absence of TCE and its biodegradation products from sediments in on-Site drainage features supports that discharge of groundwater to these features is not occurring or not contributing constituents due to discharge. However, surface water samples were not collected from on-Site drainage features except for upstream/background locations because the ditches are usually dry. Trace levels of TCE were reported in surface water and sediment off-Site to the south in drainage features adjacent to the landfill (Drainage Ditch 3) and were found to be associated with the landfill features. Groundwater delineation data collected to date do not indicate that affected groundwater from the Site is discharging into Rocky Creek.

The potential for vertical migration from shallow groundwater through the clay confining unit and into the Tuscaloosa Aquifer has been evaluated through limited sampling of existing production wells, sampling at the base of the shallow water-bearing zone, and geotechnical testing of the confining unit clay. The active production wells on-Site (GHW-01) and off-Site to the south (AWL-06) completed in the Tuscaloosa Aquifer were sampled in 1998, and a single J-qualified detection of TCE was reported below drinking water standards at AWL-06. Samples collected at the base of the water table aquifer have contained TCE at relatively higher concentrations (MW-62A, MW-70A); however, geotechnical testing of the confining clay unit indicated low permeability that limits vertical constituent transport. Groundwater in the Tuscaloosa Aquifer beneath the Site is a current and potential future exposure medium for workers on site; however, available data do not indicate that exposure to groundwater with levels of constituents above a drinking water standard beneath the Site is occurring.

4.1.3.3 Surface Water

Most of the drainage features within the Site are periodically dry, and where water is present, there is limited attraction or opportunity for contact in the industrial setting. Prior sampling of surface water within the Site included upstream/background locations (ISW-004, ISW-005, and ISW-006), where water was present. The comprehensive surface water and sediment sample locations are shown on Figure 42. Surface water samples collected from Rocky Creek (the potential receiving water body for surface runoff from the Site and AWI Site OU1 and OU2) did not contain any constituents at elevated concentrations, and Rocky Creek surface water is not a medium of concern (TetraTech, 2009; GDPH, 2013). Rocky Creek surface water is not identified to be adversely affected by Site runoff discharge.

4.1.3.4 Sediment

Sediment in drainage features that are periodically dry within the Site is a potential exposure medium for direct contact by people who routinely work at the site, similar to soil. In limited locations that routinely hold water, the sediment is generally less available for direct human contact. Consistent with EPA Region 4 guidance (EPA, March 2018), sediment sampled on site will be considered as surface soil for the screening evaluation of human health. For sediments covered by a water column, such as the sediment in Rocky Creek, EPA has identified that direct human exposures do not warrant risk evaluation in most cases and evaluation of indirect exposure such as biota uptake and ingestion may be appropriate. The uptake/fish ingestion pathway has been evaluated for Rocky Creek by GDPH due to discharge from multiple sources including AWI Site OU1 and OU2.

4.2 Exposure Scenarios and Human Health Screening Assessment

Based upon the site-specific exposure model identified and EPA Region 4 guidance for human health risk assessment (EPA, 2018), the process outlined below was implemented to identify site-related COPCs that warrant further investigation in the RI. In general, the tables providing the screening assessment include a summary of the range of constituent concentrations detected, frequency of detection, and comparison of maximum reported concentrations and detection limits to the risk-based screening levels and site-specific background reference levels, as available. Available background data are discussed in Section 4.2.1, followed by discussion of the screening method and screening results for soil, sediment, surface water, groundwater, and indoor air. The results of the human health screening assessment are summarized with a discussion of data needs to support completion of further site-specific risk assessment in the RI consistent with EPA guidance. The COPCs identified as a result of the screening assessment are summarized in Table 2.

Screening evaluations presented in prior investigation reports documented comparison to residential screening levels. The human health risk assessment for the Site will ultimately evaluate multiple exposure scenarios. For purposes of identifying the data gaps most relevant to the on-going use of the Site, the screening assessment presented herein provides further site-specific information using industrial standards consistent with anticipated current and future site use and zoning. Data gaps identified by screening using industrial standards are also applicable under a residential exposure scenario and filling those data gaps will also support the evaluation of residential risk in the assessment.

4.2.1 Background Data

Establishment and use of background data is an important step in identifying and distinguishing potential contributions from background and site-related constituents (USEPA, 2002). Preliminary evaluation of data indicates that distinguishing site-related and background levels is likely to be important for some COPCs in environmental media at the Site. Detailed analysis of background contribution is appropriate and informative where background levels are similar to or exceed risk-based screening concentrations in environmental media. Background refers to concentrations of COPCs that are not related to a release from operations within the Site. Hence, background includes naturally occurring concentrations and where warranted, ambient concentrations resulting from upgradient or upstream off-Site sources.

EPA Region 4 guidance (EPA, March 2018) supports the use of background data to refine the COPCs for human health and ecological risk assessments, and indicates that COPCs with concentrations at or less than background levels do not warrant further risk evaluation. A simple background threshold value of two times the average background concentration is recommended in EPA Region 4 guidance, recognizing that some background datasets may be limited. Where background samples have been collected using a statistically-valid approach, more robust statistical techniques may be employed to derive a site-specific threshold value or provide two-sample comparisons.

Background samples in various environmental media were collected during several phases of investigation at the Site. Samples were located in areas with no known prior MNOP operations and/or development, with some areas potentially influenced by drainage from off-Site sources. These background sample locations were considered representative of naturally-occurring and ambient conditions. The following samples were identified as background by prior investigators and utilized as such herein:

- ***Soil***: AIP100 (surface) and ISL-018, ISL-019, ISL-061, ISL-062, MNOP01 (subsurface);
- ***Sediment***: ISD001, ISD002, ISD003, ISD004, ISD005, ISD006, DD502, DD503, MNOPD201;
- ***Surface Water***: ISW-04, ISW-05, ISW-06; and
- ***Groundwater***: MW-28, MW029, MW-30, PZ-002.

The screening assessment tables identify the range of concentrations reported in the background samples and the background threshold level equal to two times the average detected concentration.

4.2.2 Surface Soil

Surface soil data were compared to current EPA RSLs for Industrial Soil at a risk level of $1x10^{-6}$ and HQ level of 0.1 (EPA, November 2018). Samples included in the surface soil evaluation include samples collected at 0 to 0.5 foot, 0 to 1 foot, and 0 to 2 feet bls. A summary of the screening assessment is presented on Table 5. A comprehensive soil data set with comparison to screening levels is provided in Appendix A.

Results of the screen indicate detected surface soil concentrations were below RSLs with the exception of two metals (i.e., lead and iron) and one PCB Aroclor in a total of four sample locations as shown in Figure 43. A focus on the northwestern portion of the Site, including the location of former Oil Recovery activities, is shown on Figure 44. Available data for COPCs are identified in Figure 44, showing the constituent distribution in this area. The location AIP-136 is located within a drainage swale area identified by prior investigators as the Northwest Drainage Area, subject to possible impacts from upgradient, off-Site sources. Constituent concentrations at this location (e.g., lead) may not be the result of Site activities. Sufficient relevant, validated data are available to support evaluation of exposure point concentrations within the exposure unit for industrial receptors who work in or traverse the northwestern facility area.

A focus on the northeastern area is presented on Figure 45 and it identifies the single RSL exceedance for PCB Aroclor 1260 at location AIP-111 and the available data for other PCB Aroclors in this area. Confirmation sampling at AIP-111 for PCB Aroclors and lateral delineation locally is planned for the RI to support further risk evaluation based on the limited available data.

Arsenic was detected above the RSL in three of 43 surface soil samples collected across the Site that were analyzed for arsenic. Reported concentrations of 3.1 mg/kg at AIP-136 and 9.7 mg/kg (with 7.4 mg/kg in the duplicate sample) at AIP-132 are the only exceedances of the RSL of 3.0 mg/kg. The RSL for arsenic is widely recognized to be less than naturally occurring levels of arsenic in many areas of the United States. Because only two site background samples provide arsenic results in the upper two feet of soil [AIP-100 surface sample at 0-0.5' (2.2 mg/kg) and subsurface sample at 1-2' (1.9 mg/kg)], a literature review for available background soil data in the vicinity of the Site was also performed. The United States Geological Survey (USGS) has developed a database with typical concentrations of inorganic minerals/elements throughout the United States (Smith et al., 2013). The USGS data set provides a baseline on chemical element concentration and spatial distribution in soils of the United States.

In total, minerals data from six locations were identified within approximately 20 miles of the Site. These locations were sampled during March 2009, and represented a mix of forestland and light residential use

areas. Arsenic concentrations reported at these background locations at a shallow depth (within the top 100 cm of soil) are provided below in the table.

Sample ID	Arsenic (mg/kg)	Latitude	Longitude
C-328035	1.6	32.8572	-83.9318
C-328001	2.2	32.8098	-83.5151
C-328266	2.5	32.8572	-83.9318
C-328251	7.7	32.8098	-83.5151
C-328214	1.5	32.8572	-83.9318
C-328201	2.5	32.8098	-83.5151

In addition to the USGS regional study, ERM identified a relevant soil background study at a site regulated by EPD that is also located in Macon, Georgia (Williams, 2000). This study identified background surface soil (0-2 feet) arsenic concentrations ranging from 1.8 to 21 mg/kg. For subsurface soils (>2 feet), arsenic concentrations ranged from <1.1 to 2.5 mg/kg. The Site data, with a maximum concentration of 7.4 to 9.7 mg/kg and average concentration of 2.1 mg/kg (n=43), are consistent with the background range identified in these supplemental sources, and arsenic is not identified as a COPC warranting further investigation or risk evaluation.

4.2.3 Subsurface Soil

Subsurface soil data were compared to current EPA RSLs for Industrial Soil at a risk level of $1x10^{-6}$ and HQ level of 0.1. Samples addressed in this evaluation include samples collected below the surface interval to a maximum depth of 10 feet bls. This comparison provides a conservative initial screen for workers engaged in periodic intrusive activities. A summary of the screening assessment is presented in Table 6. Subsurface soil data collected at all depths will also be evaluated relative to groundwater protection screening and/or site-specific standards as part of the fate and transport assessment to be included in the RI in accordance with EPA Region 4 guidance. Results of the screening indicate maximum reported subsurface soil concentrations were below RSLs (Table 6) indicating concentrations are protective for potential receptors involved in excavation or intrusive activities (as well as for routine industrial contact).

4.2.4 Sediment

The comprehensive sediment sample locations are shown in Figure 42. Sediment data were compared to current EPA RSLs for Industrial Soil at a risk level of $1x10^{-6}$ and HQ level of 0.1. Sediment samples were collected at the ground surface and sediment intervals were therefore included in the direct contact evaluation. A summary of the screening assessment is presented in Table 7, and this table distinguishes the sediment sample results collected within the Site, at the boundary with AWI (in Ditch 2), and in drainage features south of the Site. To focus on potential impacts from the Site in features that flow south from the Site, off-Site data include samples collected in Ditches 2 and 3 traveling southward and ending at the landfill boundary (DD-507 and ISD-204 provide the southern-most samples). Samples collected traveling southward in Ditch 4, ending just north of the confluence with Rocky Creek, were included in the screening assessment (MNOP-409 provides the southern-most sample). The sediment data set used in

the screening assessment is presented in Appendix B with comparison to screening levels. In addition, sediment data within the landfill and Rocky Creek are also included in Appendix B for completeness.

Results of the screening indicate detected sediment concentrations were below RSLs with the exception of PCB Aroclor 1248 in a single sample location (0.99 mg/kg vs. RSL of 0.95 mg/kg) south of the Site. Location DD-519 was the southernmost location sampled for PCB Aroclors in Ditch 4, located south of the Rocky Creek Water Reclamation facility (see Figure 42). PCB Aroclors were not detected in sediment samples collected from Ditch 4 on-Site or any ditch on-Site, and were not detected in Ditch 4 immediately south of the Site and upstream of location DD-519 as shown in Figure 42. No additional sediment sampling is warranted to evaluate this COPC for site-related human health risk in drainage ditch sediment.

4.2.5 Surface Water

The comprehensive surface water sample locations are shown in Figure 42. Surface water data were compared to the national recommended Water Quality Criteria (WQC) for human health (for the consumption of water and organisms), consistent with Region 4 guidance. For constituents lacking WQC, surface water data were compared to Tapwater RSLs. These screening levels are more conservative (i.e., lower) in general than the Georgia Instream Water Quality standards. Available surface water samples within the Site include only upstream/background locations (ISW-004, ISW-005, and ISW-006), as identified by prior investigators, because other on-Site features and locations were dry during sampling. Drainage features were sampled south of the Site, specifically Ditch 2 and Ditch 3. Although access to these off-Site drainage features is extremely limited for human receptors, these data were evaluated for human contact. A summary of the screening assessment for the drainage features including the same ditch segments as described for sediment is provided in Table 8. The comprehensive surface water data set used in the screening assessment with comparison to screening levels is included in Appendix C. In addition, data within AWI Site OU2 and Rocky Creek are also included in Appendix C.

Results of the screening indicate that constituents detected in surface water samples (collected south of the site) included metals and one VOC (carbon disulfide) at concentrations less than available WQC protective of human health for the consumption of water and organisms. A single COPC, vanadium, was detected above its Tapwater RSL (no WQC was available). Vanadium was detected above its RSL, as shown in Table 8, at location DD-507 in Ditch 2 (see Figure 42). The reported concentration is the below the RSL for the alternative HQ of 1 (0.012 mg/L vs. RSL of 0.086 mg/L at HQ=1). No additional surface water sampling is warranted to evaluate site-related human health risk in drainage ditch surface water.

4.2.6 Groundwater

Groundwater data for the shallow water table zone were compared to current EPA RSLs for Tapwater at a risk level of $1x10^{-6}$ and HQ level of 0.1. The reported concentrations were also compared to drinking water Maximum Contaminant Levels (MCLs) as a reference value. The ingestion pathway is not applicable for the shallow groundwater and the screening assessment relative to standards protective of a drinking water scenario is provided to support an understanding of constituent distribution and delineation relative to conservative benchmarks. The screening assessment includes the comprehensive data from the 1998 through 2015 groundwater sampling events excluding only the 2003-2004 data associated with the SAIC remediation pilot study, as no reporting limits were reported for non-detect values. The 1996 groundwater data were not included due to low confidence associated with potential turbidity in samples collected with DPT and because more recent data provide reasonable characterization of the same investigation areas. A summary of the screening assessment is provided in Table 9, and this table distinguishes the groundwater sample results collected within the Site from those collected south of the Site (see Figure 39 for comprehensive groundwater sampling locations). The comprehensive groundwater data set with comparison to screening levels is included in Appendix D.

The screening results indicate that the following organic constituents were detected in groundwater at concentrations above their respective Tapwater RSLs *and* MCLs, and these constituents are identified as COPCs: 1,1-DCE, 1-2-DCE (total) and cDCE, carbon tetrachloride, chloroform, PCE, TCE, and VC. Methylene chloride and bis(2-ethylhexyl)phthalate were also detected above their RSLs and MCLs, but are suspected laboratory artifacts detected in early (1998) sampling. Constituents with exceedances of RSLs only (e.g., constituents lacking MCLs) are also identified as COPCs in Table 9. TCE is the primary indicator compound for risk at the Site, and its horizontal and vertical delineation in groundwater are required as part of the RI. Other than TCE and cDCE, the VOCs were detected above available MCLs in less than 3% of the groundwater samples evaluated in the screening assessment.

One inorganic constituent, beryllium exceeded its RSL and MCL in a single sample, however beryllium was detected in only 2 of 32 groundwater samples. Beryllium and two additional inorganic constituents (i.e., arsenic and mercury) are identified as COPCs in Table 8 based upon exceedance of a screening level. However, because of few screening level exceedances by these inorganics (maximum of three samples), and because arsenic and mercury detections are below MCLs, no further delineation or groundwater investigation is needed to support risk evaluation during the RI for these COPCs.

4.2.7 Groundwater to Indoor Air

PSLs were only used for comparison and screening of the existing Site data to focus the RI on COPCs. PSLs will eventually be replaced by remediation or cleanup levels for the Site. Historical groundwater, sub-slab soil gas, and indoor air analytical results discussed in this RI/FS Work Plan were screened against the USEPA Commercial Vapor Intrusion Screening Levels (total cancer risk = 1x10-6, hazard quotient = 0.1) for groundwater, sub-slab soil gas, and indoor air. Previous investigations summarized in Section 1.2.7 were screened against these PSLs, and the results are summarized below in this section.

February 2015 – Fifteen indoor air samples (plus one duplicate), three ambient air samples, and fourteen sub-slab soil gas samples (plus two duplicates) were collected from four Texbond Buildings and analyzed for VOCs using Method TO-15. Sample locations are shown on Figure 24. One sub-slab soil gas sample exceeded the PSL for TCE at location MNOP19 in Texbond Building 1 as shown in Table 3. No other compounds in sub-slab soil gas exceeded their respective PSLs. Select compounds in indoor air exceeded PSLs as shown in Table 4 including TCE in Texbond Buildings 1 and 3. With the exception of TCE in Texbond Building 1, the remaining chemical detections in indoor air were either associated with chemicals that were not detected in sub-slab soil gas, or were detected in sub-slab soil gas at concentrations similar to indoor air. When indoor air and sub-slab soil gas concentrations are similar, vapor intrusion is not considered to be the source to indoor air.

August 2015 – Five sub-slab soil gas samples were collect in Tedlar® bags from Texbond Buildings 1 and 2 and submitted to USEPA's mobile laboratory for on-site VOC analysis of six target VOCs (PCE, TCE, cis-1,2-dichloroethene, trans-1,2-dichloroethene, 1,1-dichloroethene, and vinyl chloride). Results for these six VOCs were all below their respective PSLs as shown in Table 3. Indoor air monitoring for TCE and PCE was also conducted by SERAS personnel using a Trace Atmospheric Gas Analyzer (TAGA) mass spectrometer located in USEPA's mobile laboratory. Samples were collected from (add in all the buildings that were sampled). Detections of TCE were found above RI/FS PSLs in Unit 1, Unit 6, Unit 12, and Unit 18 on-Site and one detection of PCE was found above the RI/FS PSL in Unit 20. The Unit 20 PCE exceedance was attributed to a container of "Sheila Shine" stainless steel polish located in the Janitorial closet with PCE listed as an ingredient. The results of these investigations are shared in Table 3 and Table 4.

***December 2015*, March 2016, and May 2016** – Of the eight indoor air samples (plus a duplicate) collected from four locations in Units 1 and 6 in December 2015; two indoor air samples (plus a duplicate) from one location in Unit 6 in March 2016 while an air purifying unit was in operation; and four indoor air

samples (plus two duplicates) from one location in Unit 6 in May 2016 while an air purifying unit was in operation on a setting of high; concentrations of the six target VOCs (PCE, TCE, cis-1,2-dichloroethene, trans-1,2-dichloroethene, 1,1-dichloroethene, and vinyl chloride) were below PSLs in Unit 1, but above the PSL for TCE in all samples at Unit 6. Air purifying units were in operation and an indoor air source of TCE was suspected for the laboratory in Unit 6 based on these results. All other target VOCs were below PSLs in Unit 6 samples. Results are shared in Table 4.

4.2.8 Discussion of Uncertainty

For a subset of constituents/media, human health screening levels are not available. This is generally due to the lack of peer-reviewed toxicity factors to support the development of health-based standards. Where reasonable surrogate screening levels could be assigned based upon sufficiently similar compounds structurally and toxicologically, the screening level for a surrogate compound was used (as identified in screening tables). While the absence of a screening standard results in uncertainty regarding potential constituent risk, toxicity values and screening levels were available and utilized for compounds expected to be the primary potential risk contributors at the Site based upon historical records regarding operations. Those compounds include certain metals, chlorinated compounds, PAHs, PCBs, and energetic compounds.

Detection limits that exceed the risk-based screening level for a constituent represent an uncertainty regarding the presence of the constituent at a concentration of potential concern in the sample. Screening tables provide a summary of detection limits for non-detect results and demonstrate that, in most cases, a small fraction of the available data for any constituent exceeded the screening level and therefore contribute little uncertainty to risk characterization. The exceptions to this general observation include the following:

- In soil and sediment, the routine reporting limit for thallium in the 2009 data set exceeded the RSL of 1.2 mg/kg. However, detections below the reporting limit were identified and qualified as estimated, providing useable data for risk assessment. In addition, the 1996 and 1998 data for thallium provided detection limits below the screening level.
- In soil, the routine reporting limit for N-nitrosodipropylamine exceeded the RSL of 0.33 mg/kg in the 1998 sampling event but not in the subsequent 2009 event.
- In surface water, routine detection limits for arsenic, thallium, and cyanide (cyanide was analyzed in a single water sample) exceeded the national WQC. The routine detection limits for PCBs and pesticides in surface water exceeded the WQC, as did detection limits for some VOCs and SVOCs. However, based on the ephemeral nature of the surface water features and the results of the sediment screening assessment, these constituents are not identified as COPCs for surface water.
- For groundwater, routine detection limits for PCBs and pesticides, which were analyzed in samples collected south of the MNOP site, exceeded RSLs and available MCLs. For samples collected on site, routine detection limits for some VOCs and SVOCs exceeded RSLs. Typically, when MCLs were also available, detection limits did not exceed MCLs (e.g., TCE) or had far fewer exceedances of MCLs (e.g., chloroform, PCE). Constituents are not identified as COPCs in groundwater based on detection limits exceeding screening levels because the detected COPCs are appropriate indicators of potentially mobile constituents and they represent the greatest potential for risk contribution.

4.3 Ecological Exposure Model

Elements contributing to an exposure assessment described for the human health CSM are also applicable for the ecological CSM (i.e., source of constituents, environmental medium and transport mechanism, exposure point and route of exposure, and receptor population). Key components of conditions relevant to the ecological CSM and which inform the ecological screening-level baseline problem formulation are highlighted below:

- Chemicals (i.e., metals and organic compounds) were detected in soil, sediment, and surface water samples collected within the Site.
- Chemicals at the Site may be naturally-occurring, attributable to former MNOP operations, or due to off-Site sources.
- Chemicals may be transported from source areas to other portions of the former MNOP via surface runoff and surface water flow.
- While the majority of the Site is developed and is currently used for industrial purposes, portions of the Site are vegetated and may present a terrestrial ecological resource, although the area size and ecological diversity/abundance may be limited.
- Surrounding properties are also used for industrial purposes, although there is a sizable, well-vegetated area south of the Site.
- Several surface drainage features are present on-Site in small forested areas in the northwest and northeast portions of the former MNOP. Several drainage features are also present in developed areas and characterized by adjacent vegetation and overgrowth providing narrow, linear areas of ecological resource, albeit of limited value. Surface water in these features drains to the south, generally following land topography and eventually discharge into Rocky Creek. Characteristics of these drainage features and their likely absence of significant habitat value will be confirmed as part of the work to be conducted for the SLERA.
- Areas of potential ecological use may support small terrestrial receptors, such as common species of tolerant birds, mammals, and reptiles. The drainage features appear to be primarily intermittent. Perennial pools and drainages, if present, may nominally support a limited and temporary aquatic ecosystem with small aquatic receptors, such as fish and invertebrates.
- Ecological receptors may potentially be exposed to chemicals via ingestion of media or food. Other exposure routes, such as dermal contact with media and inhalation of volatiles in ambient air, may be potentially complete but are not typically quantified in the SLERA process due to paucity of scientific data.

4.3.1 Exposure Scenarios

Based on available information, terrestrial receptors may be potentially exposed to bioaccumulative and non-bioaccumulative chemicals via ingestion of surface water, ingestion of food (e.g., plants, terrestrial invertebrates, and small mammals), and incidental ingestion of soil and sediment. Pending confirmation on whether of the portions of drainage features support surface water pooling, it is conservatively assumed that there may be small areas of perennial or temporary surface water that support limited or transient aquatic life (e.g., small fish and macroinvertebrates). Aquatic life inhabiting surface water (e.g., fish) and sediment (e.g., benthic invertebrates) may be exposed to chemicals in these media. These aquatic life may also provide a nominal source of food for terrestrial wildlife.

4.3.2 Discussion of Ecological Screening Assessment Results

Based on the preliminary ecological CSM, an evaluation of soil, sediment, and surface water data relative to ecological considerations is appropriate. The following EPA guidance documents provide a framework for ecological assessment of the Site:

- *Ecological Risk Assessment Guidance for Superfund: Process for Designing and Conducting Ecological Risk Assessments, Interim Final*, dated June 1997; and
- *Region 4 Ecological Risk Assessment Supplemental Guidance*, dated March 2018.

Following the EPA ecological guidance documents, a preliminary ecological screening evaluation was performed to identify preliminary COPCs (PCOPCs) in soil, sediment, and surface water. As an initial first step, on-Site soil, sediment, and surface water data were included in determination of maximum concentrations for comparisons to conservative ecological screening values (ESVs) identified in the EPA *Region 4 Ecological Risk Assessment Supplemental Guidance* (EPA, March 2018). This conservative approach allows for the development of a comprehensive list of PCOPCs present at the Site.

For the soil assessment, samples were limited to those encompassing the upper 0 to 12 inches, consistent with the terrestrial biotic zone recommended by EPA. Sediment samples were within the EPA-recommended biotic zone for lentic sediment of 0 to 6 inches. In addition, data collected off-Site as a component of prior investigations were also subject to preliminary ecological screening to identify PCOPCs in off-Site media and assess the potential migration and contribution from PCOPCs in on-Site media.

Consistent with EPA Region 4 guidance, refinement of PCOPCs and screening-level problem formulation is appropriate. Refinement included the following:

- Comparison of on-Site maximum concentrations to EPA Region 4 ecological refinement screening values (RSVs).
- Assessment of PCOPCs and concentrations attributable to Site operations based on comparison of maximum concentrations to background concentrations. The background evaluation include naturally occurring background concentrations as well as anthropogenic contributions from off-Site sources intruding onto the Site. The EPA Region 4 guidance method for developing background concentrations (two times average background concentration) was used.
- Focusing the soil ecological evaluation to exclude areas with no or insignificant ecological resource (i.e., areas disturbed by Site operations and maintenance).

The initial and refined medium-specific ecological screening comparisons are provided in Table 10A and 10B (soil, site-wide), Table 11A and 11B (soil, forested), Table 12A and 12B (sediment), and Table 13 (surface water). In general, the screening assessment tables include a summary of the range of constituent concentrations detected, frequency of detection, and comparison of maximum reported concentrations to the screening levels (ESVs and RSVs) and Site-specific background reference levels, as available.

The ecological screening assessment identified the following exceedances of screening levels and background for the Site. Ecological screening assessment results were used to identify whether additional assessment consistent with EPA guidance is warranted, and what, if any, field investigations are necessary to support further ecological risk assessment.

- ***Soil (Site-Wide)***: Metals antimony, cadmium, chromium, lead, mercury, nickel, selenium, silver, thallium, and zinc); PCBs (Aroclor 1248, 1254, 1260); Pesticides (4,4'-DDD; 4,4'-DDE; 4,4'-DDT, dieldrin, endrin); SVOCs (bis(2-ethylhexyl)phthalate; dibutyl phathalate); and VOCs (cDCE) and

total high molecular weight (HMW) PAH. Many of the exceedances were located in industrialized portions of the Site. Sufficient data exist to identify COPCs.

- ***Soils (Focused)***: cadmium (AIP-134, AIP-136), lead (AIP-136), mercury (AIP-134), silver (AIP-134), Zinc (AIP-136), 4,4'-DDE (AIP-136, AIP-137),4,4'-DDT (AIP-136), and Bis(2-ethylhexyl)phthalate (AIP-136). Sample AIP-134 is located in the northwest quadrant near the edge of the forested area and timber laydown area, and was included as a conservative measure. No additional sampling is necessary. While several locations show exceedances of conservative benchmarks, sufficient data exist to characterize these risks, given the industrial nature of the Site and limited potential for off-Site transport.
- ***Sediment***: 4,4'-DDD (DD-516) and 4,4'-DDT (DD-515), located on-Site in Ditch 4. No additional sampling is necessary. PCOPCs are delineated on-Site and off-Site concentrations are generally higher than on-Site. Existing data are sufficient to characterize ecological risk given the industrial nature of the Site and limited potential for off-Site transport.
- ***Surface Water***: Surface water data were not collected within the Site during previous investigations other than upstream/background. Because of the lack of consistent flow in the surface drainages on the MNOP site, no on-Site surface water sampling is proposed.

The ecological screening assessment for off-Site areas identified the following PCOPCs:

- Sediment:
  - ***MNOP/AWI Boundary Ditch 1/2***: 4,4'-DDT (DD-504), and Cresol (DD-505);
  - ***South of Site Ditch 1/2***: Aroclor 1248 (DD-506, DD-507); and
  - ***South of Site Ditch 4***: Cadmium (DD-519), Aroclor 1248 (DD-519), Aroclor 1254 (DD-519), Aroclor 1260 (DD-519), 4,4'-DDT (DD-519), dieldrin (DD-518), bis(2-ethylhexyl)phthalate (DD-519). Sample DD-518 is near the WRF. DD-519 is south of WRF.
- Surface Water:
  - ***South of Site at OU2 boundary, Ditch 2***: Calcium (DD-507) slightly exceeded the ESV. Calcium is a major element and an essential nutrient and not likely to be seen as posing an ecological risk.

On the basis of this review, ERM concludes that there is no need for further sampling to support a SLERA, which is the first step in the ecological risk assessment process under Superfund. Existing data are sufficient to demonstrate that the observed exceedances of benchmarks are not likely to pose a significant risk to ecological receptors either on- or off-Site.

ERM assumes that off-Site areas will be the subject of investigations conducted by other parties, and data collected under these programs will be examined as appropriate, but there is no basis for attributing off-Site ecological risks to the Site at this time. No off-Site activities are currently planned by ERM for the SLERA. However, ERM will continue to coordinate with the AWI OU2 Site team to review data collected by others for Rocky Creek and other areas of possible ecological concern adjacent to the Site. These data will be formally included in the Site ERA process if relevant and appropriate, consistent with the efforts undertaken for the AWI OU2 Site. Additional data collected for the Site (e.g., soil data to support the human health risk assessment) will be screened as appropriate to complete the SLERA.

5. REMEDIAL INVESTIGATION/FEASIBILITY STUDY PROGRAM APPROACH

5.1 RI/FS Data Quality Objectives

The data quality objectives (DQOs) are established in the Quality Assurance Project Plan (included in the SAP) and for this investigation, they are as follows:

- Further define sources of COPCs and to address the uncertainties and data gaps identified in the CSM;
- Enhance definition of nature and extent of Site-related COPCs in soil and groundwater;
- Understand the transport and fate of COPCs in environmental media at the Site;
- Refine the preliminary identification (provided in this plan) of complete or potentially complete exposure pathways considering current and future land use, evaluate current and future human health and ecological risks posed by the COPCs present at the Site, and complete a risk assessment in accordance with EPA guidance; and
- Support the development and evaluation of remedial alternatives for the Site.

5.2 RI/FS Objectives and Approach

The site management strategy has been agreed upon by EPA and Respondents as identified in Section 3 of the Statement of Work (SOW), and includes the following:

1. A complete investigation of the Site including any and all off-site areas where hazardous substances, pollutants or contaminants from the Site have, may have, or will come to be located;
2. Identification of other Potentially Responsible Parties, if applicable;
3. EPA oversight, in consultation with EPD, of the Performing Respondents' conduct of the work (i.e., the RI/FS and any response action) to ensure compliance with applicable laws, regulations and guidance and to ensure that the work proceeds in a timely fashion;
4. Performing Respondents preparation of the Baseline Risk Assessment; and
5. EPA management of the Remedy Selection and Record of Decision phase with input from state agencies, Natural Resource Trustees and the public (including the Performing Respondents).

This overarching strategy provided the basis for identification of preliminary objectives of the RI/FS and Remedial Action at the Site, and these objectives are detailed in the SOW and included in Table 14. The objectives will be addressed through the following tasks as part of this RI/FS:

General Response Action	Description
Task 1	Project Scoping and RI/FS Planning Documents
Task 2	Site Characterization and RI Report
Task 3	Baseline Risk Assessment
Task 4	Treatability Studies
Task 5	Develop and Screen Remedial Action Alternatives
Task 6	Detailed Analysis of Alternatives and Feasibility Study Report
Task 7	Community Involvement and Technical Assistance Plan
Task 8	Progress Reports

The RI/FS tasks will be conducted in a phased approach to achieve the RI/FS objectives. The Phase I RI will begin with detailed well inventory and inspection, with rehabilitation of the aged monitor well network and comprehensive groundwater sampling of the existing site monitor wells, conducting a soil-gas-survey (SGS) in several areas of previously unassessed potential source areas followed by focused direct push technology (DPT) soil and groundwater sampling in discrete locations, and a vapor intrusion (VI) screening assessment in a number of on-Site buildings. Additionally, shallow soil samples will be collected in several discrete areas including areas identified by the SGS, former solvent storage shed areas, and a limited sampling in the former recreational area for PCB Aroclor 1260, if this area can be accessed considering its current use for a communications tower. The proposed Phase I Site Characterization sampling locations are shown on Figure 46. Upon completion of the Phase I RI, the Phase II scope will be presented as a RI/FS Work Plan Addendum.

Section 6 provides the work plan for the Phase I Site Characterization field activities and describes the deliverables associated with the RI Report and baseline risk assessment (RI/FS Tasks 2 and 3). Section 7 provides a discussion of the approach to completion of RI/FS Tasks 4 through 6 which, during and following completion of the RI, include development and analysis of remedial action alternatives and assessment of remedy feasibility.

6. PHASE I RI

The Phase I RI Scope of Work was developed in a manner consistent with USEPA's "*Guidance on Systematic Planning Using the Data Quality Objective Process* (USEPA, 2006). The DQO process is designed to clarify the objectives of data collection and maximize efficiency during data collection. It consists of a multi-step, iterative process so that the type, quantity, and quality of environmental data used in the decision-making process are appropriate for its intended application. The following steps were completed as part of the DQO process in accordance with the USEPA guidance:

1. Define the problem,
2. Identify the Goals / Decisions of the Study,
3. Identify Information Inputs,
4. Define the Study Boundaries,
5. Develop the Analytical Approach,
6. Specify Performance or Acceptance Criteria, and
7. Develop the Plan for Obtaining Data.

A summary of the step-by-step DQO process followed to develop the scope of work for the Phase I Site Characterization is provided in the *Sampling and Analysis Plan* (SAP) (ERM, 2019). The remainder of this section describes the specific types of information (data) needed to achieve the overall goals and objectives of the RI/FS; and the phased Site Characterization approach that will be followed to obtain the data.

6.1 RI Data Needs

The RI/FS Site characterization will need to generate data of sufficient quantity and quality to achieve the following objectives:

- Further define sources of COPCs;
- Enhance definition of nature and extent of Site-related COPCs in soil and groundwater;
- Understand the transport and fate of COPCs in environmental media at the Site;
- Refine the preliminary identification of complete or potentially complete exposure pathways considering current and future land use, evaluate current and future human health and ecological risks posed by the COPCs present at the Site, and complete a human health and ecological risk assessment in accordance with EPA guidance; and
- Support the development and evaluation of remedial alternatives for the Site.

Data needs are described with respect to source area(s) identification and characterization, soil gas, hydrogeology, soil, and groundwater.

6.2 Source Area Identification and Characterization

Potential source areas previously identified and investigated were discussed in Section 3.1.1 (e.g., the TCE source area adjacent to the former outfall along the western margins of the Site). While that source area has been identified and the horizontal and vertical extent is adequately characterized, investigation of potential additional source areas will be performed through SGS as well as soil and groundwater sampling.

6.2.1 Soil Gas Surveys

A passive SGS will be conducted to screen areas on-Site where limited or inconclusive assessment has been conducted previously. SGS modules will first be used to screen potential source areas near Building 5, Building 6, and former Building 108 (demolished) as shown on Figure 46.

Concentrations of constituents in soil gas often strongly correlate with concentrations of constituents in soil and/or groundwater. As such, soil gas concentrations can be used to identify potential sources or "hot spots" that can then be investigated further using other methods (e.g., Membrane Interface Probe, Geoprobe® soil and/or groundwater sampling, monitor wells). SGS provide a lower-cost method to identify potential sources over a larger area before employing higher-cost, more focused investigation methods.

To install a passive soil gas sampler, subsurface clearance will be completed, consisting of notification to public utility mark-out services, review of available construction plans, utility maps, a site walk, and the use of radio frequency line detection, ground penetrating radar, and/or other methods of private utility location. Once clearance is obtained, a small diameter hole (one inch or less) will be made into the underlying soils approximately 18-inches deep using a hand auger or push probe. After the sampler is installed, the hole is patched with an aluminum foil plug and native soil to protect the sampler. The samplers will be left in place for approximately 14 days. Following the exposure period, the samplers are retrieved and shipped to the manufacturer for VOC analysis using gas chromatography/mass spectrometry (GC/MS) instrumentation, following modified EPA Method 8260C procedures.

The passive SGS analytical results will provide the mass of specific constituents within each soil gas sampler. The locations and mass of the constituents are interpolated using computer software to produce a color-coded contour map of VOC mass in soil gas. The contoured and mapped results of the passive SGS will be used to evaluate the need for and determine the location of future additional source-area characterization efforts.

A summary of the soil gas sampling protocol by potential source area is provided below in the table, with each of the areas shown in Figure 46. Detailed procedures are provided in the SAP.

Summary of Soil Gas Survey Protocol

Area of Concern	Approximate Area (sq/ft)	Number of SGS modules	Grid Spacing
Building 5 Area	60,000	45	40
Building 6 Area	152,000	115	40
Former Building 108 Area	52,500	40	40

sq/ft = Square feet

6.2.2 Geoprobe Soil and Groundwater Characterization of Potential Secondary Source Areas

Prior to performing soil sampling or drilling, subsurface clearance for each location must be completed including hand clearing of each location. Based on the results of the SGS, up to 22 soil borings may be advanced at the Site via Geoprobe® (direct push technology or DPT) in the vicinity of the "hot-spot" areas identified by the results of the SGS, if necessary. Additionally one DPT soil boring will also be advanced

in the location of each of the former solvent storage sheds located across the Site. Soil samples from these borings will assist with confirmation of potential secondary VOC source areas in the soil.

AOC	No. of Borings	No. of Samples	Depth intervals	Analysis				Rationale
				VOCs	SVOCs	Metals	PCBs	
Building 5 Area	4	8	3-5 10-15	X				Locations will be based on the results of the SGS
Building 6 Area	4	8	3-5 10-15	X				Locations will be based on the results of the SGS
Former Building 108 Area	4	8	3-5 10-15	X				Locations will be based on the results of the SGS
Former Solvent Storage Sheds (5)	10	20	3-5 10-15	X				Collect up to two samples at each former solvent storage shed

Continuous soil sampling will be conducted in each boring until the water table is encountered and up to two soil samples will be collected from each boring for laboratory analysis for VOCs. The depth of the soil samples will be determined based on field observations including organic vapor field screening results via photo-ionization detector (PID).

Following the collection of soil samples and upon encountering the water table, the soil borings will be advanced through the unconfined water table and groundwater samples will be collected from each boring. Using DPT tooling, one shallow groundwater sample will be collected from approximately 10 feet into the water table at each location. The exact location of the groundwater samples will be determined in the field based on conditions encountered. Each groundwater sample will be collected, placed in laboratory-approved containers and placed on ice for delivery to the laboratory. Retained groundwater samples will be submitted under a chain of custody control to a Georgia Certified Laboratory and analyzed for VOC COPCs via EPA Method 8260B. Following groundwater sampling, the 10 DPT temporary wells will be abandoned by removing the PVC and filling each borehole with bentonite to within 2 ft. bls. The borehole will be filled from 2 ft. bls to land surface with neat cement.

6.2.3 Soil Sampling

As part of Phase I, additional soil samples will be collected to confirm or close potential data gaps. Soil sampling locations are shown on Figure 46 and sample locations and rationale are summarized below in the table.

Summary of Phase I Soil Sampling Program

AOC	No. of Borings	No. of Samples	Depth intervals	Analysis				Rationale
				VOCs	SVOCs	Metals	PCBs	
Former Recreational Area	3	3	0-0.5				X	One confirmation soil sample will be collected in previously sampled location and two stepout locations

6.2.4 Groundwater Monitoring

The most recent round of comprehensive groundwater monitoring was conducted at the Site in 2009. Several monitor wells have fallen into disrepair or possibly been destroyed since that time. As one of the initial tasks of the Phase I RI completion, the following activities will be conducted as part of a comprehensive groundwater monitoring event:

- ***Inspect and Rehabilitate Monitoring Wells*** – Based on a preliminary visual assessment of the Site monitor well network, several of the wells, particularly in the former pilot test area on the western portion of the Site, have been or are being destroyed by the current commercial use of the property. Prior to conducting a comprehensive groundwater sampling event, existing monitor wells will be located and an assessment of their accessibility and viability will be completed. The need to replace monitor wells that have been damaged will be evaluated following the assessment.
- ***Groundwater Sampling*** – Once rehabilitated, the existing monitor well network will be purged and sampled. The following activities will be conducted for the monitoring site wide monitoring event:
    - Gauge the water level in of each existing monitoring wells;
    - Purge and sample each well using low-flow methods;
    - Collect one groundwater sample from each well;
    - Analyze each groundwater sample for the following: COPC VOCs (i.e., 1,1-DCE, 1-2-DCE (total) and cDCE, carbon tetrachloride, chloroform, PCE, TCE, and VC) and field parameters (dissolved oxygen, red/ox potential, pH, conductivity).
    - Analyze select wells in the core of the plume for Natural Attenuation Parameters including dissolved gasses (ethane, ethane, methane, CO2), nitrate, sulfate, manganese, Carbonate/Bicarbonate Alkalinity and ferrous iron (Fe2+). See the Sampling and Analysis Plan (SAP) for specific Methods and QA/QC protocol.
        - Main Plume (includes background, core plume and several lateral samples): MW-9, MW-10, MW-39, MW-47, MW-48R, MW-49, MW-56, MW-77, MW-66, MW-80, MW-81
        - Secondary eastern plume (background, core and several lateral samples): MW-34R, MW-51, MW-62, MW-62A, MW-68, MW-70, MW-70A, MW-73
- *Water Supply Well Sampling* – 17 water supply wells have been identified within a one mile radius of the Site (Figure 6). It is expected these wells are screened in the underlying Tuscaloosa aquifer beneath the site. As part of Phase I RI activities, three of these wells will be sampled, if feasible (on-Site inactive well immediately downgradient of Building 5, AWL-06, and GHW-01). Groundwater samples will be collected directly from the accessible taps on the two active wells. The inactive on site water supply well will be sampled using permeable diffusion bag (PDB) samplers.

6.2.5 Soil Vapor Sampling

To evaluate potential impacts of vapor intrusion, sub-slab soil gas, indoor air and outdoor ambient air sampling will be completed. Additionally, individual building surveys will be completed to assess building structures. The building surveys will include an evaluation of HVAC system operation and layout, and all

chemical uses/storage in the building. This information will be used to evaluate the results of the sampling events.

6.2.5.1 Sub-Slab Soil Gas Sample Collection

To evaluate conditions beneath the building slab, sub-slab soil gas samples will be collected from each building designated for further evaluation in Figure 41. The number of sub-slab soil gas samples recommended for each buildings depends on the size of the structure and follows these guidelines:

- 25,000 square feet or less: 3 samples;
- 25,000 to 100,000 square feet: 4-5 samples; and
- Greater than 100,000 square feet: at least 6 samples.

See the Sampling and Analysis Plan (SAP) for additional information on the number of field quality control samples that should be collected.

Proposed sample locations are shown on Figure 41. Sample locations will be finalized in the field after an inspection of areas of the floor slab, communication with the building owner, and completion of a subsurface clearance utility program. Subsurface clearance consists of notification to public utility mark-out services, review of available construction plans, utility maps, a site walk, and the use of radio frequency line detection, ground penetrating radar, and/or other methods of private utility location.

To the extent allowed by building and room sizes, sub-slab soil gas samples will be located at least 15 feet away from exterior walls to reduce the influence from outdoor air. Locations will be modified based on access availability, equipment locations and utilities, presence of asbestos containing materials, and potential to reduce the impact to ongoing operations in the buildings. Locations may also need to be modified to avoid subsurface utilities, cracks in the foundation, or other features that may limit the reliability of the sampling results. Duplicate samples will be collected, noted on sampling data sheets provided in the SAP, and submitted to the laboratory as blind duplicates for QA/QC purposes. One blind duplicate sample will be collected per every ten sub-slab soil gas samples. Additional information on field quality control samples collected can be found in the SAP.

The Vapor Pins® will be installed to collect a representative sample of soil gas immediately below the floor slab. Sub-slab sampling points will be installed as follows:

- A pilot 1.5-inch-diameter hole will be drilled to a depth of approximately 1.75 inches deep into the concrete slab using an electric hammer drill;
- A 5/8-inch-diameter hole will be drilled through the remaining thickness of the slab and approximately 1 inch into the sub-slab material to form a void;
- The hole will be cleaned of concrete cuttings and dust using a pipe brush;
- A Vapor Pin™ with a silicone sleeve will be placed over the hole and tapped into place using a dead blow hammer (the silicone sleeve will form a water and air tight seal with the concrete); and
- Sub-slab sampling points will be left in place for at least 2 hours to allow for re-equilibration with the surrounding soil prior to QA checks and soil gas sampling (EPA, 2015).

The standard operating procedure for the installation and extraction of the Vapor Pin™ is included as SAP.

Following installation, the sampling locations will be subjected to a water dam test or a helium leak check, and a shut-in leak check to confirm that the connections to the ground and within the sample train are air-tight and do not leak. The shut-in leak test SOP is provided in SAP.

After equilibration and leak testing, soil gas samples will be collected using 1-liter Summa® canisters with flow controllers set at 200 milliliters per minute. At the completion of sampling, the Vapor Pins® will covered with stainless steel covers for potential future sampling events. The canisters will be sent to a qualified laboratory for analysis of the following VOCs by Method TO-15:

- PCE;
- TCE;
- 1,1-DCE;
- cDCE;
- tDCE; and
- VC.

6.2.5.2 Vapor Intrusion Building Surveys

Prior to sampling, field personnel will complete an initial building survey included in the SAP by interviewing someone familiar with the property (i.e., building owner or occupant). During the visit, the field representative will obtain as-built drawings for the buildings, if available, and attempt to verify the location of subsurface utilities. Sampling locations will be selected in cooperation with the building owner/occupant to minimize disruption to Site operations. A separate building survey will be completed for each building selected for further vapor intrusion investigation at the Site as depicted on Figure 41.

This initial building survey will be used to determine property-specific conditions that may affect the design and/or results of the sampling program. Preliminary information regarding building condition and contents will be used to specify equipment needs for the intrusive field investigation and to begin identification of possible background factors that could influence future assessment activities.

A second building survey will be completed prior to sampling which will include a chemical inventory in order to identify potential background indoor air sources as well as an assessment of the heating, ventilation, and air conditioning (HVAC) systems in each building. The chemical inventory will initially focus on potential chemicals stored or used in the room being sampled. If indoor air samples are analyzed for a specific building, then a review of all chemicals used or stored in the building will be completed. This review may include reviewing available safety data sheets.

During this second survey, a separate building survey will be completed for each building selected for further vapor intrusion investigation at the Site as depicted on Figure 41.

6.2.5.3 Indoor Air Sample Collection

To evaluate conditions in indoor air, indoor air samples will be collected from each building designated for further evaluation in Figure 41. Indoor air sample results will be held pending the comparison of sub-slab soil gas results to PSLs. If sub-slab soil gas concentrations exceed Site PSLs, then the corresponding indoor air samples will be analyzed and results will be reported. Only those constituents exceeding their PSL in the sub-slab soil gas samples will be analyzed for in the corresponding indoor air samples.

Indoor air sample locations will be co-located with sub-slab soil gas sample locations where appropriate (i.e., one sub-slab soil gas sample will be collected at each point where an indoor air sample is collected). Proposed indoor air sampling locations are shown on Figure 41. Duplicate samples will be collected,

noted on sampling data sheets, and submitted to the laboratory as blind duplicates for quality assurance (QA)/quality control (QC) purposes. One blind duplicate sample will be collected per every ten indoor air samples. Additional information on field quality control samples collected can be found in the SAP.

Prior to indoor air sampling, a PID equipped with a 10.6 electron volt (eV) lamp will be used as a general check for the presence of potential sources of VOC vapors in the vicinity of the sampling location. If VOC-containing products are observed at the time of sampling, they will be documented with a photograph, noted on the air sampling data sheet (SAP), and may be removed from the building, if appropriate.

Six-liter Summa® canisters equipped with calibrated 8-hour flow regulators will be used to collect the indoor air samples. An 8-hour sampling period was selected to reflect the typical 8-hour business day of the buildings. The canisters will be batch-certified clean by the laboratory prior to use. A sampling field form will be completed for each sampling location; a template form is included in the SAP.

The air intake of each canister will be located at a breathing zone height of approximately three to five feet above the floor surface. To the extent allowable by building and room sizes, indoor air samples will be collected away from exterior windows or doors. During the sampling period as well as at the time of sample retrieval, noticeable changes in the condition of the sampling area, such as changes to the condition or location of objects in proximity to the canisters, will be noted on the air sampling data sheet (SAP).

Sampling personnel will check and record the initial vacuum in each canister at the start of each sample. Vacuum readings will be collected at the end of the sampling period as well as periodically throughout the sampling period. All vacuum readings will be recorded on the air sampling data sheet (SAP). A vacuum of no less than approximately 5 inches of mercury (in Hg) will remain in the canister to demonstrate that each canister was collecting air throughout the entire sampling period. Residual vacuum in the canister will also be used to document that no additional air was collected during transport of the canister to the analytical laboratory following sampling completion.

Indoor air samples will be held pending the results of the sub-slab soil gas samples as described in Section 6.3.5.1. Indoor (and corresponding outdoor) air samples will only be analyzed at those buildings, if any, where VOCs are detected in sub-slab soil gas samples above PSLs. If analyzed, indoor air samples will be analyzed via USEPA Method TO-15 for the specific list of VOCs in Section 6.3.5.1.

6.2.5.4 Outdoor Ambient Air Sample Collection

Outdoor ambient air samples will be collected concurrent with indoor air sampling. One outdoor ambient air sample location will be collected per building, as appropriate. Depending on weather conditions, it may be necessary to cover portions of the Summa® canister.

The outdoor ambient air sample will be collected upwind of the associated building based on weather conditions the day of the sampling event. If the direction of wind cannot be determined by the sampler, a publicly-available weather service will be used. The air intake of each canister will be located at a breathing zone height of approximately three to five feet above the ground surface. To the extent allowed by Site features, air samples will be collected away from buildings (10 to 15 feet) and away from wind obstructions, such as trees. Sampling locations may need to be adjusted to ensure security of the canister during the sampling period.

The outdoor ambient air sample collection will commence up to one hour prior to initiating the indoor air samples and will continue up to 1 hour after the indoor air monitoring is complete to ensure that the entire indoor air sampling period is covered by the outdoor ambient air sampling period.

Outdoor ambient air samples will be collected in 6-liter Summa® canisters equipped with a 9-hour flow regulator (to capture the full indoor air sampling period). Canisters will be batch-certified clean by the

laboratory prior to use. Deployment, documentation, and vacuum monitoring of the outdoor air samples will follow the same procedures detailed for indoor air sample collection (Section 6.3.5.2).

Outdoor ambient air samples will be held pending the results of the sub-slab soil gas samples. Outdoor (and corresponding indoor) air samples will only be analyzed at those buildings, if any, where VOCs are detected in sub-slab soil gas samples above PSLs. If analyzed, outdoor air samples will be analyzed via USEPA Method TO-15 for the specific list of VOCs in Section 6.3.5.1.

6.3 Surveying

ERM will retain a Georgia certified land surveyor to survey the rehabilitated monitor wells. The survey will include the horizontal coordinates, ground elevation at each monitor well location and top of casing (TOC) elevations. The survey will facilitate preparation of a groundwater elevation contour map, which will be used to derive accurate direction of groundwater flow and gradients. At a minimum, locations will be surveyed in un-projected geographic coordinates in decimal degree format using North American Datum 1983 (NAD83) or World Geodetic System 1984 (WGS84) as the datum, with elevations referenced to North American Vertical Datum established in 1988 (NAVD 88).

6.4 Site Characterization and RI Report

The major work products developed during implementation of Tasks 2 and 3 of the SOW include the following documents:

- Site Characterization Summary
- Technical Memorandum #1: Identification of COPCs
- Technical Memorandum #2: Exposure Assessment
- Technical Memorandum #3: Screening Level Ecological Risk Assessment
- Remedial Investigation Report
- Human Health Baseline Risk Assessment Report

The Site Characterization Summary will describe and display data for the Site (both existing and newly collected) documenting the location and characteristics of surface and subsurface features and impacts at the Site including the affected medium, location, types, physical state, and quantity and concentrations of contaminants. In addition, the location, dimensions, physical condition, and varying concentrations of each contaminant throughout each source and the extent of contaminant migration through each of the affected media shall be documented. The Site Characterization Summary will provide the technical and analytical basis for developing the Baseline Risk Assessment and remedial action objectives, developing and screening of Remedial Action Alternatives, and further identifying ARARs.

Technical Memorandum #1 will identify the COPCs, by building upon the information provided in Section 4 of this Work Plan, reviewing the available information on hazardous substances present at the Site and selection will be based on intrinsic toxicological properties and an evaluation of quantitation limits, qualifiers, blank contamination, detection frequency and background data. The memorandum will include a list of the substances present at the Site, and propose the COPCs with the rationale for the identification of the COPCs.

Technical Memorandum #2 will identify the magnitude of actual or potential human exposures, the frequency and duration of these exposures and the routes by which receptors may be exposed. The memorandum will provide an evaluation of the likelihood of such exposures occurring and will provide the

basis for the development of site-specific risk estimates in the baseline risk assessment and acceptable exposure levels for COPCs. The exposure assessment will include the reasonable maximum estimate of exposure for both current land use conditions and reasonably anticipated future land use conditions.

Technical Memorandum #3 will document the screening-level preliminary problem formulation and ecological effects evaluation and the screening-level preliminary exposure estimate and risk calculations.

Remedial Investigation (RI) Report will summarize results of field characterization activities of the Site, sources of impacts, nature and extent of impacts, and the fate and transport of contaminants. Included as an attachment, a memorandum summarizing following property use information as outlined in the SOW.

6.4.1 Baseline Risk Assessment

A baseline risk assessment will be prepared using EPA risk assessment guidance, in accordance with the response action requirements under the Settlement Agreement. The risk assessment will evaluate potential exposure pathways under the non-residential land use for on-site industrial worker, construction/utility worker, and trespasser/recreational users, and will include quantitation of risk where pathways are complete. Consistent with the exposure assessment documented in Technical Memorandum #2, the baseline assessment will identify, and provide rationale for, the exclusion of receptors, pathways and routes of exposure that are not likely to represent complete pathways of exposure at the site. Reasonable maximum exposure (RME) assumptions and exposure units will be defined for appropriate receptors and plausibly complete exposure pathways. Estimates of constituent intake and route-specific toxicity factors (identified following the hierarchy of sources recommended by EPA) will be integrated to provide estimates of cumulative carcinogenic risk and noncarcinogenic hazard quotients, as applicable.

Consistent with the exposure assessment documented in Technical Memorandum #3, the baseline assessment will update the information provided in this Work Plan related to environmental setting and constituents existing at the site, identify complete exposure pathways and indicate which, if any, contaminants and exposure pathways might pose ecological threats. The conclusions of the risk assessment will be used to determine appropriate site-specific remedial objectives that may be required to mitigate potentially unacceptable risk. The methods and results of the risk assessment will be presented in the RI report.

6.4.2 Data Management Plan

During execution of the RI/FS, field activities result in both a significant amount of data generated that must be efficiently and accurately managed, as well as potentially investigation derived wastes (IDW). The plan outlined below describes ERM's established procedures to streamline data management, maintain a robust project data set and effectively manage IDW.

Field data will be documented and recorded in various ways during the RI/FS. The following is a list of the various field documents and records that may be produced during investigation or study activities.

- Field forms,
- Field log books,
- Sampling location figures,
- Chain-of-custody (COC) forms,
- Electronic data deliverables (EDDs),
- Field instrument calibration logs,

- Global positioning system (GPS) data files,
- Field survey information,
- Identification of quality control (QC) samples,
- Identification of USEPA split samples,
- Site photographs, and
- Equipment decontamination records.

Electronic measurements or logger files will uploaded to the project server. Written records will be scanned and saved on the project server.

Laboratory analytical data will be provided by each laboratory in an electronic data deliverable (EDD) package and one copy of a Level IV, CLP type data package (unless otherwise specified in the SAP, such as passive soil gas analyses). Each laboratory is responsible for ensuring that data reported in the EDD and data package match. The data deliverable will include a summary package that contains, at a minimum, the following information:

- the case narrative;
- method identification and references;
- field and laboratory sample identifiers cross-reference;
- sample results;
- sample collection, preparation and analysis dates;
- summary QC forms; and
- custody documentation.

ERM will maintain location information, field measurements, laboratory testing methods, results, and quality control information related to the RI/FS field and analytical data in a secure cloud-storage EQuIS database. Write access to the database is restricted to data management personnel. In general, project personnel will have the ability to view, but not modify, the data. The ability to add or correct data will be granted to only those individuals identified by the Data Management Task Manager and trained to perform those tasks.

Data will be submitted to the EPA in the required EDD format in accordance with EPA's Environmental Data Submission Guidance (SESDGUID-106-R0), or more current version.

Spatial data provided to EPA will be submitted in the ESRI File Geodatabase format as un-projected geographic coordinates in decimal degree format using North American Datum 1983 (NAD83) or World Geodetic System 1984 (WGS84) as the datum. If applicable, submissions will include the collection method(s). Projected coordinates may be included but must be documented. Spatial data will be accompanied by metadata, and such metadata should be compliant with the Federal Geographic Data Committee (FGDC) Content Standard for Digital Geospatial Metadata and its EPA profile, the EPA Geospatial Metadata Technical Specification. Each file must include an attribute name for each site unit or sub-unit submitted. Consult http://www.epa.gov/geospatial/policies.html for any further available guidance on attribute identification and naming.

6.4.3 Investigation Derived Waste Management

Investigation derived wastes (IDWs) may include drilling muds, cuttings and purge water from borings and well installation; purge water and soil from collection of samples; residues from the testing of remediation methods or systems; solutions used to decontaminate non-disposable equipment or protective clothing; and contaminated personal protective equipment (PPE). The following general principles will be applied regarding management of IDW:

Protectiveness – IDW management methods should be protective of human health and the environment. As a general rule, best professional judgment will be necessary, based on site-specific conditions, to determine if a management option is protective of human health and the environment. In some instances, options may be available to allow certain on-site management methods, including placement of certain IDW (i.e. non-hazardous) back on site.

Complying with Requirements – When IDW is generated under CERCLA actions, appropriate steps need to be taken to assure that the IDW is managed in accordance with applicable or relevant and appropriate requirements (ARARs) “to the extent practicable, considering the exigencies of the situation” (USEPA, January 1992).

Cost Efficiency – In addition to protectiveness and compliance, IDW should be managed in a manner that is efficient and cost-effective. The generation of IDW should be minimized through appropriate planning of investigative activities (i.e. drilling methods, decontamination techniques). Non-hazardous IDW should be segregated from hazardous IDW to minimize the volume of hazardous IDW and, thereby, reduce the cost of disposal. The use of screening information from previous investigations and characterization or from general knowledge may be used to initially differentiate non-hazardous and hazardous IDW.

Waste profiles will be signed by a performing respondents’ representative, and EPA will be notified of the type, quantity, and destination of each waste prior to shipping any waste off-site.

7. FEASIBILITY STUDY APPROACH

The purpose of the FS is to develop, screen, and perform a detailed evaluation of Remedial Action Alternatives. The FS is conducted concurrently with the Remedial RI. During the RI, data are collected to characterize the nature and extent of COPCs in environmental media including soil, groundwater, surface water, and sediment. As part of the RI, data are collected to evaluate the potential efficacy of prospective remediation strategies and technologies. This data can include treatability testing to evaluate performance and cost associated with remediation technologies. The data gathered as part of the RI is used during the FS to help evaluate and rank potential remediation technologies and alternatives for implementation.

The RI/FS process is governed by several EPA guidance documents. The RI/FS process for this Site will be conducted in accordance with the applicable regulatory guidelines, including but not limited to the

- *Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA* (USEPA, October 1988)
- *Guide for Conducting Treatability Studies Under CERCLA* (USPEA, October 1992)

Details regarding submittals included in the RI/FS process specific to the Site are laid out in the Settlement Agreement. Pertinent details regarding the FS process identified in the Settlement Agreement are summarized in the following sections.

7.1 Feasibility Study Process

The remedial alternative development process is initiated by developing remedial action objectives (RAOs). Once the RAOs have been identified, a list of general response actions is developed that address the RAOs. In addition, a list of potentially Applicable or Relevant and Appropriate Requirements (ARARs) are also developed to ensure the proposed remedial actions meet all city, state, and federal requirements. Based on the ROAs and ARARs, the General Response Actions (GRAs) are developed into a list of potentially applicable remedial technologies.

7.1.1 Remedial Action Objectives

The Remedial Action Objectives (RAOs) are defined and refined throughout the RI/FS process based on the CSM, exposure pathway assessment, risk assessments, and remedial alternatives analysis. As part of the development of the ROAs, preliminary remedial goals (PRGs) must be established for each constituent in soil, groundwater, sediment and/or surface water that requires remediation. The PRGs will be established based on risk evaluation and the applicable federal and state ARARs. Where separate numeric criteria exist for a constituent, the most stringent of the criteria will be applied and listed. Although the PRGs are established based on a combination of risk evaluation and regulatory standards, the final acceptable exposure levels are determined based on the evaluation of expected exposures and associated risks for each alternative.

The NCP requires compliance with ARARs during remedial actions to the extent practicable. ARARs include federal, state, and local environmental laws, regulations, and standards that can be chemical-specific, location-specific, or action specific. Chemical-specific ARARs are health-based or environmentally based numerical limits pertaining to the amount of a contaminant released to the environment or allowed to remain in the environment as a result of the proposed remedial activity. Location-specific ARARs may restrict remedial action if the proposed action is located in an environmentally sensitive or historically significant area. Action-specific ARARs may restrict remedial action based on the specific remedial action and/or byproducts of the remedial action. The selected

remedy for remedial actions must attain or exceed the ARARs in environmental and public health laws. Identification of ARARs must be done on a Site-specific basis. As part of the FS process, a preliminary identification of potential State and Federal ARARs including chemical specific, location specific, and action specific ARARs will be conducted to assist in the refinement of the RAOs and the initial identification of Remedial Action Alternatives. ARARs identification will continue throughout the RI process until conditions and contaminants at the Site and the Remedial Action Alternatives are defined.

7.1.2 General Response Action

A GRA is a broad form of remedial option that is proposed and then refined into specific technologies or process options as the FS process proceeds. A summary of the different types of GRAs and examples of technologies that represent each action are included in the following table.

General Response Action	Description	Example
No Action (NA)	The no action response provides a baseline for evaluating the remedial alternatives available as required.	N/A
Institutional Controls (IC)	Non-engineered administrative or legal controls that limit land or resource use and are considered a limited action remedial alternative.	▪ Deed restrictions ▪ Groundwater use restrictions ▪ Soil disturbance restrictions
Monitoring (M)	Monitoring groundwater is a limited remedial action alternative that would provide data to assess the occurrence of monitored natural attenuation (MNA) of impacts at a Site. Monitoring would verify the effectiveness of the natural attenuation processes and show that remediation of a groundwater aquifer can occur within a reasonable time frame without active treatment.	▪ Monitored Natural Attenuation
Containment/ Engineering Controls	Containment response actions are used to isolate the contaminated media and to restrict migration of contaminants. Since containment response actions do not have a treatment component, they do not reduce the concentration or volume of contaminants.	▪ Engineered caps ▪ Physical contaminant including slurry walls
Active Restoration - Extraction, Treatment, Discharge	Reducing COC concentrations in soils or groundwater to levels below clean-up criteria by extracting soils or groundwater to the surface, removing the contaminants, and discharging or disposing of the clean media by various methods.	▪ Soil excavation ▪ Air sparge/soil vapor extraction ▪ Hydraulic control (groundwater pump and treat)
Active Restoration – In Situ Treatment	Reducing COC concentrations in soil and groundwater by treatment in place.	▪ In-situ bioremediation ▪ In situ chemical oxidation ▪ Zero-valent iron

7.1.3 Areas and Volumes of Media

As part of the RI/FS process, the area and volume of affected media requiring treatment will be estimated based on data collected during the RI. The area and volume of media requiring treatment will be determined in part by the RAOs and the preliminary remediation goals.

7.1.4 Remediation Alternatives Screening Process

The remedial alternative screening process includes the following components:

1. ***Preliminary Screening Process***: Remediation technologies are screened based on their ability to be successfully implemented for the site-specific problem statement and under site-specific conditions for each area requiring active remediation measures.
2. ***Treatability Testing****: Pilot testing* or bench testing is conducted for technologies selected for further consideration as part of the preliminary screening process to collected data required to evaluate remedy performance. Data collected as part of treatability testing will be used to eliminate technologies from consideration or inform the detailed screening process.
3. ***Detailed Screening Process***: Remediation technologies identified during the preliminary screening process are grouped together into site wide remedial alternatives and then compared to the nine screening criteria.

The FS screening process is iterative and additional treatability testing may be required for more than one technology to fully evaluate the most effective remediation strategy for the site.

7.2 Development and Screening of Alternatives

During the preliminary screening process, technologies will be identified for each GRA and will be screened based on implementability under Site-specific conditions. The general categories for Site-specific conditions used for screening are identified below.

Implementability Screening Criteria	Site Specific Criteria Used for Evaluation
Would not be effective for the volume or area of contaminated media that requires remediation	Depth to groundwater Depth to confining unit
Would not be an effective method for clean-up for Site COCs	Constituents of concern
Would not be feasible based on Site conditions	Geology/Mixed Permeability pH of groundwater DO/ORP of groundwater
Could not be effectively administered	Contaminant trends Technology specific parameters Application specific parameters

Technologies that can be implemented under the Site-specific conditions will be retained for further evaluation. This phase of the FS process does not differentiate between technologies that may be more successful or appropriate than other technologies. Based on the results of the preliminary screening process, technologies may be selected for treatability testing to further evaluate the potential efficacy

under site-specific conditions. Data collected during treatability testing will be used to inform the detailed screening process.

The remedial technologies identified during the preliminary screening process for each affected media and contaminant type will be assembled into alternatives for each affected medium. The alternatives will represent a range of treatment and containment combinations that will address the Site as a whole.

A preliminary list of remedial technologies for consideration by affected media and the data required for evaluation of the alternatives has been compiled. Upon review of the data collected as part of the RI, additional technologies may be retained or eliminated as necessary to address changes to the CSM and refinement of the Remedial Objectives. Conversely, data collected as part of the RI may result in elimination of technologies from the preliminary list of remedial technologies. Elimination of technologies from consideration will be documented in the Technical Memorandum on Remedial Technologies, Alternatives, and Screening submitted to EPA.

7.3 Treatability Study Investigations and Pilot Tests

Applicable treatability testing, likely in the form of pilot testing, may be conducted for remediation technologies retained as part of the preliminary screening process to be considered for implementation at the Site. Based on the results of the preliminary screening process, more than one technology may be selected for testing. For each technology selected for treatability testing, a Treatability Study Work Plan will be submitted to EPA for approval. This plan will include a description of the background of the Site, the remedial technologies to be tested, the objectives of the treatability test, the procedures for the treatability test, and the measurements for performance including analytical methods. The Treatability Study Work Plan will also include details regarding data management and analysis, health and safety, and residual waste management.

Following completion of the treatability studies, a Treatability Study Evaluation Report will be submitted to EPA. The Treatability Study Evaluation Report will include an analysis of the results of the test and conclusions regarding potential efficacy of the technology. The report will evaluate the effectiveness of the technology, factors effecting implementability, and costs associated with full-scale implementation.

7.4 Detailed Analysis of Alternatives

Following completion of any proposed treatability studies, a detailed analysis of the remedial alternatives selected for further consideration will be conducted. The detailed analysis process will include a comparative analysis of each remaining remedial options against the nine evaluation criteria set forth in 40 C.F.R. § 300.430€(9)(iii). The nine criteria are summarized below in the table.

EPA CRITERIA	DESCRIPTION
Overall Protection of Human Health and the Environment	Each technology was evaluated to determine whether its implementation would achieve adequate protection of human health and the environment. The evaluation focused on how potential risks of exposure to impacted groundwater and surface water will be addressed by each alternative and how the risks will be controlled, reduced, or eliminated through treatment.
Compliance with Applicable or Relevant and	Each alternative was evaluated to determine whether it would meet the ARARs, as identified during the RI. For the purposes of this FS, compliance with CERCLA and GAEPD regulatory requirements will be evaluated.

EPA CRITERIA	DESCRIPTION
Appropriate Requirements	
Long Term Effectiveness and Permanence	This criterion evaluates the residual risk likely to remain at the Site following the implementation and completion of each alternative. It specifically evaluates the risk posed by treatment residuals and/or untreated wastes that will remain at the Site, taking into account the carcinogenic and non-carcinogenic effects, toxicity, mobility, expected volume, and likely exposure pathways. This factor assesses the adequacy and suitability of controls, if any, that are used to manage treatment residuals or untreated wastes that remain at the conclusion of remediation efforts. It may include an assessment of containment systems and institutional controls to determine if they are sufficient to ensure that any exposure to human and environmental receptors is within protective levels. This factor also addresses the long-term reliability of management controls for providing continued protection from residuals. It includes the assessment of the potential need to replace technical components of the alternative, such as a cap, a slurry wall, or a treatment system; and the potential exposure pathway and the risks posed should the remedial action need replacement.
Reduction of Toxicity, Mobility, or Volume Through Treatment	Remedial alternatives were evaluated to determine the extent to which they will reduce risk through permanently removing the mass of hazardous substances, significantly reducing toxicity through stabilization (reduction in mobility), and/or reduction in the volume of the contaminated media (soil/source area excavation).
Short-Term Effectiveness	The short-term effectiveness of each alternative was evaluated to determine the potential impacts to human health and the environment during the construction, implementation, and operation phases. Consideration will be given to protection of workers and the community from hazards caused by the alternative.
Implementability	An evaluation of the technical and administrative feasibility of each alternative was conducted through an analysis of the known limitations of the technology, the ability to monitor the progress of the technology, the availability of required materials, and the amount of agency coordination required for full implementation (permits, easements, etc.).
Cost	A comprehensive evaluation of the total cost, including capital expenditures, engineering, licensing, operation and maintenance, and Site rehabilitation associated with each alternative was made to determine which alternative is the most implementable and cost effective.
Community Acceptance	Community acceptance will be evaluated by EPA after completion of the Draft FS Report and, therefore, will not be included in the Draft FS Report.

EPA CRITERIA	DESCRIPTION
State Acceptance	State acceptance will be evaluated by EPA after completion of the Draft FS Report and, therefore, will not be included in the Draft FS Report.

In addition to the active remediation technologies retained for consideration as a result of the preliminary screening process, an assessment of Institutional Controls and Engineering Controls may be considered and include an evaluation against the nine evaluation criteria. The alternatives analysis for Institutional Controls will include the objectives of the Institutional Controls, a description of the types of Institutional Controls under consideration for implementation, and a discussion of the required duration, maintenance measures, and ownership for the proposed Institutional Controls.

As part of the detailed screening process, the following will be provided for each remedial alternative under consideration:

- A description of the alternative that outlines the waste management strategy,
- A description of the key ARARs associated with each alternative,
- A discussion of how each alternative compares to the nine evaluation criteria, and
- A comparative analysis of the Remedial Action Alternatives against the nine evaluation criteria.

No recommendations for a preferred Remedial Action Alternative will be made following the detailed evaluation. The preferred Remedial Action Alternative will be selected by the EPA.

7.5 Summary of Feasibility Study Deliverables

The following table summarizes the deliverables that will be submitted to EPA as part of the FS process.

STAGE OF FEASIBILITY STUDY	DELIVERABLE
Preliminary Screening Process	**Remedial Action Objectives Technical Memorandum** for review and approval by EPA and GAEPD. This memorandum will be submitted at the same time as the Draft RI Report. **Technical Memorandum on Remedial Technologies, Alternatives, and Screening** for approval by EPA. This memorandum will summarize the results and rationale employed in screening technologies, the arrays of alternatives that remain after screening, and the action specific ARARs for the alternatives that remain after screening. EPA's comments on the Remedial Action Objectives Technical Memorandum will be incorporated into this memorandum.

STAGE OF FEASIBILITY STUDY	DELIVERABLE
Treatability Testing	**Treatability Study Work Plan** for approval by EPA. A treatability testing work plan will be developed for each technology proposed for treatability testing prior to the detailed analysis of remediation alternatives. **Treatability Study Evaluation Report** for approval by EPA. A Treatability Study Evaluation Report will be prepared for each treatability test conducted at the site.
Detailed Analysis of Alternatives	**Comparative Analysis of Alternatives Technical Memorandum** for approval by EPA. This memorandum will incorporate EPAs comments on the Alternatives Screening Technical Memorandum **Alternatives Analysis for Institutional Controls and Screening** for approval by EPA. This memorandum will be included as an appendix to the Draft Feasibility Study Report. **Draft Feasibility Study Report** will be submitted for EPA review and comment. This document will provide the basis for remedy selection by EPA and document the development and analysis of the Remedial Action Alternatives. **A Final Feasibility Study Report** will be prepared that incorporates EPAs comments to the **Draft Feasibility Study Report**.

To streamline the approval process, when possible meetings will be held with EPA and GAEPD, as applicable, to discuss the proposed content of each deliverable prior to submittal. Documents will be submitted in draft form for EPA review prior to being finalized. As necessary, meetings will also be held to discuss EPA's comments to the documents prior to revision and submittal of the final documents.

8. COMMUNITY INVOLVEMENT ACTIVITIES

As described in Task 7 of the SOW for the RI/FS, EPA will take the lead in the planning and implementation of the community involvement activities. To the extent required by EPA, support for the following tasks may be provided on an as-needed basis:

- Community Involvement Work Plan Preparation,
- Community Interviews,
- Community Relations Plan Preparation,
- Fact Sheet Preparation,
- Public Meeting Assistance,
- Public Notice Preparation, and
- Establishment of a community information repository, at or near the site, to house one copy of the administrative record.

9. SCHEDULE

Upon approval of the RI/FS Work Plan, work will be initiated within 60 days. Final completion dates of the follow-up deliverables are dependent upon the duration of field implementation. A schedule is provided below. The schedule represents the estimated timeline to complete the RI work proposed herein. Due to the iterative nature of the RI activities proposed herein, subsequent updates to the schedule may become necessary and interim deliverables, EPA review and approvals may be necessary throughout performance of the RI activities, depending on the RI results.

The duration of each task is dependent on weather, and other issues beyond the control of the Performing Respondents which may necessitate changes. Work scheduling and the planning process will be managed in collaboration with the EPA, as warranted, through adaptive management. Potential schedule changes will be communicated to EPA in writing for their approval.

Unless otherwise necessary or requested, results or findings will be provided to EPA during routine monthly progress reports and summarized in the annual progress report.

TASK	PROJECTED DURATION
Public Availability Session	As-needed and if requested by EPA
Initiate Site Characterization Field Work	Within 60 days of EPA approval of RI Work Plan
Implement Phase I RI and evaluate the need for additional RI work	Approximately 180 days
Submit Site Characterization Summary Report, Technical Memorandum #1, #2 and #3 to EPA and EPD for their review and approval	60 days after receipt of all sample analysis results from laboratory
Submit RI Report to EPA and EPD for their review and approval	Draft RI Report due 180 days after collection of the last field sample required in the Final Work Plan/Field Sampling Plan

10. REFERENCES

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TABLES

Table 1
*Current Landowners at Allied Industrial Park (as of 01-2019)**
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Landowner Name	Street Address	Parcel Acreage	Business or Tenant Name (if different from owner)**
Freudenberg Texbond L.P.	810 Allied Industrial Blvd. 660 Allied Industrial Blvd. 670 Allied Industrial Blvd. 620 Allied Industrial Blvd. 520 Allied Industrial Blvd.	23.60 5.91 6.65 4.86 14.12	
Synergy Logistics	540 Allied Industrial Blvd.	3.77	Blair Moving & Storage
James S. Resch Irrevocable Trust	490 Allied Industrial Blvd.	2.01	Gulfside Supply Co.
NotNorth LLP	380 Allied Industrial Blvd.	3.00	
Hox Management L.P.	220 Allied Industrial Blvd.	3.00	Beacon Roofing Supply
225 Allied Industrial Parkway LLC	211 Alied Industrial Blvd. 219 Allied Industrial Blvd. 225 Allied Industrial Blvd.	0.78 1.50 1.50	
Damaste Warehousing LLC	100 Ennis Blvd. 657 Allied Industrial Blvd. 121 Ennis Blvd.	2.07 4.53 5.33	
GBTS LLC	659 Allied Industrial Blvd.	5.16	Gray Brothers Tree Service
AC White Transfer	670 Guy Paine Rd.	8.43	
GS Materials LLC	490 Guy Paine Rd.	2.53	
Macon-Bibb County	450 Guy Paine Rd.	28.78	
Macon-Bibb County Industrial Authority	655 Allied Industrial Blvd. 555 Allied Industrial Blvd. 510 Allied Industrial Blvd.	4.33 3.50 4.25	SD Polymers Wolseley

* Sources (as of 11-2018): (1) Allied-EPA Map(51651585v1) received from R. Davis on 11-8-2018; and (2) https://qpublic.schneidercorp.com/Application.aspx?AppID=702&LayerID=11410&PageTypeID=1&PageID=0&Q=1501730577&KeyValue=P1040150411

** Note: This chart does not list all of the MBCIA tenants

Table 2
Summary of Constituents of Potential Concern (COPCs)
Based upon Human Health Screening Assessment
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Medium	Site Area	COPCs (a)	Identified Data Needs
Surface Soil	Northwestern Area	Iron Lead Aroclor 1260	Not applicable. Data are avilable to characterize exposure concentrations.
	Northeastern Area	Aroclor 1260	Confirmation of reported concentration in location AIP-111; lateral definition.
Sediment	Ditch 4	Aroclor 1248	Not applicable. Based on location of detection south of the site and no detections of Arochlors in any ditches on site, the detection is not likely a result of MNOP activities. Risk assessment will be completed using available data.
Surface Water	Ditch 2	Vanadium	Not applicable. Vanadium is not a constituent of concern in site soil or groundwater beneath the MNOP site and was analyzed in a single surface water sample used in the screening assessment. Risk assessment will be completed using available data.
Groundwater	MNOP Site	1,1-Dichloroethene 1,2-Dichloroethene (total) cDCE Carbon tetrachloride Chloroform TCE PCE Vinyl chloride (2%) 1,1,2,2-Tetrachloroethane (1%) 1,1,2-Trichloroethane Methylbromide (1%) Napthalene (4%) Arsenic (3%) Beryllium Mercury	Additional investigation of potential source areas and delineation of extent of groundwater impact will be performed for VOCs. Those constituents which exceeded a screening level (RSL or MCL) and had detection frequency less than 5% in groundwater are identified by detection frequency in parentheses (see all detection frequencies in screening assessment table). Based on very few screening level exceedances by the inorganics (no more than three samples exceeding), and arsenic and mercury detections below MCLs, no further delineation is warranted to support risk evaluation for these COPCs.
Indoor Air	Buildings within TCE plume and 100 foot buffer	PCE TCE 1,1-DCE cDCE tDCE VC	Additional investigation of sub-slab soil gas, indoor air and outdoor ambient air will be performed for TCE and potential degradation products.

Notes:
COPC - Constituent of Potential Concern
RSL - Regional Screening Level for Tapwater
MCL - Maximum Contaminant Level for drinking water

(a) COPCs are those constituents that exceeded a screening level, and will be further addressed in the RI process. Further evaluation may include site-specific risk evaluation, additional data collection, or refining of the COPC selection based upon site-specific factors such as detection and exceedance frequency and integration of multiple lines of evidence regarding relation (or no relation) to historical site operations. Further COPC selection and refinement will be addressed in Technical Memorandum #1 (Identification of COPCs) of the RI Report.

Table 3
Soil Gas and Sub-Slab Soil Gas Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-SUBS-COMM-THQ-1.0_10-6	VI-MNOP01 25-Feb-15 Soil Gas N R4-E150905-03	VI-MNOP01 26-Aug-15 Sub-Slab Soil Gas N JNIT1GB-201508	VI-MNOP01 28-Aug-15 Sub-Slab Soil Gas N JNIT1GB-201508	VI-MNOP02 25-Feb-15 Soil Gas N R4-E150905-04	VI-MNOP03 25-Feb-15 Soil Gas N R4-E150905-05	VI-MNOP04 25-Feb-15 Soil Gas N R4-E150905-06	VI-MNOP05 25-Feb-15 Soil Gas N R4-E150905-07	VI-MNOP12 26-Feb-15 Soil Gas N R4-E150905-13	VI-MNOP13 26-Feb-15 Soil Gas N R4-E150905-14
µg/m3											
1,1,1-Trichloroethane	µg/m3	730,000	17			< 2.3	< 2.3	6.2	1.8 J,O	< 2.3	< 2.4
1,1,2,2-Tetrachloroethane	µg/m3	7.1	< 2.8			< 2.8	< 2.8	< 2.9	< 2.8	< 2.9	< 2.9
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	µg/m3	730,000	28			12	1.3 J,O	180	23	620	15
1,1,2-Trichloroethane	µg/m3	26	< 2.3			< 2.3	< 2.3	< 2.3	< 2.3	< 2.4	< 2.4
1,1-Dichloroethane	µg/m3	260	< 1.6			< 1.6	< 1.6	3.7	< 1.6	< 1.6	< 1.7
1,1-Dichloroethene	µg/m3	29,000	< 1.6	< 2	< 2	< 1.6	< 1.6	27	1.6	< 1.6	< 1.6
1,2,4-Trichlorobenzene	µg/m3	290	< 2.9			< 2.9	< 3.0	0.35 J,O	< 2.9	< 3.0	< 3.1
1,2,4-Trimethylbenzene	µg/m3	8,800	0.37 J,O			< 2.0	< 2.1	0.43 J,O	< 2.0	0.38 J,O	0.48 J,O
1,2-dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	µg/m3	NS	< 2.8			< 2.8	< 2.8	< 2.9	< 2.8	< 2.9	< 2.9
1,2-Dichlorobenzene	µg/m3	29,000	< 2.5			< 2.4	< 2.5	< 2.5	< 2.5	< 2.5	< 2.6
1,2-Dichloroethane	µg/m3	16	< 1.6			< 1.6	< 1.6	< 1.6	< 1.6	< 1.7	0.28 J,O
1,2-Dichloropropane	µg/m3	110	< 1.9			< 1.9	< 1.9	< 2.0	< 1.9	< 2.0	< 2.0
1,3,5-Trimethylbenzene	µg/m3	8,800	0.25 J,O			< 2.0	< 2.0	0.25 J,O	< 2.0	< 2.1	0.22 J,O
1,3-Butadiene	µg/m3	14	0.45 J,O			< 1.8	< 1.8	0.53 J,O	1.0 J,O	1.2 J,O	1.0 J,O
1,3-Dichlorobenzene	µg/m3	NS	< 2.5			< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.6
1,4-Dichlorobenzene	µg/m3	37	< 2.5			< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.6
1,4-Dioxane	µg/m3	82	1.8			< 1.5	< 1.5	< 1.5	< 1.5	1.1 J,O	5.4
2-Butanone	µg/m3	730,000	16			1.2	2.1	5.4	2.3	8.1	7.3
2-Hexanone	µg/m3	4,400	3.5			0.21 J,O	0.41 J,O	0.79 J,O	0.23 J,O	0.44 J,O	0.74 J,O
4-Ethyltoluene	µg/m3	NS	0.56 J,O			< 4.1	< 4.1	0.48 J,O	< 4.1	< 4.2	< 4.2
4-Methyl-2-pentanone	µg/m3	440,000	1.7			< 1.7	0.39 J,O	0.48 J,O	0.32 J,O	0.39 J,O	0.54 J,O
Acetone	µg/m3	4,500,000	77			11	13 J,O	28 J,O	19 J,O	62	55
Acrylonitrile	µg/m3	6	< 0.89			< 0.88	< 0.89	< 0.90	< 0.89	0.55 J,O	< 0.92
Allyl chloride	µg/m3	68	< 2.6			< 2.6	< 2.7	0.77 J,O	< 2.6	< 4.0 ,O	< 2.8
Benzene	µg/m3	52	0.90 J,O			< 1.3	0.35 J,O	0.63 J,O	1.6	1.7	3.8
Benzyl chloride	µg/m3	8.3	< 2.2			< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
Bromodichloromethane	µg/m3	11	< 2.8			< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.9
Bromoform	µg/m3	370	< 4.3			< 4.3	< 4.3	< 4.4	< 4.3	< 4.4	< 4.5
Carbon disulfide	µg/m3	100,000	1.2 J,O			0.49 J,O	0.46 J,O	0.82 J,O	0.88 J,O	2.7	2.7
Carbon tetrachloride	µg/m3	68	0.66 J,O			0.89 J,O	0.87 J,O	1.8 J,O	0.94 J,O	46	1.6 J,O
Chlorobenzene	µg/m3	7,300	< 1.9			< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	0.54 J,O
Chloroethane	µg/m3	1,500,000	< 1.1			< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
Chloroform	µg/m3	18	< 2.0			< 2.0	< 2.0	16	0.64 J,O	8.1	0.37 J,O
cis-1,2-Dichloroethene	µg/m3	NS	< 1.7	< 2.1	< 2.1	< 1.6	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
cis-1,3-Dichloropropene	µg/m3	NS	< 1.9			< 1.9	< 1.9	< 2.0	< 1.9	< 2.0	< 2.0
Cyclohexane	µg/m3	880,000	0.24 J,O			0.22 J,O	0.30 J,O	1.1 J,O	< 1.4	0.75 J,O	0.43 J,O
Dibromochloromethane	µg/m3	NS	< 3.5			< 3.5	< 3.5	< 3.5	< 3.5	< 3.6	< 3.6
Dichlorodifluoromethane (Freon 12)	µg/m3	15,000	3.5			3.5	4.0	4.0	4.0	4.6	3.5
Ethyl acetate	µg/m3	10,000	6.0			1.6	0.72 J,O	0.67 J,O	0.56 J,O	< 1.5	< 1.5

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Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-SUBS-COMM-THQ-1.0_10-6	VI-MNOP01 25-Feb-15 Soil Gas N R4-E150905-03	VI-MNOP01 26-Aug-15 ub-Slab Soil Ga N JNIT1GB-201508	VI-MNOP01 28-Aug-15 ub-Slab Soil Ga N JNIT1GB-201508	VI-MNOP02 25-Feb-15 Soil Gas N R4-E150905-04	VI-MNOP03 25-Feb-15 Soil Gas N R4-E150905-05	VI-MNOP04 25-Feb-15 Soil Gas N R4-E150905-06	VI-MNOP05 25-Feb-15 Soil Gas N R4-E150905-07	VI-MNOP12 26-Feb-15 Soil Gas N R4-E150905-13	VI-MNOP13 26-Feb-15 Soil Gas N R4-E150905-14
Ethylbenzene	µg/m3	160	0.21 J,O			*< 1.8*	*< 1.8*	*< 1.8*	0.31 J,O	0.27 J,O	0.39 J,O
Ethylene dibromide	µg/m3	0.68	*< 3.2*			*< 3.2*	*< 3.3*	*< 3.3*	*< 3.2*	*< 3.3*	*< 3.4*
Heptane	µg/m3	58,000	1.5 J,O			0.21 J,O	0.44 J,O	*< 1.7*	0.30 J,O	0.44 J,O	0.47 J,O
Hexachlorobutadiene	µg/m3	19	*< 4.3*			*< 4.3*	*< 4.4*	*< 4.4*	*< 4.3*	*< 4.4*	*< 4.5*
Isooctane	µg/m3	NS	0.23 J,O			*< 1.9*	*< 1.9*	*< 1.9*	*< 1.9*	*< 2.0*	0.25 J,O
Isopropyl alcohol	µg/m3	29,000	17			21	17	47	1.7	4.6	3.0
m,p-Xylenes	µg/m3	NS	0.48 J,O			*< 3.6*	0.47 J,O	0.40 J,O	0.69 J,O	1.0 J,O	1.1 J,O
Methyl bromide	µg/m3	730	*< 1.6*			*< 1.6*	*< 1.6*	*< 1.6*	*< 1.6*	*< 1.7*	*< 1.7*
Methyl chloride	µg/m3	13,000	0.56 J,O			0.20 J,O	0.28 J,O	0.20 J,O	*< 0.82*	0.25 J,O	1.6
Methyl tert-butyl ether	µg/m3	1,600	*< 1.5*			*< 1.5*	*< 1.5*	*< 1.5*	*< 1.5*	*< 1.6*	*< 1.6*
Methylene chloride	µg/m3	41,000	0.35 J,O			*< 1.4*	*< 1.4*	*< 1.4*	*< 1.4*	*< 1.4*	0.51 J,O
n-Hexane	µg/m3	100,000	0.39 J,O			*< 1.4*	0.16 J,O	0.18 J,O	0.19 J,O	0.77 J,O	0.61 J,O
o-Xylene	µg/m3	15,000	0.34 J,O			0.24 J,O	0.32 J,O	0.24 J,O	0.29 J,O	0.61 J,O	0.56 J,O
Styrene	µg/m3	150,000	0.65 J,O			*< 1.7*	0.64 J,O	0.86 J,O	0.28 J,O	*< 1.8*	0.27 J,O
Tetrachloroethene	µg/m3	1,600	0.31 J,O	*< 3.5*	*< 3.5*	*< 2.7*	*< 2.8*	5.2	1.1 J,O	2.0 J,O	0.32 J,O
Tetrahydrofuran	µg/m3	290,000	*< 1.2*			*< 1.2*	*< 1.2*	*< 1.2*	*< 1.2*	*< 1.2*	*< 1.2*
Toluene	µg/m3	730,000	3.7			0.41 J,O	1.6	0.97 J,O	3.7	1.9	4.7
trans-1,2-Dichloroethene	µg/m3	NS	*< 1.7*	*< 2.1*	*< 2.1*	*< 1.7*	*< 1.7*	0.45 J,O	*< 1.7*	*< 1.7*	*< 1.8*
trans-1,3-Dichloropropene	µg/m3	NS	*< 1.7*			*< 1.7*	*< 1.7*	*< 1.8*	*< 1.7*	*< 1.8*	*< 1.8*
Trichloroethene	µg/m3	**100**	0.56 J,O	*< 2.7*	*< 2.7*	0.26 J,O	*< 2.3*	33	89	*< 2.4*	*< 2.4*
Trichlorofluoromethane (Freon 11)	µg/m3	NS	1.8 J,O			1.9 J,O	2.0 J,O	3.2	2.2 J,O	2.0 J,O	1.9 J,O
Vinyl acetate	µg/m3	29,000	*< 1.5*			*< 1.5*	*< 1.5*	*< 1.5*	*< 1.5*	*< 1.5*	*< 1.5*
Vinyl bromide	µg/m3	13	*< 1.8*			*< 1.8*	*< 1.8*	*< 1.8*	*< 1.8*	*< 1.9*	*< 1.9*
Vinyl chloride	µg/m3	93	*< 1.0*	*< 13*	*< 13*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.1*	*< 1.1*

Notes:
< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Qualifiers - Organic:
J,O
U,J,O
U,O

Analyis performed by R4-SESD.

Table 3
Soil Gas and Sub-Slab Soil Gas Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-SUBS-COMM-THQ-1.0_10-6	VI-MNOP14 26-Feb-15 Soil Gas N R4-E150905-15	VI-MNOP17 26-Feb-15 Soil Gas N R4-E150905-18	VI-MNOP18 26-Feb-15 Soil Gas N R4-E150905-19	VI-MNOP19 26-Feb-15 Soil Gas N R4-E150905-20	VI-MNOP19 26-Feb-15 Soil Gas N R4-E150905-21	VI-MNOP22 26-Feb-15 Soil Gas N R4-E150905-24	VI-MNOP24 25-Feb-15 Soil Gas N R4-E150905-26	VI-MNOP25 25-Feb-15 Soil Gas N R4-E150905-27	VI-MNOP25 25-Feb-15 Soil Gas N R4-E150905-28
µg/m3											
1,1,1-Trichloroethane	µg/m3	730,000	*< 2.3*	*< 2.3*	*< 2.4*	*< 580*	*< 580*	0.40 J,O	4.3	22	23
1,1,2,2-Tetrachloroethane	µg/m3	7.1	*< 2.9*	*< 2.9*	*< 3.0*	*< 720*	*< 720*	*< 2.8*	*< 2.9*	*< 2.8*	*< 2.8*
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	µg/m3	730,000	280	11	32	200 J,O	200 J,O	11	15	39	39
1,1,2-Trichloroethane	µg/m3	26	*< 2.3*	*< 2.3*	*< 2.4*	*< 590*	*< 590*	*< 2.3*	*< 2.4*	*< 2.3*	*< 2.3*
1,1-Dichloroethane	µg/m3	260	*< 1.6*	*< 1.6*	*< 1.7*	*< 410*	*< 410*	*< 1.6*	*< 1.6*	0.31 J,O	0.33 J,O
1,1-Dichloroethene	µg/m3	29,000	0.58 J,O	*< 1.6*	*< 1.7*	*< 400*	*< 400*	*< 1.6*	*< 1.6*	1.4 J,O	1.5 J,O
1,2,4-Trichlorobenzene	µg/m3	290	*< 3.0*	*< 3.0*	*< 3.1*	*< 750*	*< 760*	*< 3.0*	*< 3.0*	*< 3.0*	*< 3.0*
1,2,4-Trimethylbenzene	µg/m3	8,800	0.30 J,O	3.6	3.9	*< 520*	*< 520*	0.29 J,O	0.27 J,O	*< 2.1*	*< 2.1*
1,2-dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	µg/m3	NS	*< 2.9*	*< 2.9*	*< 3.0*	*< 720*	*< 720*	*< 2.8*	0.33 J,O	*< 2.8*	*< 2.8*
1,2-Dichlorobenzene	µg/m3	29,000	*< 2.5*	*< 2.5*	*< 2.6*	*< 630*	*< 630*	*< 2.5*	*< 2.5*	*< 2.5*	*< 2.5*
1,2-Dichloroethane	µg/m3	16	0.23 J,O	*< 1.7*	*< 1.7*	*< 420*	*< 420*	*< 1.6*	*< 1.7*	*< 1.6*	*< 1.6*
1,2-Dichloropropane	µg/m3	110	*< 2.0*	*< 2.0*	*< 2.0*	*< 490*	*< 490*	*< 1.9*	*< 2.0*	*< 1.9*	*< 1.9*
1,3,5-Trimethylbenzene	µg/m3	8,800	*< 2.0*	1.2 J,O	0.90 J,O	*< 510*	*< 520*	*< 2.0*	*< 2.1*	*< 2.0*	*< 2.0*
1,3-Butadiene	µg/m3	14	3.2	0.35 J,O	0.38 J,O	*< 470*	*< 470*	*< 1.8*	0.79 J,O	0.44 J,O	0.55 J,O
1,3-Dichlorobenzene	µg/m3	NS	*< 2.5*	*< 2.5*	*< 2.6*	*< 630*	*< 640*	*< 2.5*	*< 2.5*	*< 2.5*	*< 2.5*
1,4-Dichlorobenzene	µg/m3	37	*< 2.5*	*< 2.5*	*< 2.6*	*< 630*	*< 640*	*< 2.5*	*< 2.5*	*< 2.5*	*< 2.5*
1,4-Dioxane	µg/m3	82	4.2	0.73 J,O	0.89 J,O	*< 380*	*< 380*	*< 1.5*	*< 1.5*	*< 1.5*	*< 1.5*
2-Butanone	µg/m3	730,000	3.2	18	21	*< 310*	*< 310*	3.6	2.5	2.5	2.5
2-Hexanone	µg/m3	4,400	0.42 J,O	0.61 J,O	0.76 J,O	*< 430*	*< 430*	0.46 J,O	0.23 J,O	0.28 J,O	0.34 J,O
4-Ethyltoluene	µg/m3	NS	*< 4.1*	1.1 J,O	3.1 J,O	*< 1,000*	*< 1,000*	*< 4.1*	*< 4.2*	*< 4.1*	*< 4.1*
4-Methyl-2-pentanone	µg/m3	440,000	0.58 J,O	0.55 J,O	0.49 J,O	*< 430*	*< 430*	0.31 J,O	0.40 J,O	0.28 J,O	0.28 J,O
Acetone	µg/m3	4,500,000	65	700 J,O	680 J,O	*< 760 ,J,O*	*< 780 ,J,O*	27 J,O	31	22	22
Acrylonitrile	µg/m3	6	0.35 J,O	*< 0.90*	*< 0.93*	*< 230*	*< 230*	*< 0.89*	*< 0.91*	*< 0.89*	*< 0.89*
Allyl chloride	µg/m3	68	*< 2.7*	*< 2.7*	*< 2.8*	*< 680*	*< 680*	0.85 J,O	*< 2.7*	*< 2.7*	*< 2.7*
Benzene	µg/m3	52	4.5	1.2 J,O	1.2 J,O	*< 330*	*< 330*	0.69 J,O	1.5	0.84 J,O	0.89 J,O
Benzyl chloride	µg/m3	8.3	*< 2.2*	*< 2.2*	*< 2.3*	*< 550*	*< 560*	*< 2.2*	*< 2.2*	*< 2.2*	*< 2.2*
Bromodichloromethane	µg/m3	11	*< 2.8*	*< 2.8*	0.29 J,O	*< 710*	*< 710*	*< 2.8*	*< 2.8*	*< 2.8*	*< 2.8*
Bromoform	µg/m3	370	*< 4.4*	*< 4.4*	*< 4.5*	*< 1,100*	*< 1,100*	*< 4.3*	*< 4.4*	*< 4.3*	*< 4.3*
Carbon disulfide	µg/m3	100,000	5.3	2.1	0.84 J,O	*< 330*	*< 330*	1.0 J,O	1.1 J,O	1.1 J,O	1.1 J,O
Carbon tetrachloride	µg/m3	68	23	*< 2.7*	0.34 J,O	*< 690*	*< 690*	0.30 J,O	0.45 J,O	0.51 J,O	0.53 J,O
Chlorobenzene	µg/m3	7,300	*< 1.9*	*< 1.9*	*< 2.0*	*< 490*	*< 490*	*< 1.9*	*< 2.0*	*< 1.9*	*< 1.9*
Chloroethane	µg/m3	1,500,000	*< 1.1*	*< 1.1*	*< 1.2*	*< 280*	*< 280*	*< 1.1*	*< 1.1*	*< 1.1*	*< 1.1*
Chloroform	µg/m3	18	1.1 J,O	0.31 J,O	2.0 J,O	*< 520*	*< 520*	*< 2.0*	0.22 J,O	4.7	4.8
cis-1,2-Dichloroethene	µg/m3	NS	*< 1.7*	*< 1.7*	*< 1.7*	*< 420*	*< 420*	*< 1.7*	*< 1.7*	*< 1.7*	*< 1.7*
cis-1,3-Dichloropropene	µg/m3	NS	*< 2.0*	*< 2.0*	*< 2.0*	*< 490*	*< 490*	*< 1.9*	*< 2.0*	*< 1.9*	*< 1.9*
Cyclohexane	µg/m3	880,000	0.38 J,O	0.16 J,O	*< 1.5*	*< 360*	*< 360*	*< 1.4*	*< 1.4*	0.18 J,O	0.22 J,O
Dibromochloromethane	µg/m3	NS	*< 3.5*	*< 3.6*	*< 3.7*	*< 890*	*< 900*	*< 3.5*	*< 3.6*	*< 3.5*	*< 3.5*
Dichlorodifluoromethane (Freon 12)	µg/m3	15,000	3.6	3.4 J,O	4.3 J,O	*< 500*	*< 500*	4.0	3.7	4.4	4.4
Ethyl acetate	µg/m3	10,000	*< 1.5*	*< 1.5*	*< 1.5*	*< 370*	*< 370*	*< 1.5*	*< 1.5*	*< 1.5*	*< 1.5*

Table 3
Soil Gas and Sub-Slab Soil Gas Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-SUBS-COMM-THQ-1.0_10-6	VI-MNOP14 26-Feb-15 Soil Gas N R4-E150905-15	VI-MNOP17 26-Feb-15 Soil Gas N R4-E150905-18	VI-MNOP18 26-Feb-15 Soil Gas N R4-E150905-19	VI-MNOP19 26-Feb-15 Soil Gas N R4-E150905-20	VI-MNOP19 26-Feb-15 Soil Gas N R4-E150905-21	VI-MNOP22 26-Feb-15 Soil Gas N R4-E150905-24	VI-MNOP24 25-Feb-15 Soil Gas N R4-E150905-26	VI-MNOP25 25-Feb-15 Soil Gas N R4-E150905-27	VI-MNOP25 25-Feb-15 Soil Gas N R4-E150905-28
Ethylbenzene	µg/m3	160	1.4 J,O	0.59 J,O	0.32 J,O	< 460	< 460	< 1.8	0.24 J,O	< 1.8	< 1.8
Ethylene dibromide	µg/m3	0.68	< 3.3	< 3.3	< 3.4	< 830	< 830	< 3.3	< 3.3	< 3.3	< 3.3
Heptane	µg/m3	58,000	0.48 J,O	< 1.7	0.87 J,O	< 430	< 430	0.17 J,O	1.4 J,O	< 1.7	0.17 J,O
Hexachlorobutadiene	µg/m3	19	< 4.4	< 4.4	< 4.6	< 1,100	< 1,100	< 4.4	< 4.4	< 4.4	< 4.4
Isooctane	µg/m3	NS	0.27 J,O	< 1.9	< 2.0	< 490	< 490	< 1.9	< 2.0	< 1.9	< 1.9
Isopropyl alcohol	µg/m3	29,000	6.2	18	51	< 270	< 270	1.5	18	9.6	9.5
m,p-Xylenes	µg/m3	NS	5.5	1.9 J,O	1.1 J,O	< 920	< 920	< 3.6	0.41 J,O	< 3.6	< 3.6
Methyl bromide	µg/m3	730	< 1.6	< 1.6	< 1.7	< 410	< 420	< 1.6	< 1.7	< 1.6	< 1.6
Methyl chloride	µg/m3	13,000	0.67 J,O	< 0.84	0.20 J,O	< 210	< 210	< 0.83	< 0.84	< 0.83	< 0.83
Methyl tert-butyl ether	µg/m3	1,600	< 1.5	< 1.5	< 1.6	< 390	< 390	< 1.5	< 1.6	< 1.5	< 1.5
Methylene chloride	µg/m3	41,000	0.36 J,O	< 1.4	< 1.5	< 350	< 350	< 1.4	< 1.4	< 1.4	< 1.4
n-Hexane	µg/m3	100,000	0.73 J,O	< 1.4	< 1.5	< 360	< 360	0.34 J,O	0.22 J,O	0.35 J,O	0.34 J,O
o-Xylene	µg/m3	15,000	2.9	0.75 J,O	0.43 J,O	< 460	< 460	< 1.8	0.21 J,O	< 1.8	< 1.8
Styrene	µg/m3	150,000	0.28 J,O	< 1.8	< 1.8	< 450	< 450	< 1.8	< 1.8	< 1.8	0.18 J,O
Tetrachloroethene	µg/m3	1,600	1.8 J,O	1.3 J,O	1.2 J,O	< 700	< 700	0.54 J,O	< 2.8	3.5	3.5
Tetrahydrofuran	µg/m3	290,000	< 1.2	3.3	2.7	< 310	< 310	< 1.2	< 1.2	< 1.2	< 1.2
Toluene	µg/m3	730,000	4.7	11	2.6	< 400	< 400	0.46 J,O	5.6	1.4 J,O	1.4 J,O
trans-1,2-Dichloroethene	µg/m3	NS	< 1.7	< 1.7	< 1.8	< 430	< 440	< 1.7	< 1.7	< 1.7	< 1.7
trans-1,3-Dichloropropene	µg/m3	NS	< 1.8	< 1.8	< 1.8	< 440	< 440	< 1.7	< 1.8	< 1.7	< 1.7
Trichloroethene	µg/m3	**100**	0.28 J,O	0.29 J,O	< 2.4	**6,600**	**6,800**	< 2.3	< 2.4	1.2 J,O	1.2 J,O
Trichlorofluoromethane (Freon 11)	µg/m3	NS	1.7 J,O	1.4 J,O	2.2 J,O	< 620	< 620	2.1 J,O	1.9 J,O	2.0 J,O	2.0 J,O
Vinyl acetate	µg/m3	29,000	< 1.5	< 1.5	< 1.6	< 380	< 380	< 1.5	< 1.5	< 1.5	< 1.5
Vinyl bromide	µg/m3	13	< 1.9	< 1.9	< 1.9	< 470	< 470	< 1.8	< 1.9	< 1.8	< 1.8
Vinyl chloride	µg/m3	93	< 1.1	< 1.1	< 1.1	< 260	< 270	< 1.0	< 1.1	< 1.0	< 1.0

Notes:
< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Qualifiers - Organic:
J,O
U,J,O
U,O

Analyis performed by R4-SESD.

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-MNOP06 23-Feb-15 Indoor Air N R4-E150905-08	VI-MNOP07 23-Feb-15 Indoor Air N R4-E150905-09	VI-MNOP08 23-Feb-15 Indoor Air N R4-E150905-10	VI-MNOP09 23-Feb-15 Indoor Air N R4-E150905-11	VI-MNOP10 23-Feb-15 Indoor Air N R4-E150905-12	VI-MNOP15 23-Feb-15 Indoor Air N R4-E150905-16	VI-MNOP16 23-Feb-15 Indoor Air N R4-E150905-17	VI-MNOP20 23-Feb-15 Indoor Air N R4-E150905-22	VI-MNOP20 20-Apr-15 Indoor Air N R4-E151707-02
µg/m3											
1,1,1-Trichloroethane	µg/m3	22,000	< 2.7	< 2.9	< 31	< 3.1	< 2.6	< 3.4	< 3.2	< 77	< 3.7
1,1,2,2-Tetrachloroethane	µg/m3	0.21	< 3.4	< 3.6 ,J,O	< 39	< 3.8	< 3.2	< 4.3	< 4.1	< 96	< 4.6
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	µg/m3	22,000	0.91 J,O	0.77 J,O	< 43	0.92 J,O	0.87 J,O	0.89 J,O	0.81 J,O	< 110	0.92 J,O
1,1,2-Trichloroethane	µg/m3	0.77	< 2.8	< 2.9	< 32	< 3.1	< 2.6	< 3.5	< 3.3	< 78	< 3.7
1,1-Dichloroethane	µg/m3	7.7	< 1.9	< 2.0	< 22	< 2.2	< 1.8	< 2.4	< 2.3	< 55	< 2.6
1,1-Dichloroethene	µg/m3	880	< 1.9	< 2.0	< 22	< 2.1	< 1.8	< 2.4	< 2.3	< 53	< 2.5
1,2,4-Trichlorobenzene	µg/m3	8.8	< 3.5	< 3.7 ,J,O	< 41	< 4.0	< 3.4	0.48 J,O	< 4.2	< 100	< 4.8
1,2,4-Trimethylbenzene	µg/m3	260	0.27 J,O	0.29 J,O	< 28	0.43 J,O	0.34 J,O	5.6	0.48 J,O	< 69	< 3.3
1,2-dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	µg/m3	NS	< 3.4	< 3.6	< 39	< 3.8	< 3.2	< 4.3	< 4.1	< 96	< 4.6
1,2-Dichlorobenzene	µg/m3	880	< 2.9	< 3.1 ,J,O	< 34	< 3.3	< 2.8	< 3.7	< 3.5	< 83	< 4.0
1,2-Dichloroethane	µg/m3	0.47	< 1.9	< 2.2 ,O	< 22	< 2.2	< 1.9	< 2.4	< 2.3	< 55	< 2.6
1,2-Dichloropropane	µg/m3	3.3	< 2.3	< 2.4	< 27	< 2.6	< 2.2	< 2.9	< 2.8	< 65	< 3.1
1,3,5-Trimethylbenzene	µg/m3	260	< 2.4	< 2.5 ,J,O	< 28	< 2.7	< 2.3	1.3 J,O	< 2.9	< 68	< 3.2
1,3-Butadiene	µg/m3	0.41	< 2.2	< 2.3	< 25	< 2.5	< 2.1	< 2.8	< 2.6	< 62	0.40 J,O
1,3-Dichlorobenzene	µg/m3	NS	< 3.0	< 3.1 ,J,O	< 34	< 3.3	< 2.8	< 3.7	< 3.5	< 84	< 4.0
1,4-Dichlorobenzene	µg/m3	1.1	< 3.0	< 3.1 ,J,O	< 34	< 3.3	< 2.8	1.0 J,O	< 3.5	< 84	< 4.0
1,4-Dioxane	µg/m3	**2.5**	< 1.8	< 1.9	< 21	< 2.0	< 1.7	**7.3**	**12**	< 50	< 2.4
2-Butanone	µg/m3	22,000	1.7 J,O	1.1 J,O	< 17	1.6 J,O	1.1 J,O	3.7 J,O	1.6 J,O	< 41	< 2.0
2-Hexanone	µg/m3	130	< 2.0	0.28 J,O	< 23	< 2.3	< 1.9	< 2.5	< 2.4	< 57	< 2.7
4-Ethyltoluene	µg/m3	NS	< 4.9	< 5.1 ,J,O	< 56	0.55 J,O	< 4.7	4.2 J,O	< 5.8	< 140	1.0 J,O
4-Methyl-2-pentanone	µg/m3	13,000	< 2.0	< 2.1	< 23	< 2.3	< 1.9	0.35 J,O	< 2.4	< 57	< 2.7
Acetone	µg/m3	140,000	22 J,O	12 J,O	< 18 ,O	24 J,O	6.5 J,O	40 J,O	8.1 J,O	150 J,O	160 J,O
Acrylonitrile	µg/m3	**0.18**	**0.72 J,O**	**0.82 J,O**	< 12	**0.71 J,O**	< 1.0	< 1.3	< 1.3	< 30	**1.6**
Allyl chloride	µg/m3	2	< 3.2	< 3.3	< 37	< 3.6	< 3.0	0.42 J	< 3.8	< 90	< 4.3
Benzene	µg/m3	**1.6**	1.2 J,O	1.0 J,O	< 18	1.5 J,O	1.1 J,O	**5.0**	**6.5**	< 44	1.2 J,O
Benzyl chloride	µg/m3	0.25	< 2.6	< 2.7 ,J,O	< 30	< 2.9	< 2.5	< 3.3	< 3.1	< 73	< 3.5
Bromodichloromethane	µg/m3	**0.33**	< 3.3	< 3.5	< 38	< 3.7	< 3.2	**0.46 J,O**	< 4.0	< 94	< 4.5
Bromoform	µg/m3	11	< 5.2	< 5.4 ,J,O	< 59	< 5.8	< 4.9	< 6.5	< 6.2	< 150	< 7.0
Carbon disulfide	µg/m3	3,100	0.15 J,O	0.26 J,O	< 18	0.29 J,O	< 1.5	0.19 J,O	< 1.8	< 43	< 2.1
Carbon tetrachloride	µg/m3	2	0.97 J,O	0.73 J,O	< 37	1.0 J,O	0.88 J,O	1.0 J,O	0.78 J,O	< 91	0.83 J,O
Chlorobenzene	µg/m3	220	< 2.3	< 2.4 ,J,O	< 26	< 2.6	< 2.2	< 2.9	< 2.7	< 64	< 3.1
Chloroethane	µg/m3	44,000	< 1.3	< 1.4	< 15	< 1.5	< 1.3	< 1.7	< 1.6	< 37	< 1.8
Chloroform	µg/m3	**0.53**	0.31 J,O	< 2.6	< 28	**0.68 J,O**	< 2.3	**1.1 J,O**	0.42 J,O	**9.7 J,O**	< 3.3
cis-1,2-Dichloroethene	µg/m3	NS	< 2.0	< 2.1	< 23	< 2.2	< 1.9	< 2.5	< 2.4	64	2.0 J,O
cis-1,3-Dichloropropene	µg/m3	NS	< 2.3	< 2.4	< 27	< 2.6	< 2.2	< 2.9	< 2.8	< 65	< 3.1
Cyclohexane	µg/m3	26,000	0.22 J,O	0.63 J,O	< 19	3.4	< 1.6	0.81 J,O	0.25 J,O	7.3 J,O	< 2.3
Dibromochloromethane	µg/m3	NS	< 4.2	< 4.4	< 48	< 4.7	< 4.0	< 5.2	< 5.0	< 120	< 5.6
Dichlorodifluoromethane (Freon 12)	µg/m3	440	4.0	4.2	5.1 J,O	4.1	3.5	4.0	3.4	< 67	3.5
Ethyl acetate	µg/m3	**310**	140 J,O	**620**	6.4 J,O	36	1.6 J,O	1.4 J,O	0.53 J,O	16 J,O	30

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-MNOP06 23-Feb-15 Indoor Air N R4-E150905-08	VI-MNOP07 23-Feb-15 Indoor Air N R4-E150905-09	VI-MNOP08 23-Feb-15 Indoor Air N R4-E150905-10	VI-MNOP09 23-Feb-15 Indoor Air N R4-E150905-11	VI-MNOP10 23-Feb-15 Indoor Air N R4-E150905-12	VI-MNOP15 23-Feb-15 Indoor Air N R4-E150905-16	VI-MNOP16 23-Feb-15 Indoor Air N R4-E150905-17	VI-MNOP20 23-Feb-15 Indoor Air N R4-E150905-22	VI-MNOP20 20-Apr-15 Indoor Air N R4-E151707-02
Ethylbenzene	µg/m3	4.9	0.63 J,O	0.45 J,O	< 25	0.68 J,O	0.32 J,O	2.0 J,O	0.52 J,O	< 61	1.6 J,O
Ethylene dibromide	µg/m3	0.02	< 3.9	< 4.1	< 45	< 4.4	< 3.7	< 4.9	< 4.6	< 110	< 5.2
Heptane	µg/m3	1,800	2.7	9.5	< 23	1.4 J,O	0.46 J,O	2.4 J,O	1.1 J,O	19 J,O	0.27 J,O
Hexachlorobutadiene	µg/m3	0.56	< 5.2	< 5.5 ,J,O	< 60	< 5.8	< 5.0	< 6.5	< 6.2	< 150	< 7.0
Isooctane	µg/m3	NS	0.41 J,O	< 2.4	< 26	0.86 J,O	0.97 J,O	2.1 J,O	0.82 J,O	< 65	< 3.1
Isopropyl alcohol	µg/m3	**880**	810	**940**	30	61	2.8	69	< 1.9 ,O	99	< 34 ,O
m,p-Xylenes	µg/m3	NS	1.6 J,O	1.4 J,O	< 50	2.1 J,O	0.80 J,O	6.9	1.5 J,O	< 120	< 5.8
Methyl bromide	µg/m3	22	< 1.9	< 2.0	< 22	< 2.2	< 1.9	< 2.4	< 2.3	< 55	< 2.6
Methyl chloride	µg/m3	390	1.5	1.5	< 11	2.9	1.7	1.6	1.8	< 28	< 1.8 ,O
Methyl tert-butyl ether	µg/m3	47	< 1.8	< 1.9	< 21	< 2.0	< 1.7	< 2.3	< 2.2	< 51	< 2.4
Methylene chloride	µg/m3	1,200	0.67 J,O	0.54 J,O	< 19	1.0 J,O	0.58 J,O	0.74 J,O	0.76 J,O	< 47	< 2.2
n-Hexane	µg/m3	3,100	0.75 J,O	0.75 J,O	< 20	0.92 J,O	0.53 J,O	3.3	1.1 J,O	< 48	0.48 J,O
o-Xylene	µg/m3	440	1.0 J,O	0.96 J,O	< 25	1.4 J,O	0.41 J,O	2.9	0.61 J,O	< 61	0.90 J,O
Styrene	µg/m3	4,400	11	21 J,O	< 24	15	0.70 J,O	1.4 J,O	0.59 J,O	< 59	0.48 J,O
Tetrachloroethene	µg/m3	**47**	< 3.3	< 3.5	< 3.8 ,J,O	< 3.7	< 3.2	< 4.1	< 3.9	< 93	< 4.4
Tetrahydrofuran	µg/m3	8,800	< 1.4	< 1.5	< 16	< 1.6	< 1.4	0.33 J,O	0.29 J,O	< 41	< 1.9
Toluene	µg/m3	22,000	1.8 J,O	1.3 J,O	< 21	1.9 J,O	1.7 J,O	60	4.4	8.8 J,O	7.0
trans-1,2-Dichloroethene	µg/m3	NS	< 2.0	0.30 J,O	< 23	< 2.3	< 2.0	< 2.6	< 2.4	< 58	< 2.7
trans-1,3-Dichloropropene	µg/m3	NS	< 2.1	< 2.2	< 24	< 2.3	< 2.0	< 2.6	< 2.5	< 59	< 2.8
Trichloroethene	µg/m3	**3**	0.47 J,O	0.46 J,O	< 3.2 ,J,O	< 3.1	< 2.6	**3.8**	< 3.3	**230**	**7.1**
Trichlorofluoromethane (Freon 11)	µg/m3	NS	2.2 J,O	2.1 J,O	< 33	2.2 J,O	1.9 J,O	2.2 J,O	1.8 J,O	< 82	1.9 J,O
Vinyl acetate	µg/m3	880	< 1.8	< 1.9	< 20	0.28 J,O	0.35 J,O	< 2.2	< 2.1	< 50	< 2.4
Vinyl bromide	µg/m3	0.38	< 2.2	< 2.3	< 25	< 2.5	< 2.1	< 2.7	< 2.6	< 62	< 2.9
Vinyl chloride	µg/m3	**2.8**	< 1.2	< 1.3	< 14	0.67 J,O	< 1.2	< 1.6	< 1.5	**16 J,O**	0.86 J,O

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Qualifiers - Organic:
J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.
J,O
U,J,O
U,O
UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.

Analyis performed by R4-SESD, KATAHDIN.

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-MNOP20 21-Apr-15 Indoor Air N R4-E151707-03	VI-MNOP21 23-Feb-15 Indoor Air N R4-E150905-23	VI-MNOP23 23-Feb-15 Indoor Air N R4-E150905-25	VI-MNOP26 23-Feb-15 Indoor Air N R4-E150905-29	VI-MNOP27 23-Feb-15 Indoor Air N R4-E150905-30	VI-MNOP27 23-Feb-15 Indoor Air N R4-E150905-31	VI-MNOP28 23-Feb-15 Indoor Air N R4-E150905-32	VI-MNOP29 23-Feb-15 Ambient Air N R4-E150905-33	VI-MNOP30 23-Feb-15 Ambient Air N R4-E150905-34	VI-MNOP31 23-Feb-15 Ambient Air N R4-E150905-35
µg/m3												
1,1,1-Trichloroethane	µg/m3	22,000	< 3.7	< 3.1	< 2.9	< 2.8	< 2.8	< 2.8	< 30	< 2.7	< 3.3	< 3.1
1,1,2,2-Tetrachloroethane	µg/m3	0.21	< 4.6	< 3.8	< 3.7	< 3.5	< 3.5	< 3.5	< 38	< 3.4	< 4.1	< 3.8
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	µg/m3	22,000	0.88 J,O	0.84 J,O	0.87 J,O	0.97 J,O	0.87 J,O	0.94 J,O	< 41	0.83 J,O	0.82 J,O	0.90 J,O
1,1,2-Trichloroethane	µg/m3	0.77	< 3.7	< 3.1	< 3.0	< 2.8	< 2.9	< 2.8	< 31	< 2.8	< 3.3	< 3.1
1,1-Dichloroethane	µg/m3	7.7	< 2.6	< 2.2	< 2.1	< 2.0	< 2.0	< 2.0	< 21	< 1.9	< 2.3	< 2.2
1,1-Dichloroethene	µg/m3	880	0.32 J,O	< 2.1	< 2.0	< 1.9	< 2.0	< 1.9	< 21	< 1.9	< 2.3	< 2.1
1,2,4-Trichlorobenzene	µg/m3	8.8	< 4.8	0.47 J,O	< 3.8	< 3.6	< 3.7	< 3.6	< 39	0.35 J,O	< 4.3	< 4.0
1,2,4-Trimethylbenzene	µg/m3	260	< 3.3	0.44 J,O	< 2.6	0.66 J,O	0.51 J,O	0.59 J,O	< 27	< 2.5	< 3.0	< 2.8
1,2-dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	µg/m3	NS	< 4.6	< 3.8	< 3.7	0.73 J,O	0.77 J,O	0.75 J,O	< 38	< 3.4	< 4.1	< 3.8
1,2-Dichlorobenzene	µg/m3	880	< 4.0	< 3.3	< 3.2	< 3.0	< 3.1	< 3.0	< 33	< 2.9	< 3.6	< 3.3
1,2-Dichloroethane	µg/m3	0.47	< 2.6	< 2.2	< 2.1	0.39 J,O	0.32 J,O	0.33 J,O	< 22	< 1.9	< 2.3	< 2.2
1,2-Dichloropropane	µg/m3	3.3	< 3.1	< 2.6	< 2.5	< 2.4	< 2.4	< 2.4	< 26	< 2.3	< 2.8	< 2.6
1,3,5-Trimethylbenzene	µg/m3	260	< 3.3	< 2.7	< 2.6	< 2.5	< 2.5	< 2.5	< 27	< 2.4	< 2.9	< 2.7
1,3-Butadiene	µg/m3	0.41	0.34 J,O	< 2.5	< 2.4	< 2.3	< 2.3	< 2.2	< 24	< 2.2	< 2.7	< 2.5
1,3-Dichlorobenzene	µg/m3	NS	< 4.0	< 3.3	< 3.2	< 3.0	< 3.1	< 3.0	< 33	< 3.0	< 3.6	< 3.3
1,4-Dichlorobenzene	µg/m3	1.1	1.1 J,O	< 3.3	< 3.2	< 3.0	< 3.1	< 3.0	< 33	< 3.0	< 3.6	< 3.3
1,4-Dioxane	µg/m3	**2.5**	< 2.4	0.39 J,O	< 1.9	< 1.8	< 1.9	< 1.8	< 20	< 1.8	< 2.2	< 2.0
2-Butanone	µg/m3	22,000	< 2.0	1.5 J,O	1.2 J,O	1.6 J,O	1.6 J,O	1.6 J,O	< 16	0.96 J,O	0.93 J,O	0.97 J,O
2-Hexanone	µg/m3	130	< 2.8	< 2.3	< 2.2	0.23 J,O	< 2.1	0.21 J,O	< 22	< 2.0	< 2.4	< 2.3
4-Ethyltoluene	µg/m3	NS	< 6.6	1.0 J,O	< 5.3	< 5.0	< 5.1	< 5.0	< 54	< 4.9	< 5.9	< 5.5
4-Methyl-2-pentanone	µg/m3	13,000	< 2.8	< 2.3	< 2.2	< 2.1	< 2.1	< 2.1	< 22	< 2.0	< 2.4	< 2.3
Acetone	µg/m3	140,000	< 45 ,O	160 J,O	6.5 J,O	23 J,O	21 J,O	21 J,O	< 21 ,O	5.1 J,O	4.8 J,O	5.0 J,O
Acrylonitrile	µg/m3	**0.18**	< 1.4	< 1.2	< 1.1	< 1.1	0.13 J,O	< 1.1	< 12	< 1.1	< 1.3	< 1.2
Allyl chloride	µg/m3	2	< 4.3	< 3.6	< 3.4	< 3.3	< 3.3	< 3.2	< 35	< 3.2	< 3.8	< 3.6
Benzene	µg/m3	**1.6**	1.3 J,O	**2.2**	1.5 J,O	1.0 J,O	1.0 J,O	1.0 J,O	< 17	0.98 J,O	0.98 J,O	0.97 J,O
Benzyl chloride	µg/m3	0.25	< 3.5	< 2.9	< 2.8	< 2.7	< 2.7	< 2.6	< 29	< 2.6	< 3.1	< 2.9
Bromodichloromethane	µg/m3	**0.33**	**0.68 J,O**	< 3.7	< 3.6	< 3.4	< 3.5	< 3.4	< 37	< 3.3	< 4.0	< 3.7
Bromoform	µg/m3	11	< 7.0	< 5.8	< 5.6	< 5.3	< 5.4	< 5.3	< 57	< 5.2	< 6.2	< 5.8
Carbon disulfide	µg/m3	3,100	< 2.1	< 1.7	< 1.6	0.24 J,O	0.20 J,O	0.25 J,O	< 17	< 1.5	< 1.8	< 1.7
Carbon tetrachloride	µg/m3	2	0.79 J,O	0.92 J,O	0.83 J,O	0.94 J,O	0.92 J,O	1.0 J,O	< 36	0.77 J,O	0.81 J,O	0.88 J,O
Chlorobenzene	µg/m3	220	< 3.1	< 2.6	< 2.5	< 2.3	< 2.4	< 2.3	< 25	< 2.3	< 2.8	< 2.6
Chloroethane	µg/m3	44,000	< 1.8	< 1.5	< 1.4	< 1.3	< 1.4	< 1.3	< 15	< 1.3	< 1.6	< 1.5
Chloroform	µg/m3	**0.53**	**1.7 J,O**	< 2.7	< 2.6	0.39 J,O	0.37 J,O	0.37 J,O	< 27	< 2.4	< 2.9	< 2.7
cis-1,2-Dichloroethene	µg/m3	NS	11	< 2.2	< 2.1	< 2.0	< 2.1	< 2.0	< 22	< 2.0	< 2.4	< 2.2
cis-1,3-Dichloropropene	µg/m3	NS	< 3.1	< 2.6	< 2.5	< 2.4	< 2.4	< 2.4	< 26	< 2.3	< 2.8	< 2.6
Cyclohexane	µg/m3	26,000	3.4	13	< 1.8	0.26 J,O	0.23 J,O	< 1.7	< 19	< 1.7	< 2.0	< 1.9
Dibromochloromethane	µg/m3	NS	< 5.7	< 4.7	< 4.5	< 4.3	< 4.4	< 4.3	< 46	< 4.2	< 5.0	< 4.7
Dichlorodifluoromethane (Freon 12)	µg/m3	440	3.5	3.9	3.5	5.4	4.8	4.9	4.7 J,O	3.6	3.5	3.5
Ethyl acetate	µg/m3	**310**	1.8 J,O	9.4	0.50 J,O	6.7	4.9	4.7	110	< 1.7	< 2.1	< 2.0

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-MNOP20 21-Apr-15 Indoor Air N R4-E151707-03	VI-MNOP21 23-Feb-15 Indoor Air N R4-E150905-23	VI-MNOP23 23-Feb-15 Indoor Air N R4-E150905-25	VI-MNOP26 23-Feb-15 Indoor Air N R4-E150905-29	VI-MNOP27 23-Feb-15 Indoor Air N R4-E150905-30	VI-MNOP27 23-Feb-15 Indoor Air N R4-E150905-31	VI-MNOP28 23-Feb-15 Indoor Air N R4-E150905-32	VI-MNOP29 23-Feb-15 Ambient Air N R4-E150905-33	VI-MNOP30 23-Feb-15 Ambient Air N R4-E150905-34	VI-MNOP31 23-Feb-15 Ambient Air N R4-E150905-35
Ethylbenzene	µg/m3	4.9	1.0 J,O	0.70 J,O	0.23 J,O	0.39 J,O	0.33 J,O	0.33 J,O	< 24	0.25 J,O	< 2.6	< 2.4
Ethylene dibromide	µg/m3	0.02	< 5.3	< 4.4	< 4.2	< 4.0	< 4.0	< 4.0	< 43	< 3.9	< 4.7	< 4.4
Heptane	µg/m3	1,800	0.72 J,O	7.6	0.27 J,O	0.44 J,O	0.24 J,O	0.30 J,O	4.3 J,O	0.40 J,O	0.38 J,O	0.36 J,O
Hexachlorobutadiene	µg/m3	0.56	< 7.1	< 5.8	< 5.6	< 5.3	< 5.4	< 5.3	< 57	< 5.2	< 6.3	< 5.8
Isooctane	µg/m3	NS	1.1 J,O	0.35 J,O	0.43 J,O	0.30 J,O	0.29 J,O	0.29 J,O	< 25	0.44 J,O	0.37 J,O	0.38 J,O
Isopropyl alcohol	µg/m3	**880**	< 12 ,O	< 1.8 ,O	< 1.4 ,O	200	170	180	190	< 1.3	< 1.5	< 1.4
m,p-Xylenes	µg/m3	NS	< 5.8	1.1 J,O	0.58 J,O	0.68 J,O	0.62 J,O	0.65 J,O	< 48	0.54 J,O	< 5.2	< 4.8
Methyl bromide	µg/m3	22	< 2.6	< 2.2	< 2.1	< 2.0	< 2.0	< 2.0	< 21	< 1.9	< 2.3	< 2.2
Methyl chloride	µg/m3	390	< 1.8 ,O	1.4	1.7	1.5	1.5	1.6	3.2 J,O	1.6	1.6	1.6
Methyl tert-butyl ether	µg/m3	47	< 2.5	< 2.0	< 2.0	< 1.9	< 1.9	< 1.9	< 20	< 1.8	< 2.2	< 2.0
Methylene chloride	µg/m3	1,200	< 2.2	0.48 J	0.57 J,O	0.55 J,O	0.53 J,O	0.65 J,O	< 18	0.72 J,O	0.54 J,O	0.58 J,O
n-Hexane	µg/m3	3,100	1.6 J,O	2.3	0.51 J,O	0.49 J,O	0.50 J,O	0.50 J,O	< 19	0.51 J,O	0.52 J,O	0.50 J,O
o-Xylene	µg/m3	440	1.1 J,O	0.59 J,O	0.24 J,O	0.32 J,O	0.29 J,O	0.31 J,O	< 24	0.24 J,O	< 2.6	< 2.4
Styrene	µg/m3	4,400	4.8	0.64 J,O	0.42 J,O	0.65 J,O	0.56 J,O	0.54 J,O	5.1 J,O	0.39 J,O	0.31 J,O	< 2.4
Tetrachloroethene	µg/m3	**47**	< 4.5	< 3.7	< 3.6	< 3.4	< 3.4	< 3.4	< 3.6 ,J,O	< 3.3	< 4.0	< 3.7
Tetrahydrofuran	µg/m3	8,800	< 1.9	< 1.6	< 1.5	< 1.5	< 1.5	< 1.5	< 16	< 1.4	< 1.7	< 1.6
Toluene	µg/m3	22,000	3.3	3.4	1.3 J,O	2.4	2.2	2.2	3.2 J,O	1.3 J,O	1.2 J,O	1.2 J,O
trans-1,2-Dichloroethene	µg/m3	NS	< 2.8	< 2.3	< 2.2	< 2.1	< 2.1	< 2.1	< 23	< 2.0	< 2.5	< 2.3
trans-1,3-Dichloropropene	µg/m3	NS	< 2.8	< 2.3	< 2.2	< 2.1	< 2.2	< 2.1	< 23	< 2.1	< 2.5	< 2.3
Trichloroethene	µg/m3	**3**	**35**	0.85 J,O	< 3.0	< 2.8	< 2.9	< 2.8	0.79 J,O	< 2.8	< 3.3	< 3.1
Trichlorofluoromethane (Freon 11)	µg/m3	NS	2.0 J,O	2.1 J,O	1.8 J,O	2.2 J,O	2.2 J,O	2.2 J,O	< 32	1.8 J,O	1.8 J,O	1.9 J,O
Vinyl acetate	µg/m3	880	< 2.4	< 2.0	< 1.9	< 1.8	< 1.8	< 1.8	< 20	< 1.8	< 2.1	< 2.0
Vinyl bromide	µg/m3	0.38	< 3.0	< 2.5	< 2.4	< 2.2	< 2.3	< 2.2	< 24	< 2.2	< 2.6	< 2.5
Vinyl chloride	µg/m3	**2.8**	**4.0**	< 1.4	< 1.3	< 1.3	< 1.3	< 1.3	< 14	< 1.2	< 1.5	< 1.4

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Qualifiers - Organic:
J = The analyte was positively identified; associated numerical value is the approximat
J,O
U,J,O
U,O
UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative e

Analyis performed by R4-SESD, KATAHDIN.

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SEWER CLEANOUT - 11RTP364-01	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SEWER CLEANOUT - 11RTP364-02	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SEWER CLEANOUT - 11RTP364-03	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SEWER CLEANOUT - 11RTP364-04
µg/m3						
1,1-Dichloroethene	µg/m3	880				
cis-1,2-Dichloroethene	µg/m3	NS				
Tetrachloroethene	µg/m3	**47**	*< 0.53*	*< 0.53*	*< 0.53*	*< 0.53*
trans-1,2-Dichloroethene	µg/m3	NS				
Trichloroethene	µg/m3	**3**	*< 0.47*	*< 0.47*	*< 0.47*	*< 0.47*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SEWER CLEANOUT - 11RTP364-05	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SEWER CLEANOUT - 11RTP364-06	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SURVEY ONE-11RTP361-01	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SURVEY ONE-11RTP361-02	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SURVEY ONE-11RTP361-03	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SURVEY ONE-11RTP361-04	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SURVEY ONE-11RTP361-05	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SURVEY ONE-11RTP361-06
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.53*	*< 0.53*	*< 0.53*	*< 0.53*	*< 0.53*	*< 0.53*	*< 0.53*	*< 0.53*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.47*	*< 0.47*	*< 0.47*	*< 0.47*	*< 0.47*	*< 0.47*	*< 0.47*	*< 0.47*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SURVEY ONE-11RTP361-07	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SURVEY ONE-11RTP361-08	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SURVEY ONE-11RTP361-09	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SURVEY ONE-11RTP361-10	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SURVEY ONE-11RTP361-11	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SURVEY ONE-11RTP361-12	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SURVEY ONE-11RTP361-13	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SURVEY ONE-11RTP361-14
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.53*	*< 0.53*	*< 0.53*	*< 0.53*	*< 0.53*	*< 0.53*	*< 0.53*	*< 0.53*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.47*	*< 0.47*	*< 0.47*	*< 0.47*	*< 0.47*	*< 0.47*	*< 0.47*	*< 0.47*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SURVEY ONE-11RTP361-15	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SURVEY ONE-11RTP361-16	VI-UNIT01 25-Aug-15 Indoor Air N UNIT 01-SURVEY ONE-11RTP361-17	VI-UNIT01 26-Aug-15 Indoor Air N UNIT 01-SURVEY TWO-11RTP373-01	VI-UNIT01 26-Aug-15 Indoor Air N UNIT 01-SURVEY TWO-11RTP373-02	VI-UNIT01 26-Aug-15 Indoor Air N UNIT 01-SURVEY TWO-11RTP373-03	VI-UNIT01 26-Aug-15 Indoor Air N UNIT 01-SURVEY TWO-11RTP373-04	VI-UNIT01 26-Aug-15 Indoor Air N UNIT 01-SURVEY TWO-11RTP373-05
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.53*	*< 0.53*	*< 0.53*	*< 0.92*	*< 0.92*	*< 0.92*	*< 0.92*	*< 0.92*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.47*	*< 0.47*	*< 0.47*	*< 0.82*	**6.8**	**6.9**	**7.7**	**13**

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT01 26-Aug-15 Indoor Air N UNIT 01-SURVEY TWO-11RTP373-06	VI-UNIT01 26-Aug-15 Indoor Air N UNIT 01-SURVEY TWO-11RTP373-07	VI-UNIT01 26-Aug-15 Indoor Air N UNIT 01-SURVEY TWO-11RTP373-08	VI-UNIT01 26-Aug-15 Indoor Air N UNIT 01-SURVEY TWO-11RTP373-09	VI-UNIT01 26-Aug-15 Indoor Air N UNIT 01-SURVEY TWO-11RTP373-10	VI-UNIT01 26-Aug-15 Indoor Air N UNIT 01-SURVEY TWO-11RTP373-11	VI-UNIT01 26-Aug-15 Indoor Air N UNIT 01-SURVEY TWO-11RTP373-12	VI-UNIT01 26-Aug-15 Indoor Air N UNIT 01-SURVEY TWO-11RTP373-13
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.92*	*< 0.92*	*< 0.92*	*< 0.92*	*< 0.92*	*< 0.92*	*< 0.92*	*< 0.92*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	**7.5**	**7.2**	**7.0**	**6.9**	**5.7**	**5.9**	**5.5**	**5.6**

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT01 26-Aug-15 Indoor Air N UNIT 01-SURVEY TWO-11RTP373-14	VI-UNIT01 26-Aug-15 Indoor Air N UNIT 01-SURVEY TWO-11RTP373-15	VI-UNIT01 26-Aug-15 Indoor Air N UNIT 01-SURVEY TWO-11RTP373-16	VI-UNIT01 26-Aug-15 Indoor Air N UNIT 01-SURVEY TWO-11RTP373-17	VI-UNIT01 26-Aug-15 Indoor Air N UNIT 01-SURVEY TWO-11RTP373-18	VI-UNIT01 26-Aug-15 Indoor Air N UNIT 01-SURVEY TWO-11RTP373-19	VI-UNIT01 28-Aug-15 Indoor Air N UNIT 1-SURVEY THREE-11RTP406-01	VI-UNIT01 28-Aug-15 Indoor Air N UNIT 1-SURVEY THREE-11RTP406-02
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.92*	*< 0.92*	*< 0.92*	*< 0.92*	*< 0.92*	*< 0.92*	*< 1.3*	*< 1.3*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	**5.7**	**5.5**	**5.8**	**6.2**	**5.0**	*< 0.82*	*< 1*	*< 1*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT01 28-Aug-15 Indoor Air N UNIT 1-SURVEY THREE-11RTP406-03	VI-UNIT01 28-Aug-15 Indoor Air N UNIT 1-SURVEY THREE-11RTP406-04	VI-UNIT01 28-Aug-15 Indoor Air N UNIT 1-SURVEY THREE-11RTP406-05	VI-UNIT01 28-Aug-15 Indoor Air N UNIT 1-SURVEY THREE-11RTP406-06	VI-UNIT01 28-Aug-15 Indoor Air N UNIT 1-SURVEY THREE-11RTP406-07	VI-UNIT01 28-Aug-15 Indoor Air N UNIT 1-SURVEY THREE-11RTP406-08	VI-UNIT01 28-Aug-15 Indoor Air N UNIT 1-SURVEY THREE-11RTP406-09	VI-UNIT01 28-Aug-15 Indoor Air N UNIT 1-SURVEY THREE-11RTP406-10
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 1.3*	*< 1.3*	*< 1.3*	*< 1.3*	*< 1.3*	*< 1.3*	*< 1.3*	*< 1.3*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 1*	*< 1*	*< 1*	*< 1*	*< 1*	*< 1*	*< 1*	*< 1*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT01 28-Aug-15 Indoor Air N UNIT 1-SURVEY THREE-11RTP406-11	VI-UNIT01 28-Aug-15 Indoor Air N UNIT 1-SURVEY THREE-11RTP406-12	VI-UNIT01 28-Aug-15 Indoor Air N UNIT 1-SURVEY THREE-11RTP406-13	VI-UNIT01 22-Dec-15 Indoor Air N MNO-IA-01A-UNIT1IA-20151222-01	VI-UNIT01 22-Dec-15 Indoor Air N MNO-IA-02A-UNIT1IA-20151222-01	VI-UNIT01 23-Dec-15 Indoor Air N MNO-IA-01B-UNIT1IA-20151223-01	VI-UNIT01 23-Dec-15 Indoor Air N MNO-IA-02B-UNIT1IA-20151223-01	VI-UNIT02 25-Aug-15 Indoor Air N UNIT 02-SURVEY ONE-11RTP362-01
µg/m3										
1,1-Dichloroethene	µg/m3	880				*< 0.4*	*< 0.4*	*< 0.4*	*< 0.4*	
cis-1,2-Dichloroethene	µg/m3	NS				*< 0.4*	*< 0.4*	*< 0.4*	*< 0.4*	
Tetrachloroethene	µg/m3	**47**	*< 1.3*	*< 1.3*	*< 1.3*	*< 0.68*	*< 0.68*	*< 0.68*	*< 0.68*	*< 0.53*
trans-1,2-Dichloroethene	µg/m3	NS				*< 0.4*	*< 0.4*	*< 0.4*	*< 0.4*	
Trichloroethene	µg/m3	**3**	*< 1*	*< 1*	*< 1*	0.64	0.64	0.59	0.59	*< 0.47*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT02 25-Aug-15 Indoor Air N UNIT 02-SURVEY ONE-11RTP362-02	VI-UNIT02 25-Aug-15 Indoor Air N UNIT 02-SURVEY ONE-11RTP362-03	VI-UNIT02 25-Aug-15 Indoor Air N UNIT 02-SURVEY ONE-11RTP362-04	VI-UNIT02 25-Aug-15 Indoor Air N UNIT 02-SURVEY ONE-11RTP362-05	VI-UNIT02 25-Aug-15 Indoor Air N UNIT 02-SURVEY ONE-11RTP362-06	VI-UNIT02 25-Aug-15 Indoor Air N UNIT 02-SURVEY TWO-11RTP363-01	VI-UNIT02 25-Aug-15 Indoor Air N UNIT 02-SURVEY TWO-11RTP363-02	VI-UNIT02 25-Aug-15 Indoor Air N UNIT 02-SURVEY TWO-11RTP363-03
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.53*	*< 0.53*	*< 0.53*	*< 0.53*	*< 0.53*	*< 0.53*	*< 0.53*	*< 0.53*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.47*	*< 0.47*	*< 0.47*	*< 0.47*	*< 0.47*	*< 0.47*	*< 0.47*	*< 0.47*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT02 25-Aug-15 Indoor Air N UNIT 02-SURVEY TWO-11RTP363-04	VI-UNIT02 25-Aug-15 Indoor Air N UNIT 02-SURVEY TWO-11RTP363-05	VI-UNIT02 25-Aug-15 Indoor Air N UNIT 02-SURVEY TWO-11RTP363-06	VI-UNIT03 25-Aug-15 Indoor Air N UNIT 03--11RTP366-01	VI-UNIT03 25-Aug-15 Indoor Air N UNIT 03--11RTP366-02	VI-UNIT03 25-Aug-15 Indoor Air N UNIT 03--11RTP366-03	VI-UNIT03 25-Aug-15 Indoor Air N UNIT 03--11RTP366-04	VI-UNIT03 25-Aug-15 Indoor Air N UNIT 03--11RTP366-05
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.53*	*< 0.53*	*< 0.53*	*< 0.58*	*< 0.58*	*< 0.58*	*< 0.58*	*< 0.58*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.47*	*< 0.47*	*< 0.47*	*< 0.32*	*< 0.32*	*< 0.32*	*< 0.32*	*< 0.32*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT03 25-Aug-15 Indoor Air N UNIT 03--11RTP366-06	VI-UNIT03 25-Aug-15 Indoor Air N UNIT 03--11RTP366-07	VI-UNIT03 25-Aug-15 Indoor Air N UNIT 03--11RTP366-08	VI-UNIT03 25-Aug-15 Indoor Air N UNIT 03--11RTP366-09	VI-UNIT03 25-Aug-15 Indoor Air N UNIT 03--11RTP366-10	VI-UNIT03 25-Aug-15 Indoor Air N UNIT 03--11RTP366-11	VI-UNIT03 25-Aug-15 Indoor Air N UNIT 03--11RTP366-12	VI-UNIT03 25-Aug-15 Indoor Air N UNIT 03--11RTP366-13
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.58*	0.65 J	*< 0.58*	*< 0.58*	1.9 J	0.68 J	*< 0.58*	*< 0.58*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.32*	*< 0.32*	*< 0.32*	*< 0.32*	*< 0.32*	*< 0.32*	*< 0.32*	*< 0.32*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT03 25-Aug-15 Indoor Air N UNIT 03--11RTP366-14	VI-UNIT03 25-Aug-15 Indoor Air N UNIT 03--11RTP366-15	VI-UNIT03 25-Aug-15 Indoor Air N UNIT 03--11RTP366-16	VI-UNIT03 25-Aug-15 Indoor Air N UNIT 03--11RTP366-17	VI-UNIT03 25-Aug-15 Indoor Air N UNIT 03--11RTP366-18	VI-UNIT03 25-Aug-15 Indoor Air N UNIT 03--11RTP366-19	VI-UNIT03 25-Aug-15 Indoor Air N UNIT 03--11RTP366-20	VI-UNIT03 25-Aug-15 Indoor Air N UNIT 03--11RTP366-21
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.58*	*< 0.58*	*< 0.58*	*< 0.58*	*< 0.58*	*< 0.58*	0.59 J	*< 0.58*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.32*	*< 0.32*	*< 0.32*	*< 0.32*	*< 0.32*	*< 0.32*	*< 0.32*	*< 0.32*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT03 25-Aug-15 Indoor Air N UNIT 03--11RTP366-22	VI-UNIT04 25-Aug-15 Indoor Air N UNIT 04--11RTP367-01	VI-UNIT04 25-Aug-15 Indoor Air N UNIT 04--11RTP367-02	VI-UNIT04 25-Aug-15 Indoor Air N UNIT 04--11RTP367-03	VI-UNIT04 25-Aug-15 Indoor Air N UNIT 04--11RTP367-04	VI-UNIT04 25-Aug-15 Indoor Air N UNIT 04--11RTP367-05	VI-UNIT04 25-Aug-15 Indoor Air N UNIT 04--11RTP367-06	VI-UNIT04 25-Aug-15 Indoor Air N UNIT 04--11RTP367-07
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.58*	*< 0.58*	*< 0.58*	*< 0.58*	*< 0.58*	*< 0.58*	*< 0.58*	*< 0.58*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.32*	*< 0.32*	*< 0.32*	*< 0.32*	*< 0.32*	*< 0.32*	*< 0.32*	*< 0.32*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT04 25-Aug-15 Indoor Air N UNIT 04--11RTP367-08	VI-UNIT04 25-Aug-15 Indoor Air N UNIT 04--11RTP367-09	VI-UNIT04 25-Aug-15 Indoor Air N UNIT 04--11RTP367-10	VI-UNIT04 25-Aug-15 Indoor Air N UNIT 04--11RTP367-11	VI-UNIT04 25-Aug-15 Indoor Air N UNIT 04--11RTP367-12	VI-UNIT04 25-Aug-15 Indoor Air N UNIT 04--11RTP367-13	VI-UNIT05 25-Aug-15 Indoor Air N UNIT 05--11RTP368-01	VI-UNIT05 25-Aug-15 Indoor Air N UNIT 05--11RTP368-02
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.58*	*< 0.58*	*< 0.58*	*< 0.58*	*< 0.58*	*< 0.58*	*< 0.58*	8.8
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.32*	*< 0.32*	*< 0.32*	*< 0.32*	*< 0.32*	*< 0.32*	*< 0.32*	1.2

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT05 25-Aug-15 Indoor Air N UNIT 05--11RTP368-03	VI-UNIT05 25-Aug-15 Indoor Air N UNIT 05--11RTP368-04	VI-UNIT05 25-Aug-15 Indoor Air N UNIT 05--11RTP368-05	VI-UNIT05 25-Aug-15 Indoor Air N UNIT 05--11RTP368-06	VI-UNIT05 25-Aug-15 Indoor Air N UNIT 05--11RTP368-07	VI-UNIT05 25-Aug-15 Indoor Air N UNIT 05--11RTP368-08	VI-UNIT05 25-Aug-15 Indoor Air N UNIT 05--11RTP368-09	VI-UNIT05 25-Aug-15 Indoor Air N UNIT 05--11RTP368-10
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	15 J	15 J	13 J	21 J	25 J	6.6 J	6.9 J	7.2 J
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	0.64	0.66	0.63	1.0	0.98	0.35	0.39	0.42

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT05 25-Aug-15 Indoor Air N UNIT 05--11RTP368-11	VI-UNIT05 25-Aug-15 Indoor Air N UNIT 05--11RTP368-12	VI-UNIT05 25-Aug-15 Indoor Air N UNIT 05--11RTP368-13	VI-UNIT05 25-Aug-15 Indoor Air N UNIT 05--11RTP368-14	VI-UNIT05 25-Aug-15 Indoor Air N UNIT 05--11RTP368-15	VI-UNIT05 25-Aug-15 Indoor Air N UNIT 05--11RTP368-16	VI-UNIT05 25-Aug-15 Indoor Air N UNIT 05--11RTP368-17	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY ONE-11RTP374-01
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	7.0 J	7.1 J	6.6 J	7.2 J	5.7 J	6.8 J	*< 0.58*	*< 0.92*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	0.37	0.38	0.34	0.38	0.35	0.37	*< 0.32*	*< 0.82*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY ONE-11RTP374-02	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY ONE-11RTP374-03	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY ONE-11RTP374-04	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY ONE-11RTP374-05	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY ONE-11RTP374-06	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY ONE-11RTP374-07	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY ONE-11RTP374-08	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY ONE-11RTP374-09
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.92*	*< 0.92*	*< 0.92*	*< 0.92*	*< 0.92*	*< 0.92*	*< 0.92*	*< 0.92*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.82*	*< 0.82*	*< 0.82*	*< 0.82*	*< 0.82*	*< 0.82*	*< 0.82*	*< 0.82*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY ONE-11RTP374-10	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY ONE-11RTP374-11	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY ONE-11RTP374-12	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY ONE-11RTP374-13	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY TWO-11RTP375-01	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY TWO-11RTP375-02	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY TWO-11RTP375-03	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY TWO-11RTP375-04
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.92*	*< 0.92 J*	*< 0.92 J*	*< 0.92*	*< 0.92*	*< 0.92*	*< 0.92*	*< 0.92*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.82*	0.93	1.7	*< 0.82*	*< 0.82*	**4.3**	2.8	**3.3**

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY TWO-11RTP375-05	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY TWO-11RTP375-06	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY TWO-11RTP375-07	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY TWO-11RTP375-08	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY TWO-11RTP375-09	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY TWO-11RTP375-10	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY TWO-11RTP375-11	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY TWO-11RTP375-12
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.92*	*< 0.92*	*< 0.92 J*	*< 0.92*	*< 0.92*	*< 0.92*	*< 0.92*	*< 0.92*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	**9.0**	**8.8**	2.7	**19**	**17**	**19**	**11**	*< 0.82*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY TWO-11RTP375-13	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY TWO-11RTP375-14	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY TWO-11RTP375-15	VI-UNIT06 26-Aug-15 Indoor Air N UNIT 06-SURVEY TWO-11RTP375-16	VI-UNIT06 22-Dec-15 Indoor Air N MNO-IA-03A-DUP-UNIT6IA-20151222-01	VI-UNIT06 22-Dec-15 Indoor Air N MNO-IA-03A-UNIT6IA-20151222-01	VI-UNIT06 22-Dec-15 Indoor Air N MNO-IA-04A-UNIT6IA-20151222-01	VI-UNIT06 23-Dec-15 Indoor Air N MNO-IA-03B-UNIT6IA-20151223-01
µg/m3										
1,1-Dichloroethene	µg/m3	880					*< 0.4*	*< 0.4*	*< 0.4*	*< 0.4*
cis-1,2-Dichloroethene	µg/m3	NS					*< 0.4*	*< 0.4*	*< 0.4*	*< 0.4*
Tetrachloroethene	µg/m3	**47**	*< 0.92*	*< 0.92*	*< 0.92 J*	*< 0.92*	0.66 J	0.64 J	*< 0.68*	0.67 J
trans-1,2-Dichloroethene	µg/m3	NS					*< 0.4*	*< 0.4*	*< 0.4*	*< 0.4*
Trichloroethene	µg/m3	**3**	**5.3**	*< 0.82*	1.6	*< 0.82*	**15**	**15**	**21**	**20**

Notes:

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above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT06 23-Dec-15 Indoor Air N MNO-IA-04B-UNIT6IA-20151223-01	VI-UNIT06 24-Mar-16 Indoor Air N MNO-IA-03C-DUP-UNIT6IA-20160324-01	VI-UNIT06 24-Mar-16 Indoor Air N MNO-IA-03C-UNIT6IA-20160324-01	VI-UNIT06 25-Mar-16 Indoor Air N MNO-IA-03D-UNIT6IA-20160325-01	VI-UNIT06 10-May-16 Indoor Air N MNO-IA-03F-DUP-UNIT6IA-20160511-01	VI-UNIT06 10-May-16 Indoor Air N MNO-IA-03F-UNIT6IA-20160511-01	VI-UNIT06 11-May-16 Indoor Air N MNO-IA-03E-DUP-UNIT6IA-20160511-01	VI-UNIT06 11-May-16 Indoor Air N MNO-IA-03E-UNIT6IA-20160511-01
µg/m3										
1,1-Dichloroethene	µg/m3	880	*< 0.4*	*< 0.2*	*< 0.2*	*< 0.2*	*< 0.2*	*< 0.2*	*< 0.2*	*< 0.2*
cis-1,2-Dichloroethene	µg/m3	NS	*< 0.4*	*< 0.2*	*< 0.2*	*< 0.2*	*< 0.2*	*< 0.2*	*< 0.2*	*< 0.2*
Tetrachloroethene	µg/m3	**47**	*< 0.68*	0.45 J	0.45 J	0.74	0.34 J	0.31 J	0.33 J	0.36 J
trans-1,2-Dichloroethene	µg/m3	NS	*< 0.4*	*< 0.2*	*< 0.2*	*< 0.2*	*< 0.2*	*< 0.2*	*< 0.2*	*< 0.2*
Trichloroethene	µg/m3	**3**	**22**	**9.7**	**9.7**	**35**	**4.6**	**4.3**	**6.4**	**5.9**

Notes:

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above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT06 11-May-16 Indoor Air N MNO-IA-03H-UNIT6IA-20160511-01	VI-UNIT06 12-May-16 Indoor Air N MNO-IA-03G-UNIT6IA-20160512-01	VI-UNIT07 26-Aug-15 Indoor Air N UNIT 07--11RTP377-01	VI-UNIT07 26-Aug-15 Indoor Air N UNIT 07--11RTP377-02	VI-UNIT07 26-Aug-15 Indoor Air N UNIT 07--11RTP377-03	VI-UNIT07 26-Aug-15 Indoor Air N UNIT 07--11RTP377-04	VI-UNIT07 26-Aug-15 Indoor Air N UNIT 07--11RTP377-05	VI-UNIT08 26-Aug-15 Indoor Air N UNIT 08--11RTP378-01
µg/m3										
1,1-Dichloroethene	µg/m3	880	*< 0.2*	*< 0.2*						
cis-1,2-Dichloroethene	µg/m3	NS	*< 0.2*	*< 0.2*						
Tetrachloroethene	µg/m3	**47**	*< 0.34*	*< 0.34*	*< 1.2*	*< 1.2*	*< 1.2*	*< 1.2*	*< 1.2*	*< 1.2*
trans-1,2-Dichloroethene	µg/m3	NS	*< 0.2*	*< 0.2*						
Trichloroethene	µg/m3	**3**	**5.3**	**10**	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT08 26-Aug-15 Indoor Air N UNIT 08--11RTP378-02	VI-UNIT08 26-Aug-15 Indoor Air N UNIT 08--11RTP378-03	VI-UNIT08 26-Aug-15 Indoor Air N UNIT 08--11RTP378-04	VI-UNIT08 26-Aug-15 Indoor Air N UNIT 08--11RTP378-05	VI-UNIT08 26-Aug-15 Indoor Air N UNIT 08--11RTP378-06	VI-UNIT08 26-Aug-15 Indoor Air N UNIT 08--11RTP378-07	VI-UNIT08 26-Aug-15 Indoor Air N UNIT 08--11RTP378-08	VI-UNIT08 26-Aug-15 Indoor Air N UNIT 08--11RTP378-09
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 1.2*	*< 1.2*	*< 1.2*	*< 1.2*	*< 1.2*	*< 1.2*	*< 1.2*	*< 1.2*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT09 26-Aug-15 Indoor Air N UNIT 09--11RTP380-01	VI-UNIT09 26-Aug-15 Indoor Air N UNIT 09--11RTP380-02	VI-UNIT09 26-Aug-15 Indoor Air N UNIT 09--11RTP380-03	VI-UNIT09 26-Aug-15 Indoor Air N UNIT 09--11RTP380-04	VI-UNIT09 26-Aug-15 Indoor Air N UNIT 09--11RTP380-05	VI-UNIT09 26-Aug-15 Indoor Air N UNIT 09--11RTP380-06	VI-UNIT09 26-Aug-15 Indoor Air N UNIT 09--11RTP380-07	VI-UNIT09 26-Aug-15 Indoor Air N UNIT 09--11RTP380-08
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 1.2*	*< 1.2*	*< 1.2*	*< 1.2*	*< 1.2*	*< 1.2*	*< 1.2*	*< 1.2*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT09 26-Aug-15 Indoor Air N UNIT 09--11RTP380-09	VI-UNIT09 26-Aug-15 Indoor Air N UNIT 09--11RTP380-10	VI-UNIT09 26-Aug-15 Indoor Air N UNIT 09--11RTP380-11	VI-UNIT09 26-Aug-15 Indoor Air N UNIT 09--11RTP380-12	VI-UNIT10 26-Aug-15 Indoor Air N UNIT 10--11RTP381-01	VI-UNIT10 26-Aug-15 Indoor Air N UNIT 10--11RTP381-02	VI-UNIT10 26-Aug-15 Indoor Air N UNIT 10--11RTP381-03	VI-UNIT10 26-Aug-15 Indoor Air N UNIT 10--11RTP381-04
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 1.2*	*< 1.2*	*< 1.2*	*< 1.2*	*< 1.2*	1.3 J	1.6 J	1.6 J
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT10 26-Aug-15 Indoor Air N UNIT 10--11RTP381-05	VI-UNIT10 26-Aug-15 Indoor Air N UNIT 10--11RTP381-06	VI-UNIT10 26-Aug-15 Indoor Air N UNIT 10--11RTP381-07	VI-UNIT10 26-Aug-15 Indoor Air N UNIT 10--11RTP381-08	VI-UNIT10 26-Aug-15 Indoor Air N UNIT 10--11RTP381-09	VI-UNIT10 26-Aug-15 Indoor Air N UNIT 10--11RTP381-10	VI-UNIT10 26-Aug-15 Indoor Air N UNIT 10--11RTP381-11	VI-UNIT10 26-Aug-15 Indoor Air N UNIT 10--11RTP381-12
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	1.4	1.3	1.5	1.3	1.6	1.5	*< 1.2*	*< 1.2*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT10 26-Aug-15 Indoor Air N UNIT 10--11RTP381-13	VI-UNIT11 27-Aug-15 Indoor Air N UNIT 11--11RTP387-01	VI-UNIT11 27-Aug-15 Indoor Air N UNIT 11--11RTP387-02	VI-UNIT11 27-Aug-15 Indoor Air N UNIT 11--11RTP387-03	VI-UNIT11 27-Aug-15 Indoor Air N UNIT 11--11RTP387-04	VI-UNIT11 27-Aug-15 Indoor Air N UNIT 11--11RTP387-05	VI-UNIT11 27-Aug-15 Indoor Air N UNIT 11--11RTP387-06	VI-UNIT11 27-Aug-15 Indoor Air N UNIT 11--11RTP387-07
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 1.2*	*< 0.74*	1.5 J	1.2 J	1.4 J	1.2 J	1.2 J	*< 0.74*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.71*	*< 0.56*	*< 0.56*	*< 0.56*	*< 0.56*	*< 0.56*	*< 0.56*	*< 0.56*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT11 27-Aug-15 Indoor Air N UNIT 11--11RTP387-08	VI-UNIT11 27-Aug-15 Indoor Air N UNIT 11--11RTP387-09	VI-UNIT11 27-Aug-15 Indoor Air N UNIT 11--11RTP387-10	VI-UNIT11 27-Aug-15 Indoor Air N UNIT 11--11RTP387-11	VI-UNIT12 27-Aug-15 Indoor Air N UNIT 12-SURVEY ONE-11RTP388-01	VI-UNIT12 27-Aug-15 Indoor Air N UNIT 12-SURVEY ONE-11RTP388-02	VI-UNIT12 27-Aug-15 Indoor Air N UNIT 12-SURVEY ONE-11RTP388-03	VI-UNIT12 27-Aug-15 Indoor Air N UNIT 12-SURVEY ONE-11RTP388-04
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.74*	1.0 J	*< 0.74*	*< 0.74*	*< 0.74*	*< 0.74*	*< 0.74*	*< 0.74 J*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.56*	*< 0.56*	*< 0.56*	*< 0.56*	*< 0.56*	*< 0.56*	*< 0.56*	0.69

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT12 27-Aug-15 Indoor Air N UNIT 12-SURVEY ONE-11RTP388-05	VI-UNIT12 27-Aug-15 Indoor Air N UNIT 12-SURVEY ONE-11RTP388-06	VI-UNIT12 27-Aug-15 Indoor Air N UNIT 12-SURVEY ONE-11RTP388-07	VI-UNIT12 27-Aug-15 Indoor Air N UNIT 12-SURVEY TWO-11RTP389-01	VI-UNIT12 27-Aug-15 Indoor Air N UNIT 12-SURVEY TWO-11RTP389-02	VI-UNIT12 27-Aug-15 Indoor Air N UNIT 12-SURVEY TWO-11RTP389-03	VI-UNIT12 27-Aug-15 Indoor Air N UNIT 12-SURVEY TWO-11RTP389-04	VI-UNIT12 27-Aug-15 Indoor Air N UNIT 12-SURVEY TWO-11RTP389-05
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.74*	*< 0.74*	*< 0.74*	*< 0.74*	*< 0.74*	*< 0.74 J*	*< 0.74 J*	*< 0.74*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	2.8	**14**	*< 0.56*	*< 0.56*	*< 0.56*	0.75	0.77	2.0

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT12 27-Aug-15 Indoor Air N UNIT 12-SURVEY TWO-11RTP389-06	VI-UNIT12 27-Aug-15 Indoor Air N UNIT 12-SURVEY TWO-11RTP389-07	VI-UNIT12 27-Aug-15 Indoor Air N UNIT 12-SURVEY TWO-11RTP389-08	VI-UNIT12 27-Aug-15 Indoor Air N UNIT 12-SURVEY TWO-11RTP389-09	VI-UNIT12 27-Aug-15 Indoor Air N UNIT 12-SURVEY TWO-11RTP389-10	VI-UNIT12 27-Aug-15 Indoor Air N UNIT 12-SURVEY TWO-11RTP389-11	VI-UNIT12 27-Aug-15 Indoor Air N UNIT 12-SURVEY TWO-11RTP389-12	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-01
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.74 J*	*< 0.74*	*< 0.74*	*< 0.74*	*< 0.74*	*< 0.74*	*< 0.74*	*< 0.74*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	0.79	*< 0.56*	*< 0.56*	*< 0.56*	*< 0.56*	*< 0.56*	*< 0.56*	*< 0.56*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-02	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-03	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-04	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-05	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-06	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-07	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-08	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-09
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.74*	*< 0.74*	*< 0.74 J*	*< 0.74 J*	*< 0.74*	*< 0.74*	*< 0.74*	*< 0.74*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.56*	*< 0.56*	0.56	0.59	*< 0.56*	*< 0.56*	*< 0.56*	*< 0.56*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-10	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-11	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-12	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-13	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-14	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-15	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-16	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-17
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.74*	*< 0.74*	*< 0.74*	*< 0.74 J*	*< 0.74 J*	*< 0.74*	*< 0.74 J*	*< 0.74*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.56*	*< 0.56*	*< 0.56*	0.73	0.87	*< 0.56*	0.59	*< 0.56*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-18	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-19	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-20	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-21	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-22	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-23	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-24	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13--11RTP390-25
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.74*	*< 0.74*	*< 0.74*	*< 0.74*	*< 0.74*	*< 0.74*	*< 0.74*	*< 0.74*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.56*	*< 0.56*	*< 0.56*	*< 0.56*	*< 0.56*	*< 0.56*	*< 0.56*	*< 0.56*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13-- 11RTP390-26	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13-- 11RTP390-27	VI-UNIT13 27-Aug-15 Indoor Air N UNIT 13-- 11RTP390-28	VI-UNIT14 27-Aug-15 Indoor Air N UNIT 14-- 11RTP392-01	VI-UNIT14 27-Aug-15 Indoor Air N UNIT 14-- 11RTP392-02	VI-UNIT14 27-Aug-15 Indoor Air N UNIT 14-- 11RTP392-03	VI-UNIT14 27-Aug-15 Indoor Air N UNIT 14-- 11RTP392-04	VI-UNIT14 27-Aug-15 Indoor Air N UNIT 14-- 11RTP392-05
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.74*	*< 0.74*	*< 0.74*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.56*	*< 0.56*	*< 0.56*	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT14 27-Aug-15 Indoor Air N UNIT 14--11RTP392-06	VI-UNIT14 27-Aug-15 Indoor Air N UNIT 14--11RTP392-07	VI-UNIT14 27-Aug-15 Indoor Air N UNIT 14--11RTP392-08	VI-UNIT14 27-Aug-15 Indoor Air N UNIT 14--11RTP392-09	VI-UNIT14 27-Aug-15 Indoor Air N UNIT 14--11RTP392-10	VI-UNIT14 27-Aug-15 Indoor Air N UNIT 14--11RTP392-11	VI-UNIT14 27-Aug-15 Indoor Air N UNIT 14--11RTP392-12	VI-UNIT14 27-Aug-15 Indoor Air N UNIT 14--11RTP392-13
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT14 27-Aug-15 Indoor Air N UNIT 14--11RTP392-14	VI-UNIT14 27-Aug-15 Indoor Air N UNIT 14--11RTP392-15	VI-UNIT14 27-Aug-15 Indoor Air N UNIT 14--11RTP392-16	VI-UNIT14 27-Aug-15 Indoor Air N UNIT 14--11RTP392-17	VI-UNIT14 27-Aug-15 Indoor Air N UNIT 14--11RTP392-18	VI-UNIT14 27-Aug-15 Indoor Air N UNIT 14--11RTP392-19	VI-UNIT14 27-Aug-15 Indoor Air N UNIT 14--11RTP392-20	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY ONE-11RTP393-01
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY ONE-11RTP393-02	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY ONE-11RTP393-03	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY ONE-11RTP393-04	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY ONE-11RTP393-05	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY ONE-11RTP393-06	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY ONE-11RTP393-07	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY ONE-11RTP393-08	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY ONE-11RTP393-09
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY ONE-11RTP393-10	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY ONE-11RTP393-11	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY ONE-11RTP393-12	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY TWO-11RTP394-01	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY TWO-11RTP394-02	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY TWO-11RTP394-03	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY TWO-11RTP394-04	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY TWO-11RTP394-05
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	14	3.9 J	*< 0.71*	*< 0.71*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*	2.8	0.81	*< 0.48*	*< 0.48*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY TWO-11RTP394-06	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY TWO-11RTP394-07	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY TWO-11RTP394-08	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY TWO-11RTP394-09	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY TWO-11RTP394-10	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY TWO-11RTP394-11	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY TWO-11RTP394-12	VI-UNIT15 27-Aug-15 Indoor Air N UNIT 15-SURVEY TWO-11RTP394-13
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*	*< 0.71*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*	*< 0.48*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT16 28-Aug-15 Indoor Air N UNIT 16--11RTP400-01	VI-UNIT16 28-Aug-15 Indoor Air N UNIT 16--11RTP400-02	VI-UNIT16 28-Aug-15 Indoor Air N UNIT 16--11RTP400-03	VI-UNIT16 28-Aug-15 Indoor Air N UNIT 16--11RTP400-04	VI-UNIT16 28-Aug-15 Indoor Air N UNIT 16--11RTP400-05	VI-UNIT17 28-Aug-15 Indoor Air N UNIT 17--11RTP401-01	VI-UNIT17 28-Aug-15 Indoor Air N UNIT 17--11RTP401-02	VI-UNIT17 28-Aug-15 Indoor Air N UNIT 17--11RTP401-03
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 1.4*	*< 1.4*	*< 1.4*	*< 1.4 J*	*< 1.4*	*< 1.4*	*< 1.4*	*< 1.4*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.81*	*< 0.81*	*< 0.81*	0.82	*< 0.81*	*< 0.81*	*< 0.81*	*< 0.81*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT17 28-Aug-15 Indoor Air N UNIT 17-- 11RTP401-04	VI-UNIT17 28-Aug-15 Indoor Air N UNIT 17-- 11RTP401-05	VI-UNIT17 28-Aug-15 Indoor Air N UNIT 17-- 11RTP401-06	VI-UNIT17 28-Aug-15 Indoor Air N UNIT 17-- 11RTP401-07	VI-UNIT17 28-Aug-15 Indoor Air N UNIT 17-- 11RTP401-08	VI-UNIT17 28-Aug-15 Indoor Air N UNIT 17-- 11RTP401-09	VI-UNIT18 28-Aug-15 Indoor Air N UNIT 18-- 11RTP402-01	VI-UNIT18 28-Aug-15 Indoor Air N UNIT 18-- 11RTP402-02
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 1.4*	*< 1.4*	*< 1.4*	*< 1.4*	*< 1.4*	*< 1.4*	*< 1.4*	*< 1.4*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.81*	*< 0.81*	*< 0.81*	*< 0.81*	*< 0.81*	*< 0.81*	*< 0.81*	*< 0.81*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT18 28-Aug-15 Indoor Air N UNIT 18--11RTP402-03	VI-UNIT18 28-Aug-15 Indoor Air N UNIT 18--11RTP402-04	VI-UNIT18 28-Aug-15 Indoor Air N UNIT 18--11RTP402-05	VI-UNIT18 28-Aug-15 Indoor Air N UNIT 18--11RTP402-06	VI-UNIT18 28-Aug-15 Indoor Air N UNIT 18--11RTP402-07	VI-UNIT18 28-Aug-15 Indoor Air N UNIT 18--11RTP402-08	VI-UNIT18 28-Aug-15 Indoor Air N UNIT 18--11RTP402-09	VI-UNIT18 28-Aug-15 Indoor Air N UNIT 18--11RTP402-10
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 1.4*	*< 1.4*	*< 1.4*	*< 1.4*	*< 1.4*	*< 1.4 J*	*< 1.4*	*< 1.4 J*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.81*	*< 0.81*	*< 0.81*	*< 0.81*	**3.5**	1.6	**3.1**	1.3

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT18 28-Aug-15 Indoor Air N UNIT 18-- 11RTP402-11	VI-UNIT18 28-Aug-15 Indoor Air N UNIT 18-- 11RTP402-12	VI-UNIT19 28-Aug-15 Indoor Air N UNIT 19 -- 11RTP403-01	VI-UNIT19 28-Aug-15 Indoor Air N UNIT 19 -- 11RTP403-02	VI-UNIT19 28-Aug-15 Indoor Air N UNIT 19 -- 11RTP403-03	VI-UNIT19 28-Aug-15 Indoor Air N UNIT 19 -- 11RTP403-04	VI-UNIT19 28-Aug-15 Indoor Air N UNIT 19 -- 11RTP403-05	VI-UNIT19 28-Aug-15 Indoor Air N UNIT 19 -- 11RTP403-06
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 1.4 J*	*< 1.4*	*< 1.4*	*< 1.4*	*< 1.4*	*< 1.4*	*< 1.4*	*< 1.4*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	1.5	*< 0.81*	*< 0.81*	*< 0.81*	*< 0.81*	*< 0.81*	*< 0.81*	*< 0.81*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT19 28-Aug-15 Indoor Air N UNIT 19 -- 11RTP403-07	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20-- 11RTP405-01	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20-- 11RTP405-02	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20-- 11RTP405-03	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20-- 11RTP405-04	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20-- 11RTP405-05	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20-- 11RTP405-06	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20-- 11RTP405-07
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 1.4*	*< 1.3*	14	15	15	14	16	25
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 0.81*	*< 1*	*< 1*	*< 1*	*< 1*	*< 1*	*< 1*	*< 1*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20--11RTP405-08	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20--11RTP405-09	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20--11RTP405-10	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20--11RTP405-11	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20--11RTP405-12	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20--11RTP405-13	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20--11RTP405-14	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20--11RTP405-15
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	21	40	**340**	5.2	2.4 J	2.5 J	2.7 J	*< 1.3*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 1*	*< 1*	1.2 J	*< 1*	*< 1*	*< 1*	*< 1*	*< 1*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20--11RTP405-16	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20--11RTP405-17	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20--11RTP405-18	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20--11RTP405-19	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20--11RTP405-20	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20--11RTP405-21	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20--11RTP405-22	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20--11RTP405-23
µg/m3										
1,1-Dichloroethene	µg/m3	880								
cis-1,2-Dichloroethene	µg/m3	NS								
Tetrachloroethene	µg/m3	**47**	*< 1.3*	11	4.1 J	37	38	14	13	*< 1.3*
trans-1,2-Dichloroethene	µg/m3	NS								
Trichloroethene	µg/m3	**3**	*< 1*	*< 1*	*< 1*	*< 1*	*< 1*	*< 1*	*< 1*	*< 1*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 4
Indoor Air and Ambient Air Summary Table
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Analyte	Unit	EPA-VISL-IA-COMM-THQ-1.0_10-6	VI-UNIT20 28-Aug-15 Indoor Air N UNIT 20-- 11RTP405-24
µg/m3			
1,1-Dichloroethene	µg/m3	880	
cis-1,2-Dichloroethene	µg/m3	NS	
Tetrachloroethene	µg/m3	**47**	*< 1.3*
trans-1,2-Dichloroethene	µg/m3	NS	
Trichloroethene	µg/m3	**3**	*< 1*

Notes:

< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
NS = No Standard
Units are in µg/m3 = micrograms per cubic meter

Table 5
Human Health COPC Screening: Surface Soil
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent (a)	CAS	Surrogate (b)	Detection Frequency	% Detects	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	Background Detection Frequency (c)	Background Range (c)	Industrial RSL (d)	# Detects > Ind RSL	# DLs > Ind RSL	COPC Flag (Y/N)	Rationale for Excluding (e)
Inorganics (mg/kg)														
Aluminum	7429-90-5	-	43 / 43	100%	2500 - 11000	AIP-137	-	1 / 1	6600	110000	-	-	N	BSL
Antimony	7440-36-0	-	4 / 17	24%	0.5 - 8.7	AIP-132	6.3 - 6.8	1 / 1	0.82	47	-	-	N	BSL
Arsenic	7440-38-2	-	43 / 43	100%	0.79 - 9.6	AIP-132	-	1 / 1	2.2	3	3	-	N	BKG
Barium	7440-39-3	-	43 / 43	100%	13 - 140	AIP-110	-	1 / 1	53	22000	-	-	N	BSL
Beryllium	7440-41-7	-	25 / 55	45%	0.064 - 0.6	AIP-134	0.52 - 0.64	0 / 1	<0.58	230	-	-	N	BSL
Cadmium	7440-43-9	-	19 / 55	35%	0.029 - 15	AIP-136	0.2 - 0.64	0 / 1	<0.58	98	-	-	N	BSL
Calcium	7440-70-2	-	43 / 43	100%	130 - 14000	AIP-132	-	1 / 1	1400	NHHC	-	-	N	NHHC
Chromium	7440-47-3	Chromium III	55 / 55	100%	3.5 - 420	AIP-132	-	1 / 1	170	180000	-	-	N	BSL
Cobalt	7440-48-4	-	3 / 43	7%	1 - 6.7	AIP-132	5.2 - 5.8	0 / 1	<5.8	35	-	-	N	BSL
Copper	7440-50-8	-	54 / 55	98%	1.6 - 250	AIP-132	4.06 - 4.06	1 / 1	34	4700	-	-	N	BSL
Cyanide CN-	57-12-5	-	0 / 40	0%	-	-	2.6 - 3.2	0 / 1	<2.9	15	-	-	N	ND
Iron	7439-89-6	-	43 / 43	100%	2500 - 170000	AIP-132	-	1 / 1	12000	82000	2	-	Y	-
Lead	7439-92-1	-	55 / 55	100%	3.5 - 1000	AIP-136	-	1 / 1	57	800	1	-	Y	-
Magnesium	7439-95-4	-	43 / 43	100%	29 - 4800	AIP-118	-	1 / 1	640	NHHC	-	-	N	NHHC
Manganese	7439-96-5	-	43 / 43	100%	24 - 1800	AIP-132	-	1 / 1	150	2600	-	-	N	BSL
Mercury	7439-97-6	-	13 / 49	27%	0.022 - 1.3	AIP-134	0.05 - 0.13	1 / 2	0.073	4.6	-	-	N	BSL
Nickel	7440-02-0	-	50 / 55	91%	0.52 - 440	AIP-132	2 - 3.6	1 / 1	3.6	2200	-	-	N	BSL
Potassium	7440-09-7	-	43 / 43	100%	32 - 5800	AIP-118	-	1 / 1	330	NHHC	-	-	N	NHHC
Selenium	7782-49-2	-	11 / 38	29%	0.26 - 1.41	ISL-007	0.081 - 4.4	-	-	580	-	-	N	BSL
Silver	7440-22-4	-	4 / 55	7%	0.2 - 6.9	AIP-134	0.21 - 1.2	0 / 1	<1.2	580	-	-	N	BSL
Sodium	7440-23-5	-	43 / 43	100%	2.9 - 82	AIP-132	-	1 / 1	24	NHHC	-	-	N	NHHC
Thallium	7440-28-0	-	3 / 55	5%	0.32 - 0.46	ISL-008	0.084 - 3.2	0 / 1	<2.9	1.2	-	42	N	BSL
Vanadium	7440-62-2	-	43 / 43	100%	7.1 - 57	AIP-103	-	1 / 1	34	580	-	-	N	BSL
Zinc	7440-66-6	-	45 / 55	82%	6.7 - 510	AIP-136	6.5 - 10.8	1 / 1	240	35000	-	-	N	BSL
PCBs (mg/kg)														
Aroclor 1016	12674-11-2	-	0 / 43	0%	-	-	0.033 - 0.43	0 / 1	<0.038	5.1	-	-	N	ND
Aroclor 1221	11104-28-2	-	0 / 43	0%	-	-	0.033 - 0.43	0 / 1	<0.038	0.83	-	-	N	ND
Aroclor 1232	11141-16-5	-	0 / 43	0%	-	-	0.033 - 0.43	0 / 1	<0.038	0.72	-	-	N	ND
Aroclor 1242	53469-21-9	-	0 / 43	0%	-	-	0.033 - 0.43	0 / 1	<0.038	0.95	-	-	N	ND
Aroclor 1248	12672-29-6	-	1 / 43	2%	0.11	AIP-131	0.033 - 0.43	0 / 1	<0.038	0.95	-	-	N	BSL
Aroclor 1254	11097-69-1	-	1 / 43	2%	0.24	AIP-131	0.033 - 0.43	1 / 1	0.021	0.97	-	-	N	BSL
Aroclor 1260	11096-82-5	-	6 / 43	14%	0.0047 - 11	AIP-111	0.033 - 0.046	1 / 1	0.068	0.99	2	-	Y	-
Aroclor 1262	37324-23-5	-	0 / 43	0%	-	-	0.033 - 0.43	0 / 1	<0.038	NS	-	-	N	ND
Aroclor 1268	11100-14-4	-	0 / 43	0%	-	-	0.033 - 0.43	0 / 1	<0.038	NS	-	-	N	ND
Energetics (mg/kg)														
2,4-Dinitrotoluene	121-14-2	-	0 / 67	0%	-	-	0.024 - 14.2	0 / 1	<0.2	7.4	-	1	N	ND
2,6-Dinitrotoluene	606-20-2	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	1.5	-	3	N	ND
Nitrobenzene	98-95-3	-	0 / 67	0%	-	-	0.057 - 14.2	0 / 1	<0.2	22	-	-	N	ND
PAHs (mg/kg)														
2-Methylnaphthalene	91-57-6	-	1 / 55	2%	0.0431	ISL-073	0.18 - 14.2	0 / 1	<0.2	300	-	-	N	BSL
Acenaphthene	83-32-9	-	0 / 55	0%	-	-	0.18 - 14.2	1 / 1	0.049	4500	-	-	N	ND
Acenaphthylene	208-96-8	Pyrene	2 / 55	4%	0.0916 - 0.29	AIP-129	0.18 - 14.2	0 / 1	<0.2	2300	-	-	N	BSL
Anthracene	120-12-7	-	4 / 55	7%	0.024 - 0.28	AIP-129	0.18 - 14.2	1 / 1	0.056	23000	-	-	N	BSL
Benzo(a)anthracene	56-55-3	-	12 / 55	22%	0.029 - 0.51	AIP-129	0.18 - 14.2	1 / 1	0.27	21	-	-	N	BSL
Benzo(a)pyrene	50-32-8	-	12 / 55	22%	0.035 - 0.81	AIP-129	0.18 - 14.2	1 / 1	0.29	2.1	-	3	N	BSL
Benzo(b)fluoranthene	205-99-2	-	14 / 67	21%	0.035 - 1.7	AIP-129	0.082 - 14.2	1 / 1	0.36	21	-	-	N	BSL
Benzo(g,h,i)perylene	191-24-2	Pyrene	6 / 55	11%	0.036 - 0.43	ISL-073	0.18 - 14.2	1 / 1	0.14	2300	-	-	N	BSL
Benzo(k)fluoranthene	207-08-9	-	9 / 55	16%	0.0172 - 1.43	ISL-073	0.18 - 14.2	1 / 1	0.32	210	-	-	N	BSL
Chrysene	218-01-9	-	15 / 55	27%	0.028 - 0.77	AIP-129	0.18 - 14.2	1 / 1	0.33	2100	-	-	N	BSL
Dibenzo(a,h)anthracene	53-70-3	-	4 / 55	7%	0.03 - 0.31	AIP-129	0.18 - 14.2	1 / 1	0.05	2.1	-	3	N	BSL
Fluoranthene	206-44-0	-	20 / 67	30%	0.021 - 0.894	ISL-074	0.15 - 14.2	1 / 1	0.63	3000	-	-	N	BSL
Fluorene	86-73-7	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	3000	-	-	N	BSL
Indeno(1,2,3-cd)pyrene	193-39-5	-	11 / 55	20%	0.03 - 0.66	AIP-129	0.18 - 14.2	1 / 1	0.18	21	-	-	N	BSL
Naphthalene	91-20-3	-	1 / 66	2%	0.041	AIP-131	0.0011 - 14.2	0 / 1	<0.2	17	-	-	N	BSL
Phenanthrene	85-01-8	Pyrene	10 / 67	15%	0.02 - 0.25	AIP-131	0.091 - 14.2	1 / 1	0.36	2300	-	-	N	BSL
Pyrene	129-00-0	-	12 / 67	18%	0.019 - 1.06	ISL-074	0.13 - 14.2	1 / 1	0.5	2300	-	-	N	BSL

Table 5
Human Health COPC Screening: Surface Soil
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent (a)	CAS	Surrogate (b)	Detection Frequency	% Detects	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	Background Detection Frequency (c)	Background Range (c)	Industrial RSL (d)	# Detects > Ind RSL	# DLs > Ind RSL	COPC Flag (Y/N)	Rationale for Excluding (e)
Pesticides (mg/kg)														
4,4'-DDD	72-54-8	-	3 / 43	7%	0.0012 - 0.025	AIP-132	0.0033 - 0.0073	0 / 1	<0.0038	2.5	-	-	N	BSL
4,4'-DDE	72-55-9	-	29 / 43	67%	0.0012 - 0.19	AIP-135	0.0033 - 0.0037	1 / 1	0.0057	9.3	-	-	N	BSL
4,4'-DDT	50-29-3	-	21 / 43	49%	0.0015 - 0.18	AIP-133	0.0033 - 0.043	1 / 1	0.0095	8.5	-	-	N	BSL
Aldrin	309-00-2	-	0 / 43	0%	-	-	0.0017 - 0.022	0 / 1	<0.002	0.18	-	-	N	ND
alpha-BHC/HCH	319-84-6	-	0 / 43	0%	-	-	0.0017 - 0.022	0 / 1	<0.002	0.36	-	-	N	ND
alpha-Chlordane	5103-71-9	Chlordane	4 / 43	9%	0.00052 - 0.0059	AIP-137	0.0017 - 0.022	0 / 1	<0.002	7.7	-	-	N	BSL
beta-BHC/HCH	319-85-7	-	0 / 43	0%	-	-	0.0017 - 0.022	0 / 1	<0.002	1.3	-	-	N	ND
Chlorinated camphene/ Toxaphene	8001-35-2	-	1 / 43	2%	0.15	AIP-139	0.17 - 2.2	0 / 1	<0.2	2.1	-	1	N	BSL
cis-Heptachlor epoxide	1024-57-3	-	8 / 43	19%	0.00061 - 0.0016	AIP-136	0.0017 - 0.022	1 / 1	0.00051	0.33	-	-	N	BSL
delta-BHC/HCH	319-86-8	-	0 / 43	0%	-	-	0.0017 - 0.022	0 / 1	<0.002	NS	-	-	N	ND
Dieldrin	60-57-1	-	10 / 43	23%	0.001 - 0.04	AIP-132	0.0033 - 0.019	1 / 1	0.0024	0.14	-	-	N	BSL
Endosulfan I (Alpha)	959-98-8	Endosulfan	1 / 43	2%	0.014	AIP-132	0.0017 - 0.022	0 / 1	<0.002	700	-	-	N	BSL
Endosulfan II (Beta)	33213-65-9	Endosulfan	2 / 43	5%	0.00073 - 0.0013	AIP-102	0.0033 - 0.043	0 / 1	<0.0038	700	-	-	N	BSL
Endosulfan sulfate	1031-07-8	Endosulfan	0 / 43	0%	-	-	0.0033 - 0.043	0 / 1	<0.0038	700	-	-	N	ND
Endrin	72-20-8	-	5 / 43	12%	0.00086 - 0.08	AIP-111	0.0033 - 0.043	0 / 1	<0.0038	25	-	-	N	BSL
Endrin aldehyde	7421-93-4	Endrin	1 / 43	2%	0.0036	AIP-129	0.0033 - 0.043	0 / 1	<0.0038	25	-	-	N	BSL
Endrin ketone	53494-70-5	Endrin	2 / 43	5%	0.00089 - 0.0054	AIP-129	0.0033 - 0.043	0 / 1	<0.0038	25	-	-	N	BSL
gamma-BHC/HCH (Lindane)	58-89-9	-	0 / 43	0%	-	-	0.0017 - 0.022	0 / 1	<0.002	2.5	-	-	N	ND
gamma-Chlordane	5566-34-7	Chlordane	8 / 43	19%	0.00049 - 0.0041	AIP-137	0.0017 - 0.022	0 / 1	<0.002	7.7	-	-	N	BSL
Heptachlor	76-44-8	-	0 / 43	0%	-	-	0.0017 - 0.022	0 / 1	<0.002	0.63	-	-	N	ND
Methoxychlor	72-43-5	-	3 / 43	7%	0.011 - 0.046	AIP-111	0.017 - 0.22	0 / 1	<0.02	410	-	-	N	BSL
SVOCs (mg/kg)														
1,2,4,5-Tetrachlorobenzene	95-94-3	-	0 / 43	0%	-	-	0.18 - 4.4	0 / 1	<0.2	35	-	-	N	ND
1,2-Dichlorobenzene	95-50-1	-	0 / 55	0%	-	-	0.0036 - 14.2	0 / 1	-	930	-	-	N	ND
1,3-Dichlorobenzene	541-73-1	-	0 / 55	0%	-	-	0.0036 - 14.2	0 / 1	-	NS	-	-	N	ND
1,4-Dichlorobenzene	106-46-7	-	0 / 55	0%	-	-	0.0036 - 14.2	0 / 1	-	11	-	1	N	ND
2,2-Oxybis(1-chloropropane)	108-60-1	-	0 / 10	0%	-	-	0.353 - 14.2	-	-	4700	-	-	N	ND
2,2-Oxybis(2-chloropropane)	39638-32-9	-	0 / 45	0%	-	-	0.18 - 4.4	0 / 1	<0.2	NS	-	-	N	ND
2,3,4,6-Tetrachlorophenol	58-90-2	-	0 / 43	0%	-	-	0.18 - 4.4	0 / 1	<0.2	2500	-	-	N	ND
2,4,5-Trichlorophenol	95-95-4	-	0 / 55	0%	-	-	0.18 - 18.4	0 / 1	<0.2	8200	-	-	N	ND
2,4,6-Trichlorophenol	88-06-2	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	82	-	-	N	ND
2,4-Dichlorophenol	120-83-2	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	250	-	-	N	ND
2,4-Dimethylphenol	105-67-9	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	1600	-	-	N	ND
2,4-Dinitrophenol	51-28-5	-	0 / 55	0%	-	-	0.34 - 35.4	0 / 1	<0.38	160	-	-	N	ND
2-Chloronaphthalene	91-58-7	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	6000	-	-	N	ND
2-Chlorophenol	95-57-8	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	580	-	-	N	ND
2-Nitroaniline	88-74-4	-	0 / 55	0%	-	-	0.34 - 35.4	0 / 1	<0.38	800	-	-	N	ND
2-Nitrophenol	88-75-5	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	NS	-	-	N	ND
3,3'-Dichlorobenzidine	91-94-1	-	1 / 49	2%	0.0249	ISL-073	0.18 - 14.2	-	-	5.1	-	2	N	BSL
3-Nitroaniline	99-09-2	-	0 / 55	0%	-	-	0.34 - 35.4	0 / 1	<0.38	NS	-	-	N	ND
4-Bromophenyl phenyl ether	101-55-3	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	NS	-	-	N	ND
4-Chloro-3-methylphenol	59-50-7	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	8200	-	-	N	ND
4-Chlorophenyl phenyl ether	7005-72-3	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	NS	-	-	N	ND
4-Nitroaniline	100-01-6	-	0 / 55	0%	-	-	0.34 - 35.4	0 / 1	<0.38	110	-	-	N	ND
4-Nitrophenol	100-02-7	-	0 / 55	0%	-	-	0.34 - 35.4	0 / 1	<0.38	NS	-	-	N	ND
Acetophenone	98-86-2	-	4 / 43	9%	0.047 - 0.12	AIP-129	0.18 - 4.4	0 / 1	<0.2	12000	-	-	N	BSL
Atrazine	1912-24-9	-	0 / 43	0%	-	-	0.18 - 4.4	0 / 1	<0.2	10	-	-	N	ND
Benzaldehyde	100-52-7	-	1 / 43	2%	0.063	AIP-134	0.18 - 4.4	0 / 1	<0.2	820	-	-	N	BSL
Benzyl butyl phthalate	85-68-7	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	1200	-	-	N	ND
Biphenyl	92-52-4	-	0 / 43	0%	-	-	0.18 - 4.4	0 / 1	<0.2	20	-	-	N	ND
Bis(2-chloroethoxy)methane	111-91-1	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	250	-	-	N	ND
Bis(2-ethylhexyl)phthalate	117-81-7	-	3 / 67	4%	0.203 - 1.2	AIP-136	0.18 - 14.2	0 / 1	<0.2	160	-	-	N	BSL
Caprolactam	105-60-2	-	0 / 39	0%	-	-	0.18 - 0.24	0 / 1	<0.2	40000	-	-	N	ND
Carbazole	86-74-8	-	3 / 55	5%	0.025 - 0.055	AIP-129	0.18 - 14.2	1 / 1	0.09	NS	-	-	N	NS
Cresol	1319-77-3	-	0 / 43	0%	-	-	0.18 - 4.4	0 / 1	<0.2	8200	-	-	N	ND
Dibenzofuran	132-64-9	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	100	-	-	N	BSL

Table 5
Human Health COPC Screening: Surface Soil
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent (a)	CAS	Surrogate (b)	Detection Frequency	% Detects	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	Background Detection Frequency (c)	Background Range (c)	Industrial RSL (d)	# Detects > Ind RSL	# DLs > Ind RSL	COPC Flag (Y/N)	Rationale for Excluding (e)
Dibutyl phthalate	84-74-2	-	9 / 67	13%	0.0307 - 0.29	ISL-031	0.16 - 14.2	0 / 1	<0.2	8200	-	-	N	BSL
Dichloroethyl ether	111-44-4	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	1	-	3	N	ND
Diethyl phthalate	84-66-2	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	66000	-	-	N	ND
Dimethyl phthalate	131-11-3	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	NS	-	-	N	ND
Dinitro-o-cresol	534-52-1	-	0 / 55	0%	-	-	0.34 - 35.4	0 / 1	<0.38	6.6	-	3	N	ND
Di-n-octyl phthalate	117-84-0	-	1 / 55	2%	0.2	AIP-107	0.18 - 14.2	0 / 1	<0.2	820	-	-	N	BSL
Diphenylamine	122-39-4	-	0 / 43	0%	-	-	0.18 - 4.4	0 / 1	<0.2	8200	-	-	N	ND
Hexachlorobenzene	118-74-1	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	0.96	-	3	N	ND
Hexachlorobutadiene	87-68-3	-	0 / 66	0%	-	-	0.0012 - 14.2	0 / 1	<0.2	5.3	-	2	N	ND
Hexachlorocyclopentadiene	77-47-4	-	0 / 49	0%	-	-	0.18 - 14.2	-	-	0.75	-	3	N	ND
Hexachloroethane	67-72-1	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	8	-	1	N	ND
Isophorone	78-59-1	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	2400	-	-	N	ND
m,p-cresol	65794-96-9	Cresol	0 / 12	0%	-	-	0.353 - 14.2	-	-	8200	-	-	N	ND
n-Nitrosodi-n-propylamine	621-64-7	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	0.33	-	13	N	ND
n-Nitrosodiphenylamine	86-30-6	-	0 / 12	0%	-	-	0.353 - 14.2	-	-	470	-	-	N	ND
o-Cresol	95-48-7	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	4100	-	-	N	ND
p-Chloroaniline	106-47-8	-	0 / 49	0%	-	-	0.18 - 14.2	-	-	11	-	1	N	ND
Pentachlorophenol	87-86-5	-	0 / 55	0%	-	-	0.34 - 18.4	0 / 1	<0.38	4	-	3	N	ND
Phenol	108-95-2	-	0 / 55	0%	-	-	0.18 - 14.2	0 / 1	<0.2	25000	-	-	N	ND
VOCs (mg/kg)														
1,1,1-Trichloroethane	71-55-6	-	0 / 123	0%	-	-	0.00087 - 0.0685	0 / 1	<0.0045	3600	-	-	N	ND
1,1,2,2-Tetrachloroethane	79-34-5	-	0 / 122	0%	-	-	0.00087 - 0.0685	0 / 1	<0.0045	2.7	-	-	N	ND
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	-	15 / 58	26%	0.008 - 0.102	ISL-064	0.0036 - 0.0082	0 / 1	<0.0045	2800	-	-	N	BSL
1,1,2-Trichloroethane	79-00-5	-	0 / 123	0%	-	-	0.00087 - 0.0685	0 / 1	<0.0045	0.63	-	-	N	ND
1,1-Dichloroethane	75-34-3	-	0 / 123	0%	-	-	0.00087 - 0.0685	0 / 1	<0.0045	16	-	-	N	ND
1,1-Dichloroethene	75-35-4	-	0 / 123	0%	-	-	0.00087 - 0.0685	0 / 1	<0.0045	100	-	-	N	ND
1,2,3-Trichlorobenzene	87-61-6	-	0 / 43	0%	-	-	0.0036 - 0.0082	0 / 1	<0.0045	93	-	-	N	ND
1,2,4-Trichlorobenzene	120-82-1	-	0 / 55	0%	-	-	0.0036 - 14.2	0 / 1	<0.0045	26	-	-	N	ND
1,2-Dibromo-3-chloropropane	96-12-8	-	0 / 43	0%	-	-	0.0036 - 0.0082	0 / 1	<0.0045	0.064	-	-	N	ND
1,2-Dichlorobenzene	95-50-1	-	0 / 55	0%	-	-	0.0036 - 14.2	0 / 1	<0.0045	930	-	-	N	ND
1,2-Dichloroethane	107-06-2	-	0 / 123	0%	-	-	0.00087 - 0.0685	0 / 1	<0.0045	2	-	-	N	ND
1,2-Dichloroethene	540-59-0	cis-1,2-Dichloroethene	1 / 80	1%	0.853	ISL-117	0.0017 - 0.0074	-	-	230	-	-	N	BSL
1,2-Dichloropropane	78-87-5	-	0 / 123	0%	-	-	0.00087 - 0.0685	0 / 1	<0.0045	6.6	-	-	N	ND
1,3-Dichlorobenzene	541-73-1	-	0 / 55	0%	-	-	0.0036 - 14.2	0 / 1	<0.0045	NS	-	-	N	ND
1,4-Dichlorobenzene	106-46-7	-	0 / 55	0%	-	-	0.0036 - 14.2	0 / 1	<0.0045	11	-	-	N	ND
2-Butanone	78-93-3	-	10 / 106	9%	0.0022 - 0.041	AIP-132	0.0043 - 0.137	0 / 1	<0.0091	19000	-	-	N	BSL
2-Hexanone	591-78-6	-	0 / 123	0%	-	-	0.0043 - 0.137	0 / 1	<0.0091	130	-	-	N	ND
4-Methyl-2-pentanone	108-10-1	-	0 / 123	0%	-	-	0.0043 - 0.137	0 / 1	<0.0091	14000	-	-	N	ND
Acetone	67-64-1	-	31 / 110	28%	0.0022 - 0.18	AIP-136	0.0072 - 0.137	1 / 1	0.081	67000	-	-	N	BSL
Benzene	71-43-2	-	1 / 123	1%	0.00041	ISL-205	0.00087 - 0.0685	0 / 1	<0.0045	5.1	-	-	N	BSL
Bromodichloromethane	75-27-4	-	0 / 123	0%	-	-	0.00087 - 0.0685	0 / 1	<0.0045	1.3	-	-	N	ND
Bromoform	75-25-2	-	0 / 123	0%	-	-	0.00087 - 0.0685	0 / 1	<0.0045	86	-	-	N	ND
Carbon disulfide	75-15-0	-	3 / 123	2%	0.0013 - 0.132	ISL-117	0.0036 - 0.0118	0 / 1	<0.0045	350	-	-	N	BSL
Carbon tetrachloride	56-23-5	-	0 / 123	0%	-	-	0.00087 - 0.0685	0 / 1	<0.0045	2.9	-	-	N	ND
Chlorobenzene	108-90-7	-	0 / 123	0%	-	-	0.00087 - 0.0685	0 / 1	<0.0045	130	-	-	N	ND
Chlorobromomethane	74-97-5	-	0 / 43	0%	-	-	0.0036 - 0.0082	0 / 1	<0.0045	63	-	-	N	ND
Chloroethane	75-00-3	-	0 / 123	0%	-	-	0.00087 - 0.137	0 / 1	<0.0045	5700	-	-	N	ND
Chloroform	67-66-3	-	0 / 123	0%	-	-	0.00087 - 0.0685	0 / 1	<0.0045	1.4	-	-	N	ND
cis-1,2-Dichloroethene	156-59-2	-	3 / 54	6%	0.00054 - 0.054	ISL-008	0.0019 - 0.0082	0 / 1	<0.0045	230	-	-	N	BSL
cis-1,3-Dichloropropene	10061-01-5	1,3-Dichloropropene	0 / 123	0%	-	-	0.00087 - 5.4	0 / 1	<0.0045	8.2	-	-	N	ND
Cyclohexane	110-82-7	-	0 / 43	0%	-	-	0.0036 - 0.0082	0 / 1	<0.0045	2700	-	-	N	ND
Dibromochloromethane	124-48-1	-	0 / 123	0%	-	-	0.00087 - 0.0685	0 / 1	<0.0045	39	-	-	N	ND
Dichlorodifluoromethane (Freon 12)	75-71-8	-	0 / 43	0%	-	-	0.0036 - 0.0082	0 / 1	<0.0045	37	-	-	N	ND
Ethylbenzene	100-41-4	-	1 / 134	1%	0.00062	ISL-093	0.0008 - 0.0685	0 / 1	<0.0045	25	-	-	N	BSL
Ethylene dibromide	106-93-4	-	0 / 43	0%	-	-	0.0036 - 0.0082	0 / 1	<0.0045	0.16	-	-	N	ND

Table 5
Human Health COPC Screening: Surface Soil
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent (a)	CAS	Surrogate (b)	Detection Frequency	% Detects	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	Background Detection Frequency (c)	Background Range (c)	Industrial RSL (d)	# Detects > Ind RSL	# DLs > Ind RSL	COPC Flag (Y/N)	Rationale for Excluding (e)
Isopropylbenzene (Cumene)	98-82-8	-	0 / 43	0%	-	-	0.0036 - 0.0082	0 / 1	<0.0045	990	-	-	N	ND
m,p-Xylenes	179601-23-1	m-Xylene	0 / 43	0%	-	-	0.0036 - 0.0082	0 / 1	<0.0045	240	-	-	N	ND
Methyl acetate	79-20-9	-	5 / 43	12%	0.0015 - 0.005	AIP-109	0.0036 - 0.0082	0 / 1	<0.0045	120000	-	-	N	BSL
Methyl bromide	74-83-9	-	0 / 123	0%	-	-	0.00087 - 0.137	0 / 1	<0.0045	3	-	-	N	ND
Methyl chloride	74-87-3	-	0 / 121	0%	-	-	0.00087 - 0.137	0 / 1	<0.0045	46	-	-	N	ND
Methyl tert-butyl ether	1634-04-4	-	0 / 43	0%	-	-	0.0036 - 0.0082	0 / 1	<0.0045	210	-	-	N	ND
Methylcyclohexane	108-87-2	-	0 / 43	0%	-	-	0.0036 - 0.0082	0 / 1	<0.0045	NS	-	-	N	ND
Methylene chloride	75-09-2	-	11 / 123	9%	0.0057 - 0.0425	ISL-064	0.0026 - 0.54	0 / 1	<0.0045	320	-	-	N	BSL
o-Xylene	95-47-6	-	0 / 54	0%	-	-	0.0015 - 0.0082	0 / 1	<0.0045	280	-	-	N	ND
Styrene	100-42-5	-	1 / 123	1%	0.00021	ISL-092	0.00087 - 0.0685	0 / 1	<0.0045	3500	-	-	N	BSL
Tetrachloroethene	127-18-4	-	3 / 134	2%	0.00071 - 0.00097	ISL-108	0.00052 - 0.0685	0 / 1	<0.0045	39	-	-	N	BSL
Toluene	108-88-3	-	15 / 134	11%	0.00062 - 0.003	ISL-098	0.00063 - 0.0685	0 / 1	<0.0045	4700	-	-	N	BSL
trans-1,2-Dichloroethene	156-60-5	-	1 / 54	2%	0.011	ISL-008	0.00058 - 0.0082	0 / 1	<0.0045	2300	-	-	N	BSL
trans-1,3-Dichloropropene	10061-02-6	1,3-Dichloropropene	0 / 123	0%	-	-	0.00087 - 0.0685	0 / 1	<0.0045	8.2	-	-	N	ND
Trichloroethene	79-01-6	-	8 / 134	6%	0.0035 - 1.7	ISL-117	0.00045 - 0.0082	0 / 1	<0.0045	1.9	-	-	N	BSL
Trichlorofluoromethane (Freon 11)	75-69-4	-	0 / 43	0%	-	-	0.0036 - 0.0082	0 / 1	<0.0045	35000	-	-	N	ND
Vinyl chloride	75-01-4	-	0 / 123	0%	-	-	0.00087 - 0.137	0 / 1	<0.0045	1.7	-	-	N	ND
Xylene, Total	1330-20-7	-	11 / 80	14%	0.00058 - 0.0035	ISL-088	0.0026 - 0.0685	-	-	250	-	-	N	BSL

Notes:
- Not applicable for this constituent
ND- Nondetect
DL - Detection Limit
COPC - Constituent of Potential Concern
(a) Constituents analyzed in surface soil samples collected during investigations at the MNOP Site (i.e., during 1996, 1998, 2000, 2009, and 2011) in the following intervals: 0-0.5', 0-1', and 0-2', with the exception of the following two samples for which coordinates are not known: ISL-113 and ISL-114. Individual results for the samples included in this evaluation are provided in an appendix to this report.
(b) A surrogate was used to identify a proxy RSL for a constituent without an RSL in the following circumstances: (1) an RSL was available for an isomer/congener or for the total of a group of isomers/congeners to which the reported constituent belongs (e.g., the RSL for 1,3-dichloropropene was used as a proxy value for the cis- and trans- isomers), and (2) a surrogate chemical that has been widely accepted and documented in the literature as an appropriate surrogate was available (e.g., pyrene is used for acenaphthylene, benzo(g,h,i)perylene, and phenanthrene).
(c) Background sample locations collected in surface soil include: AIP-100-SF (0-0.5') and MNOP-01-SF (0-0.5')
(d) Industrial RSL (Ind RSL) - EPA Regional Screening Level for Industrial Direct Contact with Soil, based on a target risk of 1E-06 and a hazard quotient of 0.1 (November 2018 update).
(e) Rationale for Excluding:
BSL - Below Screening Level
BKG - Consistent with Background
ND - Constituent was not detected in this medium
NHHC - Not a Human Health Concern
NS - No Standard Available

Table 6
Human Health COPC Screening: Subsurface Soil
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent (a)	CAS	Surrogate (b)	Detection Frequency	% Detects	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	Background Detection Frequency (c)	Background Range (c)	Background Average Detect x 2 (d)	Industrial RSL (e)	# Detects > Ind RSL	# DLs > Ind RSL	COPC Flag (Y/N)	Rationale for Excluding (f)
Inorganics (mg/kg)															
Aluminum	7429-90-5	-	45 / 45	100%	2500 - 12000	AIP-107	-	1 / 1	8900	-	110000	-	-	N	BSL
Antimony	7440-36-0	-	4 / 71	6%	0.32 - 3.9	ISL-003	2.2 - 7	0 / 4	-	-	47	-	-	N	BSL
Arsenic	7440-38-2	-	45 / 45	100%	0.42 - 2.7	AIP-140	-	1 / 1	1.9	-	3	-	-	N	BSL
Barium	7440-39-3	-	40 / 45	89%	6.4 - 50	AIP-111	23 - 24	1 / 1	34	-	22000	-	-	N	BSL
Beryllium	7440-41-7	-	70 / 102	69%	0.05 - 0.94	ISL-036	0.53 - 0.61	4 / 5	0.14 - 0.34	0.46	230	-	-	N	BSL
Cadmium	7440-43-9	-	47 / 102	46%	0.21 - 56	ISL-007	0.19 - 0.62	3 / 5	0.21 - 0.36	0.56	98	-	-	N	BSL
Calcium	7440-70-2	-	45 / 45	100%	50 - 1400	AIP-132	-	1 / 1	210	-	NHHC	-	-	N	NHHC
Chromium	7440-47-3	Chromium III	102 / 102	100%	2.2 - 181	ISL-044	-	5 / 5	9.71 - 24.3	32.4	180000	-	-	N	BSL
Cobalt	7440-48-4	-	2 / 45	4%	0.95 - 1.3	AIP-137	5.3 - 6.1	0 / 1	-	-	35	-	-	N	BSL
Copper	7440-50-8	-	101 / 102	99%	0.95 - 100	AIP-133	2.7 - 2.7	5 / 5	3.69 - 8.67	11.76	4700	-	-	N	BSL
Cyanide CN-	57-12-5	-	0 / 43	0%	-	-	2.7 - 3.1	0 / 1	-	-	15	-	-	N	ND
Iron	7439-89-6	-	45 / 45	100%	2000 - 60000	AIP-103	-	1 / 1	12000	-	82000	-	-	N	BSL
Lead	7439-92-1	-	102 / 102	100%	2.34 - 50	AIP-136	-	5 / 5	5.81 - 15.2	20.6	800	-	-	N	BSL
Magnesium	7439-95-4	-	45 / 45	100%	22 - 190	AIP-107	-	1 / 1	88	-	NHHC	-	-	N	NHHC
Manganese	7439-96-5	-	45 / 45	100%	2.6 - 390	AIP-134	-	1 / 1	260	-	2600	-	-	N	BSL
Mercury	7439-97-6	-	47 / 102	46%	0.031 - 0.88	AIP-124	0.027 - 0.12	3 / 5	0.044 - 0.14	0.21	4.6	-	-	N	BSL
Nickel	7440-02-0	-	90 / 102	88%	0.2 - 8.74	ISL-044	1 - 4.9	5 / 5	1.7 - 7.12	7.74	2200	-	-	N	BSL
Potassium	7440-09-7	-	42 / 45	93%	18 - 160	AIP-138	540 - 600	1 / 1	74	-	NHHC	-	-	N	NHHC
Selenium	7782-49-2	-	40 / 83	48%	0.26 - 1.14	ISL-053	0.078 - 4.4	1 / 4	0.48	-	580	-	-	N	BSL
Silver	7440-22-4	-	2 / 102	2%	0.25 - 1.3	AIP-121	0.19 - 1.2	0 / 5	-	-	580	-	-	N	BSL
Sodium	7440-23-5	-	44 / 45	98%	3.2 - 24	AIP-112	540 - 540	1 / 1	13	-	NHHC	-	-	N	NHHC
Thallium	7440-28-0	-	9 / 102	9%	0.29 - 0.49	AIP-137	0.084 - 3.1	1 / 5	0.41	-	1.2	-	43	N	BSL
Vanadium	7440-62-2	-	44 / 45	98%	8.3 - 140	AIP-103	5.3 - 5.3	1 / 1	33	-	580	-	-	N	BSL
Zinc	7440-66-6	-	69 / 102	68%	1.6 - 538	ISL-055	3.27 - 8.33	5 / 5	8.34 - 22	33	35000	-	-	N	BSL
PCBs (mg/kg)															
Aroclor 1016	12674-11-2	-	0 / 45	0%	-	-	0.034 - 0.043	1 / 1	0.017	-	5.1	-	-	N	ND
Aroclor 1221	11104-28-2	-	0 / 45	0%	-	-	0.034 - 0.043	0 / 1	-	-	0.83	-	-	N	ND
Aroclor 1232	11141-16-5	-	0 / 45	0%	-	-	0.034 - 0.043	0 / 1	-	-	0.72	-	-	N	ND
Aroclor 1242	53469-21-9	-	0 / 45	0%	-	-	0.034 - 0.043	0 / 1	-	-	0.95	-	-	N	ND
Aroclor 1248	12672-29-6	-	0 / 45	0%	-	-	0.034 - 0.043	0 / 1	-	-	0.95	-	-	N	ND
Aroclor 1254	11097-69-1	-	0 / 45	0%	-	-	0.034 - 0.043	0 / 1	-	-	0.97	-	-	N	ND
Aroclor 1260	11096-82-5	-	1 / 45	2%	0.066 - 0.066	AIP-111	0.034 - 0.043	1 / 1	0.02	-	0.99	-	-	N	BSL
Aroclor 1262	37324-23-5	-	0 / 45	0%	-	-	0.034 - 0.043	0 / 1	-	-	NS	-	-	N	ND
Aroclor 1268	11100-14-4	-	0 / 45	0%	-	-	0.034 - 0.043	0 / 1	-	-	NS	-	-	N	ND
Energetics (mg/kg)															
2,4-Dinitrotoluene	121-14-2	-	1 / 86	1%	0.178 - 0.178	ISL-043	0.024 - 0.22	0 / 3	-	-	7.4	-	-	N	BSL
2,6-Dinitrotoluene	606-20-2	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	1.5	-	-	N	ND
Nitrobenzene	98-95-3	-	1 / 86	1%	0.302 - 0.302	ISL-043	0.057 - 0.22	0 / 3	-	-	22	-	-	N	BSL
PAHs (mg/kg)															
2-Methylnaphthalene	91-57-6	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	300	-	-	N	ND
Acenaphthene	83-32-9	-	1 / 45	2%	0.023 - 0.023	AIP-124	0.18 - 0.22	0 / 1	-	-	4500	-	-	N	BSL
Acenaphthylene	208-96-8	Pyrene	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	2300	-	-	N	ND
Anthracene	120-12-7	-	1 / 45	2%	0.064 - 0.064	AIP-124	0.18 - 0.22	0 / 1	-	-	23000	-	-	N	BSL
Benzo(a)anthracene	56-55-3	-	3 / 45	7%	0.04 - 0.21	AIP-124	0.18 - 0.22	0 / 1	-	-	21	-	-	N	BSL
Benzo(a)pyrene	50-32-8	-	3 / 45	7%	0.055 - 0.18	AIP-124	0.18 - 0.22	0 / 1	-	-	2.1	-	-	N	BSL
Benzo(b)fluoranthene	205-99-2	-	6 / 102	6%	0.062 - 0.25	AIP-124	0.087 - 0.88	0 / 5	-	-	21	-	-	N	BSL
Benzo(g,h,i)perylene	191-24-2	Pyrene	2 / 45	4%	0.068 - 0.15	AIP-124	0.18 - 0.22	0 / 1	-	-	2300	-	-	N	BSL
Benzo(k)fluoranthene	207-08-9	-	2 / 45	4%	0.092 - 0.12	AIP-124	0.18 - 0.22	0 / 1	-	-	210	-	-	N	BSL
Chrysene	218-01-9	-	4 / 45	9%	0.02 - 0.2	AIP-124	0.18 - 0.22	0 / 1	-	-	2100	-	-	N	BSL
Dibenzo(a,h)anthracene	53-70-3	-	2 / 45	4%	0.04 - 0.062	AIP-124	0.18 - 0.22	0 / 1	-	-	2.1	-	-	N	BSL
Fluoranthene	206-44-0	-	5 / 102	5%	0.038 - 0.47	AIP-124	0.16 - 0.34	0 / 5	-	-	3000	-	-	N	BSL
Fluorene	86-73-7	-	1 / 45	2%	0.029 - 0.029	AIP-124	0.18 - 0.22	0 / 1	-	-	3000	-	-	N	BSL
Indeno(1,2,3-cd)pyrene	193-39-5	-	2 / 45	4%	0.096 - 0.16	AIP-124	0.18 - 0.22	0 / 1	-	-	21	-	-	N	BSL
Naphthalene	91-20-3	-	0 / 102	0%	-	-	0.0011 - 0.22	0 / 5	-	-	17	-	-	N	ND
Phenanthrene	85-01-8	Pyrene	5 / 102	5%	0.034 - 0.29	AIP-124	0.096 - 0.22	0 / 5	-	-	2300	-	-	N	BSL
Pyrene	129-00-0	-	3 / 102	3%	0.035 - 0.38	AIP-124	0.14 - 0.3	0 / 5	-	-	2300	-	-	N	BSL

Table 6
Human Health COPC Screening: Subsurface Soil
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent (a)	CAS	Surrogate (b)	Detection Frequency	% Detects	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	Background Detection Frequency (c)	Background Range (c)	Background Average Detect x 2 (d)	Industrial RSL (e)	# Detects > Ind RSL	# DLs > Ind RSL	COPC Flag (Y/N)	Rationale for Excluding (f)
Pesticides (mg/kg)															
4,4'-DDD	72-54-8	-	2 / 52	4%	0.003 - 0.0031	ISL-060	0.0029 - 0.0043	0 / 1	-	-	2.5	-	-	N	BSL
4,4'-DDE	72-55-9	-	7 / 52	13%	0.0012 - 0.015	AIP-124	0.00062 - 0.019	0 / 1	-	-	9.3	-	-	N	BSL
4,4'-DDT	50-29-3	-	6 / 52	12%	0.0012 - 0.074	AIP-121	0.0011 - 0.0043	0 / 1	-	-	8.5	-	-	N	BSL
Aldrin	309-00-2	-	0 / 45	0%	-	-	0.0018 - 0.0022	0 / 1	-	-	0.18	-	-	N	ND
alpha-BHC/HCH	319-84-6	-	0 / 45	0%	-	-	0.0018 - 0.0022	0 / 1	-	-	0.36	-	-	N	ND
alpha-Chlordane	5103-71-9	Chlordane	2 / 45	4%	0.0023 - 0.0051	AIP-137	0.0018 - 0.0021	0 / 1	-	-	7.7	-	-	N	BSL
beta-BHC/HCH	319-85-7	-	1 / 45	2%	0.00079 - 0.00079	AIP-103	0.0018 - 0.0022	0 / 1	-	-	1.3	-	-	N	BSL
Chlorinated camphene/ Toxaphene	8001-35-2	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	2.1	-	-	N	ND
cis-Heptachlor epoxide	1024-57-3	-	0 / 45	0%	-	-	0.0018 - 0.0022	0 / 1	-	-	0.33	-	-	N	ND
delta-BHC/HCH	319-86-8	-	0 / 45	0%	-	-	0.0018 - 0.0022	0 / 1	-	-	NS	-	-	N	ND
Dieldrin	60-57-1	-	0 / 45	0%	-	-	0.0034 - 0.0043	0 / 1	-	-	0.14	-	-	N	ND
Endosulfan I (Alpha)	959-98-8	Endosulfan	0 / 45	0%	-	-	0.0018 - 0.0022	0 / 1	-	-	700	-	-	N	ND
Endosulfan II (Beta)	33213-65-9	Endosulfan	0 / 45	0%	-	-	0.0034 - 0.0043	0 / 1	-	-	700	-	-	N	ND
Endosulfan sulfate	1031-07-8	Endosulfan	0 / 45	0%	-	-	0.0034 - 0.0043	0 / 1	-	-	700	-	-	N	ND
Endrin	72-20-8	-	2 / 52	4%	0.00048 - 0.0014	AIP-111	0.00048 - 0.0043	0 / 1	-	-	25	-	-	N	BSL
Endrin aldehyde	7421-93-4	Endrin	1 / 45	2%	0.0015 - 0.0015	AIP-133	0.0034 - 0.0043	0 / 1	-	-	25	-	-	N	BSL
Endrin ketone	53494-70-5	Endrin	1 / 45	2%	0.0012 - 0.0012	AIP-137	0.0034 - 0.0041	0 / 1	-	-	25	-	-	N	BSL
gamma-BHC/HCH (Lindane)	58-89-9	-	0 / 45	0%	-	-	0.0018 - 0.0022	0 / 1	-	-	2.5	-	-	N	ND
gamma-Chlordane	5566-34-7	Chlordane	2 / 45	4%	0.0006 - 0.002	AIP-124	0.0018 - 0.0022	0 / 1	-	-	7.7	-	-	N	BSL
Heptachlor	76-44-8	-	0 / 45	0%	-	-	0.0018 - 0.0022	0 / 1	-	-	0.63	-	-	N	ND
Methoxychlor	72-43-5	-	1 / 45	2%	0.0081 - 0.0081	AIP-105	0.018 - 0.022	0 / 1	-	-	410	-	-	N	BSL
SVOCs (mg/kg)															
1,2,4,5-Tetrachlorobenzene	95-94-3	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	35	-	-	N	ND
2,2-Oxybis(2-chloropropane)	39638-32-9	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	NS	-	-	N	ND
2,3,4,6-Tetrachlorophenol	58-90-2	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	2500	-	-	N	ND
2,4,5-Trichlorophenol	95-95-4	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	8200	-	-	N	ND
2,4,6-Trichlorophenol	88-06-2	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	82	-	-	N	ND
2,4-Dichlorophenol	120-83-2	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	250	-	-	N	ND
2,4-Dimethylphenol	105-67-9	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	1600	-	-	N	ND
2,4-Dinitrophenol	51-28-5	-	0 / 45	0%	-	-	0.35 - 0.43	0 / 1	-	-	160	-	-	N	ND
2-Chloronaphthalene	91-58-7	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	6000	-	-	N	ND
2-Chlorophenol	95-57-8	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	580	-	-	N	ND
2-Nitroaniline	88-74-4	-	0 / 45	0%	-	-	0.35 - 0.43	0 / 1	-	-	800	-	-	N	ND
2-Nitrophenol	88-75-5	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	NS	-	-	N	ND
3,3'-Dichlorobenzidine	91-94-1	-	0 / 44	0%	-	-	0.18 - 0.21	0 / 1	-	-	5.1	-	-	N	ND
3-Nitroaniline	99-09-2	-	0 / 45	0%	-	-	0.35 - 0.43	0 / 1	-	-	NS	-	-	N	ND
4-Bromophenyl phenyl ether	101-55-3	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	NS	-	-	N	ND
4-Chloro-3-methylphenol	59-50-7	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	8200	-	-	N	ND
4-Chlorophenyl phenyl ether	7005-72-3	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	NS	-	-	N	ND
4-Nitroaniline	100-01-6	-	0 / 45	0%	-	-	0.35 - 0.43	0 / 1	-	-	110	-	-	N	ND
4-Nitrophenol	100-02-7	-	0 / 45	0%	-	-	0.35 - 0.43	0 / 1	-	-	NS	-	-	N	ND
Acetophenone	98-86-2	-	2 / 45	4%	0.044 - 0.046	AIP-101	0.18 - 0.22	0 / 1	-	-	12000	-	-	N	BSL
Atrazine	1912-24-9	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	10	-	-	N	ND
Benzaldehyde	100-52-7	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	820	-	-	N	ND
Benzyl butyl phthalate	85-68-7	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	1200	-	-	N	ND
Biphenyl	92-52-4	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	20	-	-	N	ND
Bis(2-chloroethoxy)methane	111-91-1	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	250	-	-	N	ND
Bis(2-ethylhexyl)phthalate	117-81-7	-	5 / 102	5%	0.35 - 3.3	ISL-047	0.18 - 2	0 / 5	-	-	160	-	-	N	BSL
Caprolactam	105-60-2	-	0 / 42	0%	-	-	0.18 - 0.21	-	-	-	40000	-	-	N	ND
Carbazole	86-74-8	-	1 / 45	2%	0.03 - 0.03	AIP-124	0.18 - 0.22	0 / 1	-	-	NS	-	-	N	NS
Cresol	1319-77-3	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	8200	-	-	N	ND
Dibenzofuran	132-64-9	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	100	-	-	N	ND
Dibutyl phthalate	84-74-2	-	7 / 102	7%	0.21 - 1.6	ISL-046	0.16 - 0.34	0 / 5	-	-	8200	-	-	N	BSL
Dichloroethyl ether	111-44-4	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	1	-	-	N	ND
Diethyl phthalate	84-66-2	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	66000	-	-	N	ND
Dimethyl phthalate	131-11-3	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	NS	-	-	N	ND
Dinitro-o-cresol	534-52-1	-	0 / 45	0%	-	-	0.35 - 0.43	0 / 1	-	-	6.6	-	-	N	ND
Di-n-octyl phthalate	117-84-0	-	1 / 45	2%	0.2 - 0.2	AIP-104	0.18 - 0.22	0 / 1	-	-	820	-	-	N	BSL
Diphenylamine	122-39-4	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	8200	-	-	N	ND
Hexachlorobenzene	118-74-1	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	0.96	-	-	N	ND

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Macon, Georgia

Constituent (a)	CAS	Surrogate (b)	Detection Frequency	% Detects	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	Background Detection Frequency (c)	Background Range (c)	Background Average Detect x 2 (d)	Industrial RSL (e)	# Detects > Ind RSL	# DLs > Ind RSL	COPC Flag (Y/N)	Rationale for Excluding (f)
Hexachlorobutadiene	87-68-3	-	0 / 102	0%	-	-	0.0012 - 0.22	1 / 5	0.0047	-	5.3	-	-	N	ND
Hexachlorocyclopentadiene	77-47-4	-	0 / 44	0%	-	-	0.18 - 0.21	0 / 1	-	-	0.75	-	-	N	ND
Hexachloroethane	67-72-1	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	8	-	-	N	ND
Isophorone	78-59-1	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	2400	-	-	N	ND
n-Nitrosodi-n-propylamine	621-64-7	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	0.33	-	-	N	ND
o-Cresol	95-48-7	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	4100	-	-	N	ND
p-Chloroaniline	106-47-8	-	0 / 44	0%	-	-	0.18 - 0.21	0 / 1	-	-	11	-	-	N	ND
Pentachlorophenol	87-86-5	-	0 / 45	0%	-	-	0.35 - 0.43	0 / 1	-	-	4	-	-	N	ND
Phenol	108-95-2	-	0 / 45	0%	-	-	0.18 - 0.22	0 / 1	-	-	25000	-	-	N	ND
VOCs (mg/kg)															
1,1,1-Trichloroethane	71-55-6	-	0 / 86	0%	-	-	0.00089 - 0.0091	0 / 1	-	-	3600	-	-	N	ND
1,1,2,2-Tetrachloroethane	79-34-5	-	0 / 86	0%	-	-	0.00089 - 0.0091	0 / 1	-	-	2.7	-	-	N	ND
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	-	0 / 45	0%	-	-	0.0035 - 0.0091	0 / 1	-	-	2800	-	-	N	ND
1,1,2-Trichloroethane	79-00-5	-	0 / 86	0%	-	-	0.0008 - 0.0091	0 / 1	-	-	0.63	-	-	N	ND
1,1-Dichloroethane	75-34-3	-	0 / 86	0%	-	-	0.00089 - 0.0091	0 / 1	-	-	16	-	-	N	ND
1,1-Dichloroethene	75-35-4	-	0 / 86	0%	-	-	0.0001 - 0.0091	0 / 1	-	-	100	-	-	N	ND
1,2,3-Trichlorobenzene	87-61-6	-	0 / 45	0%	-	-	0.0035 - 0.0091	0 / 1	-	-	93	-	-	N	ND
1,2,4-Trichlorobenzene	120-82-1	-	0 / 45	0%	-	-	0.0035 - 0.0091	0 / 1	-	-	26	-	-	N	ND
1,2-Dibromo-3-chloropropane	96-12-8	-	0 / 45	0%	-	-	0.0035 - 0.0091	0 / 1	-	-	0.064	-	-	N	ND
1,2-Dichlorobenzene	95-50-1	-	0 / 45	0%	-	-	0.0035 - 0.0091	0 / 1	-	-	930	-	-	N	ND
1,2-Dichloroethane	107-06-2	-	0 / 86	0%	-	-	0.00089 - 0.0091	0 / 1	-	-	2	-	-	N	ND
1,2-Dichloroethene	540-59-0	cis-1,2-Dichloroethene	3 / 41	7%	0.00063 - 0.0776	ISL-202	0.0018 - 0.007	-	-	-	230	-	-	N	BSL
1,2-Dichloropropane	78-87-5	-	0 / 86	0%	-	-	0.00089 - 0.0091	0 / 1	-	-	6.6	-	-	N	ND
1,3-Dichlorobenzene	541-73-1	-	0 / 45	0%	-	-	0.0035 - 0.0091	0 / 1	-	-	NS	-	-	N	ND
1,4-Dichlorobenzene	106-46-7	-	0 / 45	0%	-	-	0.0035 - 0.0091	0 / 1	-	-	11	-	-	N	ND
2-Butanone	78-93-3	-	6 / 80	8%	0.0025 - 0.0536	ISL-204	0.0044 - 0.018	0 / 1	-	-	19000	-	-	N	BSL
2-Hexanone	591-78-6	-	1 / 86	1%	0.0025 - 0.0025	ISL-122	0.0044 - 0.018	0 / 1	-	-	130	-	-	N	BSL
4-Methyl-2-pentanone	108-10-1	-	0 / 86	0%	-	-	0.0044 - 0.018	0 / 1	-	-	14000	-	-	N	ND
Acetone	67-64-1	-	29 / 75	39%	0.0028 - 0.281	ISL-204	0.0047 - 0.016	1 / 1	0.025	-	67000	-	-	N	BSL
Benzene	71-43-2	-	0 / 86	0%	-	-	0.00089 - 0.0091	0 / 1	-	-	5.1	-	-	N	ND
Bromodichloromethane	75-27-4	-	1 / 86	1%	0.00089 - 0.00089	ISL-122	0.00089 - 0.013	0 / 1	-	-	1.3	-	-	N	BSL
Bromoform	75-25-2	-	0 / 86	0%	-	-	0.00089 - 0.0091	0 / 1	-	-	86	-	-	N	ND
Carbon disulfide	75-15-0	-	8 / 86	9%	0.0014 - 0.0212	ISL-206	0.0035 - 0.0176	0 / 1	-	-	350	-	-	N	BSL
Carbon tetrachloride	56-23-5	-	0 / 86	0%	-	-	0.00089 - 0.0091	0 / 1	-	-	2.9	-	-	N	ND
Chlorobenzene	108-90-7	-	0 / 86	0%	-	-	0.00089 - 0.0091	0 / 1	-	-	130	-	-	N	ND
Chlorobromomethane	74-97-5	-	0 / 45	0%	-	-	0.0035 - 0.0091	0 / 1	-	-	63	-	-	N	ND
Chloroethane	75-00-3	-	0 / 86	0%	-	-	0.00089 - 0.0126	0 / 1	-	-	5700	-	-	N	ND
Chloroform	67-66-3	-	1 / 86	1%	0.00098 - 0.00098	ISL-125	0.00089 - 0.0091	0 / 1	-	-	1.4	-	-	N	BSL
cis-1,2-Dichloroethene	156-59-2	-	0 / 102	0%	-	-	0.0019 - 0.0091	0 / 5	-	-	230	-	-	N	ND
cis-1,3-Dichloropropene	10061-01-5	1,3-Dichloropropene	0 / 86	0%	-	-	0.00089 - 0.0091	0 / 1	-	-	8.2	-	-	N	ND
Cyclohexane	110-82-7	-	0 / 45	0%	-	-	0.0035 - 0.0091	0 / 1	-	-	2700	-	-	N	ND
Dibromochloromethane	124-48-1	-	0 / 86	0%	-	-	0.00089 - 0.0091	0 / 1	-	-	39	-	-	N	ND
Dichlorodifluoromethane (Freon 12)	75-71-8	-	0 / 45	0%	-	-	0.0035 - 0.0091	0 / 1	-	-	37	-	-	N	ND
Ethylbenzene	100-41-4	-	1 / 143	1%	0.0017 - 0.0017	ISL-052	0.00079 - 0.0091	0 / 5	-	-	25	-	-	N	BSL
Ethylene dibromide	106-93-4	-	0 / 45	0%	-	-	0.0035 - 0.0091	0 / 1	-	-	0.16	-	-	N	ND
Isopropylbenzene (Cumene)	98-82-8	-	0 / 45	0%	-	-	0.0035 - 0.0091	0 / 1	-	-	990	-	-	N	ND
m,p-Xylenes	179601-23-1	m-xylene	1 / 102	1%	0.0093 - 0.0093	ISL-052	0.00026 - 0.0091	0 / 5	-	-	240	-	-	N	BSL
Methyl acetate	79-20-9	-	0 / 45	0%	-	-	0.0035 - 0.0091	0 / 1	-	-	120000	-	-	N	ND
Methyl bromide	74-83-9	-	0 / 86	0%	-	-	0.00089 - 0.0126	0 / 1	-	-	3	-	-	N	ND
Methyl chloride	74-87-3	-	0 / 86	0%	-	-	0.00089 - 0.0126	0 / 1	-	-	46	-	-	N	ND
Methyl tert-butyl ether	1634-04-4	-	0 / 45	0%	-	-	0.0035 - 0.0091	0 / 1	-	-	210	-	-	N	ND
Methylcyclohexane	108-87-2	-	0 / 45	0%	-	-	0.0035 - 0.0091	0 / 1	-	-	NS	-	-	N	ND
Methylene chloride	75-09-2	-	1 / 86	1%	0.0108 - 0.0108	ISL-125	0.0035 - 0.0176	0 / 1	-	-	320	-	-	N	BSL
o-Xylene	95-47-6	-	1 / 102	1%	0.0045 - 0.0045	ISL-052	0.0015 - 0.0091	0 / 5	-	-	280	-	-	N	BSL
Styrene	100-42-5	-	0 / 86	0%	-	-	0.00089 - 0.0091	0 / 1	-	-	3500	-	-	N	ND
Tetrachloroethene	127-18-4	-	3 / 143	2%	0.00063 - 0.8	ISL-004	0.00052 - 0.0091	0 / 5	-	-	39	-	-	N	BSL
Toluene	108-88-3	-	4 / 143	3%	0.00044 - 0.002	ISL-039	0.00089 - 0.0097	0 / 5	-	-	4700	-	-	N	BSL
trans-1,2-Dichloroethene	156-60-5	-	0 / 102	0%	-	-	0.00058 - 0.0091	0 / 5	-	-	2300	-	-	N	ND

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trans-1,3-Dichloropropene	10061-02-6	1,3-Dichloropropene	0 / 86	0%	-	-	0.00089 - 0.0091	0 / 1	-	-	8.2	-	-	N	ND
Trichloroethene	79-01-6	-	22 / 143	15%	0.00062 - 1.2	ISL-004	0.00044 - 0.014	1 / 5	0.0062	-	1.9	-	-	N	BSL
Trichlorofluoromethane (Freon 11)	75-69-4	-	0 / 45	0%	-	-	0.0035 - 0.0091	0 / 1	-	-	35000	-	-	N	ND
Vinyl chloride	75-01-4	-	0 / 86	0%	-	-	0.00089 - 0.0126	0 / 1	-	-	1.7	-	-	N	ND
Xylene, Total	1330-20-7	-	0 / 41	0%	-	-	0.0027 - 0.0106	-	-	-	250	-	-	N	ND

Notes:
- Not applicable for this constituent
ND- Nondetect
DL - Detection Limit
COPC - Constituent of Potential Concern
(a) Constituents analyzed in subsurface soil samples collected during investigations at the MNOP Site (i.e., during 1996, 1998, 2000, and 2009) within the upper 10 feet of soil and below the surface soil interval (0-0.5', 0-1', and 0-2'), which is evaluated separately. Individual results for the samples included in this evaluation are provided in an appendix to this report.
(b) A surrogate was used to identify a proxy RSL for a constituent without an RSL in the following circumstances: (1) an RSL was available for an isomer/congener or for the total of a group of isomers/congeners to which the reported constituent belongs (e.g., the RSL for 1,3-dichloropropene was used as a proxy value for the cis- and trans- isomers), and (2) a surrogate chemical that has been widely accepted and documented in the literature as an appropriate surrogate was available (e.g., pyrene is used for acenaphthylene, benzo(g,h,i)perylene, and phenanthrene).
(c) Background sample locations collected in subsurface soil include: AIP-100-SB, ISL-018, ISL-019, ISL-061, and ISL-062, all collected from the 1-2' interval.
(d) A concentration of 2 times the average background level is provided for constituents with two or more detected concentrations in the background dataset. Consistent with EPA Region 4 Human Health Risk Assessment Supplemental Guidance (March 2018 Update), a constituent may be eliminated as a COPC if it is less than 2 times the average background level.
(e) Industrial RSL (Ind RSL) - EPA Regional Screening Level for Industrial Direct Contact with Soil, based on a target risk of 1E-06 and a hazard quotient of 0.1 (November 2018 update).
(f) Rationale for Excluding:
BSL - Below Screening Level
ND - Constituent was not detected in this medium
NHHC - Not a Human Health Concern
NS - No Standard Available

Table 7
Human Health COPC Screening: Sediment
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent (a)	Surrogate (b)	Detection Frequency	% Detects	Range of Detections	Location of Maximum Concentration	Maximum Concentration			Range of DLs for NDs	Background Detection Frequency (c)	Background Range (c)	Background Average Detect x 2 (d)	Industrial RSL (e)	# Detects > Ind RSL			# DLs > Ind RSL (all areas)	COPC Flag (Y/N)	Rationale for Excluding (f)
						MNOP Site	MNOP/ AWI Boundary	South of Site						MNOP Site	MNOP/ AWI Boundary	South of Site			
Inorganics (mg/kg)																			
Aluminum	-	12 / 12	100%	910 - 7100	DD-519	3900	6000	7100	-	2 / 2	3800 - 6900	10700	110000	-	-	-	-	N	BSL
Antimony	-	5 / 14	36%	0.34 - 4.7	DD-511	4.7	0.81	1.9	0.46 - 8	1 / 2	0.37	-	47	-	-	-	-	N	BSL
Arsenic	-	14 / 17	82%	0.78 - 3	DD-519	1.9	2.2	3	1.2 - 1.3	2 / 2	1.1 - 2.8	3.9	3	-	-	-	-	N	BSL
Barium	-	12 / 12	100%	3.5 - 110	DD-519	83	55	110	-	2 / 2	25 - 89	114	22000	-	-	-	-	N	BSL
Beryllium	-	10 / 17	59%	0.086 - 0.35	DD-519	0.2	-	0.35	0.56 - 0.84	9 / 9	0.056 - 0.36	0.352	230	-	-	-	-	N	BSL
Cadmium	-	7 / 17	41%	0.042 - 11	DD-519	1.7	0.98	11	0.08 - 0.78	8 / 9	0.917 - 2.57	2.88	98	-	-	-	-	N	BSL
Calcium	-	12 / 12	100%	140 - 21000	DD-517	21000	3700	5600	-	2 / 2	970 - 1200	2170	NHHC	-	-	-	-	N	NHHC
Chromium	Chromium III	17 / 17	100%	2.6 - 34	ISD-202	10.9	13	34	-	9 / 9	9.1 - 93.9	90.3	180000	-	-	-	-	N	BSL
Cobalt	-	5 / 12	42%	0.81 - 4.1	DD-519	1.1	-	4.1	5.6 - 8.4	2 / 2	0.37 - 2.5	2.87	35	-	-	-	-	N	BSL
Copper	-	17 / 17	100%	2.5 - 40	DD-515	40	22	32	-	9 / 9	3.9 - 45.6	44.7	4700	-	-	-	-	N	BSL
Cyanide CN-	-	0 / 9	0%	-	-	-	-	-	2.7 - 8.8	0 / 2	<2.5	-	15	-	-	-	-	N	ND
Iron	-	12 / 12	100%	1400 - 11000	DD-519	6800	8500	11000	-	2 / 2	6800 - 10000	16800	82000	-	-	-	-	N	BSL
Lead	-	17 / 17	100%	1.1 - 72	DD-505	28	72	53	-	9 / 9	10 - 204	134	800	-	-	-	-	N	BSL
Magnesium	-	12 / 12	100%	130 - 670	DD-505	610	670	590	-	2 / 2	180 - 650	830	NHHC	-	-	-	-	N	NHHC
Manganese	-	12 / 12	100%	13 - 320	DD-519	300	220	320	-	2 / 2	94 - 490	584	2600	-	-	-	-	N	BSL
Mercury	-	12 / 27	44%	0.027 - 1.1	MNOP-D4-09	0.083	0.087	1.1	0.05 - 0.35	7 / 10	0.038 - 0.29	0.286	4.6	-	-	-	-	N	BSL
Nickel	-	17 / 17	100%	0.69 - 4	DD-505	3.09	4	3.34	-	9 / 9	0.85 - 9.31	9.01	2200	-	-	-	-	N	BSL
Potassium	-	12 / 12	100%	20 - 600	DD-504	290	600	130	-	2 / 2	95 - 330	425	NHHC	-	-	-	-	N	NHHC
Selenium	-	0 / 16	0%	-	-	-	-	-	0.4 - 12	2 / 9	0.52 - 0.56	1.08	580	-	-	-	-	N	ND
Silver	-	1 / 17	6%	0.57	DD-504	-	0.57	-	0.1 - 3.5	1 / 9	14	-	580	-	-	-	-	N	BSL
Sodium	-	12 / 12	100%	6.1 - 170	DD-519	38	38	170	-	2 / 2	6.2 - 15	21.2	NHHC	-	-	-	-	N	NHHC
Thallium	-	1 / 17	6%	0.17	DD-516	0.17	-	-	0.23 - 8.8	3 / 9	0.16 - 0.4	0.607	1.2	-	-	-	11	N	BSL
Vanadium	-	10 / 12	83%	8.7 - 35	DD-519	15	25	35	5.9 - 6.4	2 / 2	19 - 28	47	580	-	-	-	-	N	BSL
Zinc	-	17 / 17	100%	15 - 130	DD-505	130	130	59	-	9 / 9	12 - 214	280	35000	-	-	-	-	N	BSL
PCBs (mg/kg)																			
Aroclor 1016	-	0 / 17	0%	-	-	-	-	-	0.0039 - 0.13	0 / 2	<0.041	-	5.1	-	-	-	-	N	ND
Aroclor 1221	-	0 / 17	0%	-	-	-	-	-	0.0039 - 0.13	0 / 2	<0.041	-	0.83	-	-	-	-	N	ND
Aroclor 1232	-	0 / 17	0%	-	-	-	-	-	0.0039 - 0.13	0 / 2	<0.041	-	0.72	-	-	-	-	N	ND
Aroclor 1242	-	0 / 17	0%	-	-	-	-	-	0.0039 - 0.13	0 / 2	<0.041	-	0.95	-	-	-	-	N	ND
Aroclor 1248	-	3 / 17	18%	0.36 - 0.99	DD-519	-	-	0.99	0.0039 - 0.053	0 / 2	<0.041	-	0.95	-	-	1	-	Y	-
Aroclor 1254	-	1 / 17	6%	0.92	DD-519	-	-	0.92	0.0039 - 0.053	0 / 2	<0.041	-	0.97	-	-	-	-	N	BSL
Aroclor 1260	-	1 / 17	6%	0.23	DD-519	-	-	0.23	0.0039 - 0.053	0 / 2	<0.041	-	0.99	-	-	-	-	N	BSL
Aroclor 1262	-	0 / 12	0%	-	-	-	-	-	0.036 - 0.13	0 / 2	<0.041	-	NS	-	-	-	-	N	ND
Aroclor 1268	-	0 / 12	0%	-	-	-	-	-	0.036 - 0.13	0 / 2	<0.041	-	NS	-	-	-	-	N	ND
Energetics (mg/kg)																			
2,4-Dinitrotoluene	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	7.4	-	-	-	-	N	ND
2,6-Dinitrotoluene	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	1.5	-	-	-	-	N	ND
Nitrobenzene	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	22	-	-	-	-	N	ND
PAHs (mg/kg)																			
2-Methylnaphthalene	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	1 / 9	0.5	-	300	-	-	-	-	N	ND
Acenaphthene	-	0 / 17	0%	-	-	-	-	-	0.039 - 0.65	2 / 9	0.62 - 3.2	3.82	4500	-	-	-	-	N	ND
Acenaphthylene	Pyrene	2 / 17	12%	0.043 - 0.067	DD-518	-	-	0.067	0.039 - 0.65	1 / 2	0.074	-	2300	-	-	-	-	N	BSL
Anthracene	-	3 / 17	18%	0.031 - 0.17	DD-518	-	0.031	0.17	0.039 - 0.65	3 / 9	0.023 - 4.6	3.59	23000	-	-	-	-	N	BSL
Benzo(a)anthracene	-	8 / 17	47%	0.03 - 0.41	DD-507	0.03	0.21	0.41	0.039 - 0.21	1 / 2	0.22	-	21	-	-	-	-	N	BSL
Benzo(a)pyrene	-	6 / 17	35%	0.047 - 0.7	DD-519	-	0.22	0.7	0.039 - 0.21	4 / 9	0.061 - 5.4	3.25	2.1	-	-	-	-	N	BSL
Benzo(b)fluoranthene	-	7 / 17	41%	0.043 - 0.86	DD-518	-	0.28	0.86	0.039 - 0.21	8 / 9	0.1 - 7.2	2.37	21	-	-	-	-	N	BSL
Benzo(g,h,i)perylene	Pyrene	6 / 17	35%	0.062 - 0.62	DD-519	-	0.18	0.62	0.039 - 0.21	2 / 2	0.072 - 0.21	0.282	2300	-	-	-	-	N	BSL
Benzo(k)fluoranthene	-	5 / 17	29%	0.031 - 0.62	DD-518	-	0.21	0.62	0.039 - 0.65	4 / 9	0.038 - 2.4	1.53	210	-	-	-	-	N	BSL
Chrysene	-	9 / 17	53%	0.031 - 0.57	DD-519	0.041	0.28	0.57	0.039 - 0.2	5 / 9	0.068 - 6.8	3.39	2100	-	-	-	-	N	BSL
Dibenzo(a,h)anthracene	-	4 / 17	24%	0.063 - 0.14	DD-519	-	0.063	0.14	0.039 - 0.27	2 / 9	0.097 - 0.85	0.947	2.1	-	-	-	-	N	BSL
Fluoranthene	-	9 / 17	53%	0.042 - 0.75	DD-507	0.058	0.44	0.75	0.039 - 0.65	6 / 9	0.087 - 20	7.79	3000	-	-	-	-	N	BSL
Fluorene	-	0 / 17	0%	-	-	-	-	-	0.039 - 0.65	2 / 9	0.37 - 2.1	2.47	3000	-	-	-	-	N	ND
Indeno(1,2,3-cd)pyrene	-	6 / 17	35%	0.034 - 0.39	DD-507	-	0.23	0.39	0.039 - 0.21	4 / 9	0.092 - 2.8	1.8	21	-	-	-	-	N	BSL
Naphthalene	-	0 / 17	0%	-	-	-	-	-	0.039 - 0.65	2 / 9	0.29 - 1.3	1.59	17	-	-	-	-	N	ND
Phenanthrene	Pyrene	4 / 17	24%	0.028 - 0.23	DD-507	-	0.17	0.23	0.039 - 0.65	6 / 9	0.035 - 19	7.55	2300	-	-	-	-	N	BSL
Pyrene	-	5 / 17	29%	0.051 - 0.82	DD-507	-	0.38	0.82	0.039 - 0.65	5 / 9	0.079 - 11	5.33	2300	-	-	-	-	N	BSL
Pesticides (mg/kg)																			
4,4'-DDD	-	4 / 12	33%	0.0028 - 0.0089	DD-516	0.0089	0.0028	0.0043	0.0036 - 0.0052	0 / 2	<0.0041	-	2.5	-	-	-	-	N	BSL
4,4'-DDE	-	6 / 12	50%	0.0016 - 0.015	DD-515	0.015	0.0027	0.0054	0.0039 - 0.013	2 / 2	0.0027 - 0.016	0.0187	9.3	-	-	-	-	N	BSL
4,4'-DDT	-	5 / 12	42%	0.002 - 0.025	DD-519	0.019	0.0078	0.025	0.0036 - 0.0053	2 / 2	0.002 - 0.0024	0.0044	8.5	-	-	-	-	N	BSL
Aldrin	-	0 / 12	0%	-	-	-	-	-	0.0018 - 0.0065	0 / 2	<0.0021	-	0.18	-	-	-	-	N	ND
alpha-BHC/HCH	-	0 / 12	0%	-	-	-	-	-	0.0018 - 0.0065	0 / 2	<0.0021	-	0.36	-	-	-	-	N	ND
alpha-Chlordane	Chlordane	0 / 12	0%	-	-	-	-	-	0.0018 - 0.0065	0 / 2	<0.0021	-	7.7	-	-	-	-	N	ND
beta-BHC/HCH	-	0 / 12	0%	-	-	-	-	-	0.0018 - 0.0065	0 / 2	<0.0021	-	1.3	-	-	-	-	N	ND

Table 7
Human Health COPC Screening: Sediment
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent (a)	Surrogate (b)	Detection Frequency	% Detects	Range of Detections	Location of Maximum Concentration	Maximum Concentration			Range of DLs for NDs	Background Detection Frequency (c)	Background Range (c)	Background Average Detect x 2 (d)	Industrial RSL (e)	# Detects > Ind RSL			# DLs > Ind RSL (all areas)	COPC Flag (Y/N)	Rationale for Excluding (f)
						MNOP Site	MNOP/ AWI Boundary	South of Site						MNOP Site	MNOP/ AWI Boundary	South of Site			
Chlorinated camphene/ Toxaphene	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	2.1	-	-	-	-	N	ND
cis-Heptachlor epoxide	-	1 / 12	8%	0.00064	DD-518	-	-	0.00064	0.0018 - 0.0065	0 / 2	<0.0021	-	0.33	-	-	-	-	N	BSL
delta-BHC/HCH	-	0 / 12	0%	-	-	-	-	-	0.0018 - 0.0065	0 / 2	<0.0021	-	NS	-	-	-	-	N	ND
Dieldrin	-	2 / 12	17%	0.0047 - 0.12	DD-518	-	0.0047	0.12	0.0036 - 0.013	0 / 2	<0.0041	-	0.14	-	-	-	-	N	BSL
Endosulfan I (Alpha)	Endosulfan	0 / 12	0%	-	-	-	-	-	0.0018 - 0.0065	0 / 2	<0.0021	-	700	-	-	-	-	N	ND
Endosulfan II (Beta)	Endosulfan	1 / 12	8%	0.0037	DD-505	-	0.0037	-	0.0036 - 0.013	0 / 2	<0.0041	-	700	-	-	-	-	N	BSL
Endosulfan sulfate	Endosulfan	1 / 12	8%	0.014	DD-506	-	-	0.014	0.0036 - 0.013	0 / 2	<0.0041	-	700	-	-	-	-	N	BSL
Endrin	-	0 / 12	0%	-	-	-	-	-	0.0036 - 0.013	0 / 2	<0.0041	-	25	-	-	-	-	N	ND
Endrin aldehyde	Endrin	0 / 12	0%	-	-	-	-	-	0.0036 - 0.013	0 / 2	<0.0041	-	25	-	-	-	-	N	ND
Endrin ketone	Endrin	0 / 12	0%	-	-	-	-	-	0.0036 - 0.013	0 / 2	<0.0041	-	25	-	-	-	-	N	ND
gamma-BHC/HCH (Lindane)	-	0 / 12	0%	-	-	-	-	-	0.0018 - 0.0065	0 / 2	<0.0021	-	2.5	-	-	-	-	N	ND
gamma-Chlordane	Chlordane	4 / 12	33%	0.00093 - 0.016	DD-507	0.0009	0.0022	0.016	0.0018 - 0.0065	0 / 2	<0.0021	-	7.7	-	-	-	-	N	BSL
Heptachlor	-	0 / 12	0%	-	-	-	-	-	0.0018 - 0.0065	0 / 2	<0.0021	-	0.63	-	-	-	-	N	ND
Methoxychlor	-	0 / 12	0%	-	-	-	-	-	0.018 - 0.065	0 / 2	<0.021	-	410	-	-	-	-	N	ND
SVOCs (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	35	-	-	-	-	N	ND
2,2-Oxybis(2-chloropropane)	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	NS	-	-	-	-	N	ND
2,3,4,6-Tetrachlorophenol	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	2500	-	-	-	-	N	ND
2,4,5-Trichlorophenol	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	8200	-	-	-	-	N	ND
2,4,6-Trichlorophenol	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	82	-	-	-	-	N	ND
2,4-Dichlorophenol	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	250	-	-	-	-	N	ND
2,4-Dimethylphenol	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	1600	-	-	-	-	N	ND
2,4-Dinitrophenol	-	0 / 12	0%	-	-	-	-	-	0.36 - 1.3	0 / 2	<0.41	-	160	-	-	-	-	N	ND
2-Chloronaphthalene	-	0 / 17	0%	-	-	-	-	-	0.039 - 0.65	0 / 2	<0.21	-	6000	-	-	-	-	N	ND
2-Chlorophenol	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	580	-	-	-	-	N	ND
2-Nitroaniline	-	0 / 12	0%	-	-	-	-	-	0.36 - 1.3	0 / 2	<0.41	-	800	-	-	-	-	N	ND
2-Nitrophenol	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	NS	-	-	-	-	N	ND
3,3'-Dichlorobenzidine	-	0 / 9	0%	-	-	-	-	-	0.18 - 0.27	0 / 2	<0.21	-	5.1	-	-	-	-	N	ND
3-Nitroaniline	-	0 / 12	0%	-	-	-	-	-	0.36 - 1.3	0 / 2	<0.41	-	NS	-	-	-	-	N	ND
4-Bromophenyl phenyl ether	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	NS	-	-	-	-	N	ND
4-Chloro-3-methylphenol	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	8200	-	-	-	-	N	ND
4-Chlorophenyl phenyl ether	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	NS	-	-	-	-	N	ND
4-Nitroaniline	-	0 / 12	0%	-	-	-	-	-	0.36 - 1.3	0 / 2	<0.41	-	110	-	-	-	-	N	ND
4-Nitrophenol	-	0 / 12	0%	-	-	-	-	-	0.36 - 1.3	0 / 2	<0.41	-	NS	-	-	-	-	N	ND
Acetophenone	-	3 / 12	25%	0.047 - 0.07	DD-516	0.07	-	0.054	0.18 - 0.65	0 / 2	<0.21	-	12000	-	-	-	-	N	BSL
Atrazine	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	10	-	-	-	-	N	ND
Benzaldehyde	-	2 / 12	17%	0.12 - 0.32	DD-519	0.12	-	0.32	0.18 - 0.27	1 / 2	0.046	-	820	-	-	-	-	N	BSL
Benzyl butyl phthalate	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	1200	-	-	-	-	N	ND
Biphenyl	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	20	-	-	-	-	N	ND
Bis(2-chloroethoxy)methane	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	250	-	-	-	-	N	ND
Bis(2-ethylhexyl)phthalate	-	2 / 12	17%	0.27 - 3.4	DD-519	0.27	-	3.4	0.18 - 0.27	3 / 9	0.24 - 3.1	2.41	160	-	-	-	-	N	BSL
Caprolactam	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	40000	-	-	-	-	N	ND
Carbazole	-	2 / 12	17%	0.031 - 0.04	DD-507	-	0.031	0.04	0.18 - 0.65	0 / 2	<0.21	-	NS	-	-	-	-	N	ND
Cresol	-	1 / 12	8%	0.3	DD-505	-	0.3	-	0.18 - 0.65	0 / 2	<0.21	-	8200	-	-	-	-	N	BSL
Dibenzofuran	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	2 / 9	0.19 - 0.92	1.11	100	-	-	-	-	N	ND
Dibutyl phthalate	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	8200	-	-	-	-	N	ND
Dichloroethyl ether	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	1	-	-	-	-	N	ND
Diethyl phthalate	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	66000	-	-	-	-	N	ND
Dimethyl phthalate	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	NS	-	-	-	-	N	ND
Dinitro-o-cresol	-	0 / 12	0%	-	-	-	-	-	0.36 - 1.3	0 / 2	<0.41	-	6.6	-	-	-	-	N	ND
Di-n-octyl phthalate	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	820	-	-	-	-	N	ND
Diphenylamine	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	8200	-	-	-	-	N	ND
Hexachlorobenzene	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	0.96	-	-	-	-	N	ND
Hexachlorobutadiene	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	5.3	-	-	-	-	N	ND
Hexachlorocyclopentadiene	-	0 / 9	0%	-	-	-	-	-	0.18 - 0.27	0 / 2	<0.21	-	0.75	-	-	-	-	N	ND

Table 7
Human Health COPC Screening: Sediment
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent (a)	Surrogate (b)	Detection Frequency	% Detects	Range of Detections	Location of Maximum Concentration	Maximum Concentration			Range of DLs for NDs	Background Detection Frequency (c)	Background Range (c)	Background Average Detect x 2 (d)	Industrial RSL (e)	# Detects > Ind RSL			# DLs > Ind RSL (all areas)	COPC Flag (Y/N)	Rationale for Excluding (f)
						MNOP Site	MNOP/ AWI Boundary	South of Site						MNOP Site	MNOP/ AWI Boundary	South of Site			
Hexachloroethane	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	8	-	-	-	-	N	ND
Isophorone	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	2400	-	-	-	-	N	ND
n-Nitrosodi-n-propylamine	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	0.33	-	-	-	1	N	ND
o-Cresol	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	4100	-	-	-	-	N	ND
p-Chloroaniline	-	0 / 9	0%	-	-	-	-	-	0.18 - 0.27	0 / 2	<0.21	-	11	-	-	-	-	N	ND
Pentachlorophenol	-	0 / 12	0%	-	-	-	-	-	0.36 - 1.3	0 / 2	<0.41	-	4	-	-	-	-	N	ND
Phenol	-	0 / 12	0%	-	-	-	-	-	0.18 - 0.65	0 / 2	<0.21	-	25000	-	-	-	-	N	ND
VOCs (mg/kg)																			
1,1,1-Trichloroethane	-	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	0 / 2	<0.0064	-	3600	-	-	-	-	N	ND
1,1,2,2-Tetrachloroethane	-	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	0 / 2	<0.0064	-	2.7	-	-	-	-	N	ND
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	-	0 / 12	0%	-	-	-	-	-	0.0029 - 0.02	0 / 2	<0.0064	-	2800	-	-	-	-	N	ND
1,1,2-Trichloroethane	-	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	0 / 2	<0.0064	-	0.63	-	-	-	-	N	ND
1,1-Dichloroethane	-	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	0 / 2	<0.0064	-	16	-	-	-	-	N	ND
1,1-Dichloroethene	-	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	0 / 2	<0.0064	-	100	-	-	-	-	N	ND
1,2,3-Trichlorobenzene	-	0 / 12	0%	-	-	-	-	-	0.0029 - 0.02	0 / 2	<0.0064	-	93	-	-	-	-	N	ND
1,2,4-Trichlorobenzene	-	0 / 12	0%	-	-	-	-	-	0.0029 - 0.02	0 / 2	<0.0064	-	26	-	-	-	-	N	ND
1,2-Dibromo-3-chloropropane	-	0 / 12	0%	-	-	-	-	-	0.0029 - 0.02	0 / 2	<0.0064	-	0.064	-	-	-	-	N	ND
1,2-Dichlorobenzene	-	0 / 12	0%	-	-	-	-	-	0.0029 - 0.02	0 / 2	<0.0064	-	930	-	-	-	-	N	ND
1,2-Dichloroethane	-	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	0 / 2	<0.0064	-	2	-	-	-	-	N	ND
1,2-Dichloroethene	cis-1,2-Dichloroethene	0 / 5	0%	-	-	-	-	-	0.002 - 0.0028	-	-	-	230	-	-	-	-	N	ND
1,2-Dichloropropane	-	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	0 / 2	<0.0064	-	6.6	-	-	-	-	N	ND
1,3-Dichlorobenzene	-	0 / 12	0%	-	-	-	-	-	0.0029 - 0.02	0 / 2	<0.0064	-	NS	-	-	-	-	N	ND
1,4-Dichlorobenzene	-	0 / 12	0%	-	-	-	-	-	0.0029 - 0.02	0 / 2	<0.0064	-	11	-	-	-	-	N	ND
2-Butanone	-	4 / 17	24%	0.0059 - 0.046	DD-519	0.0077	-	0.046	0.005 - 0.017	0 / 2	<0.013	-	19000	-	-	-	-	N	BSL
2-Hexanone	-	0 / 16	0%	-	-	-	-	-	0.005 - 0.039	0 / 2	<0.013	-	130	-	-	-	-	N	ND
4-Methyl-2-pentanone	-	1 / 16	6%	0.0064	ISD-204	-	-	0.0064	0.005 - 0.039	0 / 2	<0.013	-	14000	-	-	-	-	N	BSL
Acetone	-	11 / 12	92%	0.0058 - 0.25	DD-518	0.18	0.026	0.25	0.0068 - 0.0068	-	-	-	67000	-	-	-	-	N	BSL
Benzene	-	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	0 / 2	<0.0064	-	5.1	-	-	-	-	N	ND
Bromodichloromethane	-	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	0 / 2	<0.0064	-	1.3	-	-	-	-	N	ND
Bromoform	-	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	0 / 2	<0.0064	-	86	-	-	-	-	N	ND
Carbon disulfide	-	0 / 17	0%	-	-	-	-	-	0.0029 - 0.02	0 / 2	<0.0064	-	350	-	-	-	-	N	ND
Carbon tetrachloride	-	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	0 / 2	<0.0064	-	2.9	-	-	-	-	N	ND
Chlorobenzene	-	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	0 / 2	<0.0064	-	130	-	-	-	-	N	ND
Chlorobromomethane	-	0 / 12	0%	-	-	-	-	-	0.0029 - 0.02	0 / 2	<0.0064	-	63	-	-	-	-	N	ND
Chloroethane	-	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	0 / 2	<0.0064	-	5700	-	-	-	-	N	ND
Chloroform	-	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	0 / 2	<0.0064	-	1.4	-	-	-	-	N	ND
cis-1,2-Dichloroethene	-	0 / 12	0%	-	-	-	-	-	0.0029 - 0.02	0 / 2	<0.0064	-	230	-	-	-	-	N	ND
cis-1,3-Dichloropropene	1,3-Dichloropropene	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	0 / 2	<0.0064	-	8.2	-	-	-	-	N	ND
Cyclohexane	-	0 / 12	0%	-	-	-	-	-	0.0029 - 0.02	0 / 2	<0.0064	-	2700	-	-	-	-	N	ND
Dibromochloromethane	-	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	0 / 2	<0.0064	-	39	-	-	-	-	N	ND
Dichlorodifluoromethane (Freon 12)	-	0 / 12	0%	-	-	-	-	-	0.0029 - 0.02	0 / 2	<0.0064	-	37	-	-	-	-	N	ND
Ethylbenzene	-	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	0 / 2	<0.0064	-	25	-	-	-	-	N	ND
Ethylene dibromide	-	0 / 12	0%	-	-	-	-	-	0.0029 - 0.02	0 / 2	<0.0064	-	0.16	-	-	-	-	N	ND
Isopropylbenzene (Cumene)	-	0 / 12	0%	-	-	-	-	-	0.0029 - 0.02	0 / 2	<0.0064	-	990	-	-	-	-	N	ND
Methyl acetate	-	2 / 12	17%	0.0033 - 0.0059	DD-518	-	0.0033	0.0059	0.0029 - 0.02	2 / 2	0.0021 - 0.0068	0.0089	120000	-	-	-	-	N	BSL
Methyl bromide	-	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	0 / 2	<0.0064	-	3	-	-	-	-	N	ND
Methyl chloride	-	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	0 / 2	<0.0064	-	46	-	-	-	-	N	ND
Methyl tert-butyl ether	-	0 / 12	0%	-	-	-	-	-	0.0029 - 0.02	0 / 2	<0.0064	-	210	-	-	-	-	N	ND
Methylcyclohexane	-	1 / 12	8%	0.0036	DD-519	-	-	0.0036	0.0029 - 0.0084	0 / 2	<0.0064	-	NS	-	-	-	-	N	ND
Methylene chloride	-	0 / 17	0%	-	-	-	-	-	0.0029 - 0.02	1 / 9	0.0046	-	320	-	-	-	-	N	ND
Styrene	-	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	0 / 2	<0.0064	-	3500	-	-	-	-	N	ND
Tetrachloroethene	-	3 / 17	18%	0.00039 - 0.0051	DD-519	0.0006	-	0.0051	0.001 - 0.0084	0 / 2	<0.0064	-	39	-	-	-	-	N	BSL
Toluene	-	4 / 17	24%	0.0005 - 0.00093	ISD-202	-	-	0.00093	0.001 - 0.02	4 / 9	0.0031 - 0.065	0.0393	4700	-	-	-	-	N	BSL

Table 7
Human Health COPC Screening: Sediment
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent (a)	Surrogate (b)	Detection Frequency	% Detects	Range of Detections	Location of Maximum Concentration	Maximum Concentration			Range of DLs for NDs	Background Detection Frequency (c)	Background Range (c)	Background Average Detect x 2 (d)	Industrial RSL (e)	# Detects > Ind RSL			# DLs > Ind RSL (all areas)	COPC Flag (Y/N)	Rationale for Excluding (f)
						MNOP Site	MNOP/ AWI Boundary	South of Site						MNOP Site	MNOP/ AWI Boundary	South of Site			
trans-1,2-Dichloroethene	-	0 / 12	0%	-	-	-	-	-	0.0029 - 0.02	0 / 2	<0.0064	-	2300	-	-	-	-	N	ND
trans-1,3-Dichloropropene	1,3-Dichloropropene	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	0 / 2	<0.0064	-	8.2	-	-	-	-	N	ND
Trichloroethene	-	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	1 / 9	0.005	-	1.9	-	-	-	-	N	ND
Trichlorofluoromethane (Freon 11)	-	0 / 12	0%	-	-	-	-	-	0.0029 - 0.02	0 / 2	<0.0064	-	35000	-	-	-	-	N	ND
Vinyl chloride	-	0 / 17	0%	-	-	-	-	-	0.001 - 0.02	0 / 2	<0.0064	-	1.7	-	-	-	-	N	ND
m,p-Xylenes	m-xylene	0 / 12	0%	-	-	-	-	-	0.0029 - 0.02	0 / 2	<0.0064	-	240	-	-	-	-	N	ND
o-Xylene	-	0 / 12	0%	-	-	-	-	-	0.0029 - 0.02	0 / 2	<0.0064	-	280	-	-	-	-	N	ND
Xylene, Total	-	0 / 5	0%	-	-	-	-	-	0.003 - 0.0042	-	-	-	250	-	-	-	-	N	ND

Notes:
- Not applicable for this constituent
ND- Nondetect
DL - Detection Limit
COPC - Constituent of Potential Concern
(a) Constituents analyzed in sediment samples collected from drainage features on the MNOP Site, the MNOP/AWI boundary, and south of the site during investigations performed in 1996 (background samples), 2000, 2009, and 2011. Individual results for the samples included in this evaluation are provided in an appendix to this report.
(b) A surrogate was used to identify a proxy RSL for a constituent without an RSL in the following circumstances: (1) an RSL was available for an isomer/congener or for the total of a group of isomers/congeners to which the reported constituent belongs (e.g., the RSL for 1,3-dichloropropene was used as a proxy value for the cis- and trans- isomers), and (2) a surrogate chemical that has been widely accepted and documented in the literature as an appropriate surrogate was available (e.g., pyrene is used for acenaphthylene, benzo(g,h,i)perylene, and phenanthrene).
(c) Background sample locations collected in sediment include: DD-502-SD, DD-503-SD, ISD-101 to ISD-106, and MNOP-D2-01-SD.
(d) A concentration of 2 times the average background level is provided for constituents with two or more detected concentrations in the background dataset. Consistent with EPA Region 4 Human Health Risk Assessment Supplemental Guidance (March 2018 Update), a constituent may be eliminated as a COPC if it is less than 2 times the average background level.
(e) Industrial RSL (Ind RSL) - EPA Regional Screening Level for Industrial Direct Contact with Soil, based on a target risk of 1E-06 and a hazard quotient of 0.1 (November 2018 update).
(f) Rationale for Excluding:
BSL - Below Screening Level
ND - Constituent was not detected in this medium
NHHC - Not a Human Health Concern
NS - No Standard Available

Table 8
Human Health COPC Screening: Surface Water
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent (a)	CAS	Surrogate (b)	Detection Frequency	% Detects	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	Background Detection Frequency (c)	Background Range (c)	Background Average Detect x 2 (d)	EPA WQC (e)	EPA Tapwater RSL (f)	Final SW Screening Level (g)	# Detects >SW SL	# NDs >SW SL	COPC Flag (Y/N)	Rationale for Excluding (h)
Inorganics (mg/L)																	
Aluminum	7429-90-5	-	1 / 1	100%	0.058	DD-507	-	-	-	-	NS	2	2	-	-	N	BSL
Antimony	7440-36-0	-	0 / 4	0%	-	-	0.002 - 0.06	-	-	-	0.0056	0.00078	0.0056	-	1	N	ND
Arsenic	7440-38-2	-	0 / 4	0%	-	-	0.0021 - 0.01	-	-	-	1.8E-05	0.000052	0.000018	-	4	N	ND
Barium	7440-39-3	-	1 / 1	100%	0.034	DD-507	-	-	-	-	1	0.38	1	-	-	N	BSL
Beryllium	7440-41-7	-	0 / 4	0%	-	-	0.00017 - 0.005	-	-	-	NS	0.0025	0.0025	-	1	N	ND
Cadmium	7440-43-9	-	0 / 4	0%	-	-	0.00023 - 0.005	-	-	-	NS	0.00092	0.00092	-	1	N	ND
Calcium	7440-70-2	-	1 / 1	100%	120	DD-507	-	-	-	-	NHHC	NHHC	NHHC	-	-	N	NHHC
Chromium	7440-47-3	Chromium III	0 / 4	0%	-	-	0.00086 - 0.01	-	-	-	57	2.2	57	-	-	N	ND
Cobalt	7440-48-4	-	0 / 1	0%	-	-	0.05	-	-	-	NS	0.0006	0.0006	-	1	N	ND
Copper	7440-50-8	-	0 / 4	0%	-	-	0.001 - 0.025	4 / 4	0.0111 - 0.0155	0.0279	1.3	0.08	1.3	-	-	N	ND
Cyanide CN-	57-12-5	-	0 / 1	0%	-	-	0.01	-	-	-	0.004	0.00015	0.004	-	1	N	ND
Iron	7439-89-6	-	1 / 1	100%	0.14	DD-507	-	-	-	-	NS	1.4	1.4	-	-	N	BSL
Lead	7439-92-1	-	0 / 4	0%	-	-	0.0011 - 0.01	1 / 4	0.0031	-	NS	0.015	0.015	-	-	N	ND
Magnesium	7439-95-4	-	1 / 1	100%	4	DD-507	-	-	-	-	NHHC	NHHC	NHHC	-	-	N	NHHC
Manganese	7439-96-5	-	1 / 1	100%	0.022	DD-507	-	-	-	-	0.05	0.043	0.05	-	-	N	BSL
Mercury	7439-97-6	-	0 / 4	0%	-	-	0.000043 - 0.0002	1 / 4	0.0002	-	NS	0.000063	0.000063	-	1	N	ND
Nickel	7440-02-0	-	3 / 4	75%	0.0012 - 0.0032	ISW-202	0.0011	-	-	-	0.61	0.039	0.61	-	-	N	BSL
Potassium	7440-09-7	-	1 / 1	100%	2.4	DD-507	-	-	-	-	NHHC	NHHC	NHHC	-	-	N	NHHC
Selenium	7782-49-2	-	0 / 4	0%	-	-	0.0021 - 0.035	1 / 4	0.0023	-	0.17	0.01	0.17	-	-	N	ND
Silver	7440-22-4	-	0 / 4	0%	-	-	0.0011 - 0.01	-	-	-	NS	0.0094	0.0094	-	1	N	ND
Sodium	7440-23-5	-	1 / 1	100%	29	DD-507	-	-	-	-	NHHC	NHHC	NHHC	-	-	N	NHHC
Thallium	7440-28-0	-	0 / 4	0%	-	-	0.0036 - 0.025	-	-	-	0.00024	0.00002	0.00024	-	4	N	ND
Vanadium	7440-62-2	-	1 / 1	100%	0.012	DD-507	-	-	-	-	NS	0.0086	0.0086	1	-	Y	-
Zinc	7440-66-6	-	3 / 4	75%	0.0282 - 0.0346	ISW-203	0.06	4 / 4	0.167 - 0.215	0.372	7.4	0.6	7.4	-	-	N	BSL
PCBs - Dissolved (ug/L)																	
Aroclor 1016	12674-11-2	Total PCBs (WQC)	0 / 3	0%	-	-	0.1	-	-	-	6.4E-05	0.14	0.000064	-	3	N	ND
Aroclor 1221	11104-28-2	Total PCBs (WQC)	0 / 3	0%	-	-	0.1	-	-	-	6.4E-05	0.0047	0.000064	-	3	N	ND
Aroclor 1232	11141-16-5	Total PCBs (WQC)	0 / 3	0%	-	-	0.1	-	-	-	6.4E-05	0.0047	0.000064	-	3	N	ND
Aroclor 1242	53469-21-9	Total PCBs (WQC)	0 / 3	0%	-	-	0.1	-	-	-	6.4E-05	0.0078	0.000064	-	3	N	ND
Aroclor 1248	12672-29-6	Total PCBs (WQC)	0 / 3	0%	-	-	0.1	-	-	-	6.4E-05	0.0078	0.000064	-	3	N	ND
Aroclor 1254	11097-69-1	Total PCBs (WQC)	0 / 3	0%	-	-	0.1	-	-	-	6.4E-05	0.0078	0.000064	-	3	N	ND
Aroclor 1260	11096-82-5	Total PCBs (WQC)	0 / 3	0%	-	-	0.1	-	-	-	6.4E-05	0.0078	0.000064	-	3	N	ND
PCBs (ug/L)																	
Aroclor 1016	12674-11-2	Total PCBs (WQC)	0 / 4	0%	-	-	0.1 - 1	-	-	-	6.4E-05	0.14	0.000064	-	4	N	ND
Aroclor 1221	11104-28-2	Total PCBs (WQC)	0 / 4	0%	-	-	0.1 - 1	-	-	-	6.4E-05	0.0047	0.000064	-	4	N	ND
Aroclor 1232	11141-16-5	Total PCBs (WQC)	0 / 4	0%	-	-	0.1 - 1	-	-	-	6.4E-05	0.0047	0.000064	-	4	N	ND
Aroclor 1242	53469-21-9	Total PCBs (WQC)	0 / 4	0%	-	-	0.1 - 1	-	-	-	6.4E-05	0.0078	0.000064	-	4	N	ND
Aroclor 1248	12672-29-6	Total PCBs (WQC)	0 / 4	0%	-	-	0.1 - 1	-	-	-	6.4E-05	0.0078	0.000064	-	4	N	ND
Aroclor 1254	11097-69-1	Total PCBs (WQC)	0 / 4	0%	-	-	0.1 - 1	-	-	-	6.4E-05	0.0078	0.000064	-	4	N	ND
Aroclor 1260	11096-82-5	Total PCBs (WQC)	0 / 4	0%	-	-	0.1 - 1	-	-	-	6.4E-05	0.0078	0.000064	-	4	N	ND
Aroclor 1262	37324-23-5	Total PCBs (WQC)	0 / 1	0%	-	-	1	-	-	-	6.4E-05	NS	0.000064	-	1	N	ND
Aroclor 1268	11100-14-4	Total PCBs (WQC)	0 / 1	0%	-	-	1	-	-	-	6.4E-05	NS	0.000064	-	1	N	ND
Energetics (ug/L)																	
2,4-Dinitrotoluene	121-14-2	-	0 / 1	0%	-	-	5	-	-	-	0.049	0.24	0.049	-	1	N	ND
2,6-Dinitrotoluene	606-20-2	-	0 / 1	0%	-	-	5	-	-	-	NS	0.049	0.049	-	1	N	ND
Nitrobenzene	98-95-3	-	0 / 1	0%	-	-	5	1 / 4	10	-	10	0.14	10	-	-	N	ND
PAHs (ug/L)																	
2-Methylnaphthalene	91-57-6	-	0 / 1	0%	-	-	5	-	-	-	NS	3.6	3.6	-	1	N	ND
Acenaphthene	83-32-9	-	0 / 1	0%	-	-	5	-	-	-	70	53	70	-	-	N	ND
Acenaphthylene	208-96-8	Pyrene	0 / 1	0%	-	-	5	-	-	-	NS	12	12	-	-	N	ND
Anthracene	120-12-7	-	0 / 1	0%	-	-	5	-	-	-	300	180	300	-	-	N	ND
Benzo(a)anthracene	56-55-3	-	0 / 1	0%	-	-	5	-	-	-	0.0012	0.03	0.0012	-	1	N	ND
Benzo(a)pyrene	50-32-8	-	0 / 1	0%	-	-	5	-	-	-	0.00012	0.025	0.00012	-	1	N	ND
Benzo(b)fluoranthene	205-99-2	-	0 / 1	0%	-	-	5	-	-	-	0.0012	0.25	0.0012	-	1	N	ND
Benzo(g,h,i)perylene	191-24-2	Pyrene	0 / 1	0%	-	-	5	-	-	-	NS	12	12	-	-	N	ND
Benzo(k)fluoranthene	207-08-9	-	0 / 1	0%	-	-	5	-	-	-	0.012	2.5	0.012	-	1	N	ND
Chrysene	218-01-9	-	0 / 1	0%	-	-	5	-	-	-	0.12	25	0.12	-	1	N	ND
Dibenzo(a,h)anthracene	53-70-3	-	0 / 1	0%	-	-	5	-	-	-	0.00012	0.025	0.00012	-	1	N	ND
Fluoranthene	206-44-0	-	0 / 1	0%	-	-	5	-	-	-	20	80	20	-	-	N	ND
Fluorene	86-73-7	-	0 / 1	0%	-	-	5	-	-	-	50	29	50	-	-	N	ND
Indeno(1,2,3-cd)pyrene	193-39-5	-	0 / 1	0%	-	-	5	-	-	-	0.0012	0.25	0.0012	-	1	N	ND

Table 8
Human Health COPC Screening: Surface Water
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent (a)	CAS	Surrogate (b)	Detection Frequency	% Detects	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	Background Detection Frequency (c)	Background Range (c)	Background Average Detect x 2 (d)	EPA WQC (e)	EPA Tapwater RSL (f)	Final SW Screening Level (g)	# Detects >SW SL	# NDs >SW SL	COPC Flag (Y/N)	Rationale for Excluding (h)
Naphthalene	91-20-3	-	0 / 1	0%	-	-	5	-	-	-	NS	0.17	0.17	-	1	N	ND
Phenanthrene	85-01-8	Pyrene	0 / 1	0%	-	-	5	-	-	-	NS	12	12	-	-	N	ND
Pyrene	129-00-0	-	0 / 1	0%	-	-	5	-	-	-	20	12	20	-	-	N	ND
Pesticides (ug/L)																	
4,4'-DDD	72-54-8	-	0 / 1	0%	-	-	0.1	-	-	-	0.00012	0.0063	0.00012	-	1	N	ND
4,4'-DDE	72-55-9	-	0 / 1	0%	-	-	0.1	-	-	-	1.8E-05	0.046	0.000018	-	1	N	ND
4,4'-DDT	50-29-3	-	0 / 1	0%	-	-	0.1	-	-	-	0.00003	0.23	0.00003	-	1	N	ND
Aldrin	309-00-2	-	0 / 1	0%	-	-	0.05	-	-	-	7.7E-07	0.00092	7.7E-07	-	1	N	ND
alpha-BHC/HCH	319-84-6	-	0 / 1	0%	-	-	0.05	-	-	-	0.00036	0.0072	0.00036	-	1	N	ND
alpha-Chlordane	5103-71-9	Chlordane	0 / 1	0%	-	-	0.05	-	-	-	0.00031	0.02	0.00031	-	1	N	ND
beta-BHC/HCH	319-85-7	-	0 / 1	0%	-	-	0.05	-	-	-	0.008	0.025	0.008	-	1	N	ND
Chlorinated camphene/ Toxaphene	8001-35-2	-	0 / 1	0%	-	-	5	-	-	-	0.0007	0.071	0.0007	-	1	N	ND
cis-Heptachlor epoxide	1024-57-3	-	0 / 1	0%	-	-	0.05	-	-	-	3.2E-05	0.0014	0.000032	-	1	N	ND
delta-BHC/HCH	319-86-8	-	0 / 1	0%	-	-	0.05	-	-	-	NS	NS	NS	-	-	N	ND
Dieldrin	60-57-1	-	0 / 1	0%	-	-	0.1	-	-	-	1.2E-06	0.0018	0.0000012	-	1	N	ND
Endosulfan I (Alpha)	959-98-8	Endosulfan	0 / 1	0%	-	-	0.05	-	-	-	20	10	20	-	-	N	ND
Endosulfan II (Beta)	33213-65-9	Endosulfan	0 / 1	0%	-	-	0.1	-	-	-	20	10	20	-	-	N	ND
Endosulfan sulfate	1031-07-8	Endosulfan	0 / 1	0%	-	-	0.1	-	-	-	20	10	20	-	-	N	ND
Endrin	72-20-8	-	0 / 1	0%	-	-	0.1	-	-	-	0.03	0.23	0.03	-	1	N	ND
Endrin aldehyde	7421-93-4	Endrin	0 / 1	0%	-	-	0.1	-	-	-	1	0.23	1	-	-	N	ND
Endrin ketone	53494-70-5	Endrin	0 / 1	0%	-	-	0.1	-	-	-	NS	0.23	0.23	-	-	N	ND
gamma-BHC/HCH (Lindane)	58-89-9	-	0 / 1	0%	-	-	0.05	-	-	-	4.2	0.042	4.2	-	-	N	ND
gamma-Chlordane	5566-34-7	Chlordane	0 / 1	0%	-	-	0.05	-	-	-	0.00031	0.02	0.00031	-	1	N	ND
Heptachlor	76-44-8	-	0 / 1	0%	-	-	0.05	-	-	-	5.9E-06	0.0014	0.0000059	-	1	N	ND
Methoxychlor	72-43-5	-	0 / 1	0%	-	-	0.5	-	-	-	0.02	3.7	0.02	-	1	N	ND
SVOCs (ug/L)																	
1,2,4,5-Tetrachlorobenzene	95-94-3	-	0 / 1	0%	-	-	5	-	-	-	0.03	0.17	0.03	-	1	N	ND
2,2-Oxybis(2-chloropropane)	39638-32-9	-	0 / 1	0%	-	-	5	-	-	-	NS	NS	NS	-	-	N	ND
2,3,4,6-Tetrachlorophenol	58-90-2	-	0 / 1	0%	-	-	5	-	-	-	NS	24	24	-	-	N	ND
2,4,5-Trichlorophenol	95-95-4	-	0 / 1	0%	-	-	5	-	-	-	300	120	300	-	-	N	ND
2,4,6-Trichlorophenol	88-06-2	-	0 / 1	0%	-	-	5	-	-	-	1.5	1.2	1.5	-	1	N	ND
2,4-Dichlorophenol	120-83-2	-	0 / 1	0%	-	-	5	-	-	-	10	4.6	10	-	-	N	ND
2,4-Dimethylphenol	105-67-9	-	0 / 1	0%	-	-	5	-	-	-	100	36	100	-	-	N	ND
2,4-Dinitrophenol	51-28-5	-	0 / 1	0%	-	-	10	-	-	-	10	3.9	10	-	-	N	ND
2-Chloronaphthalene	91-58-7	-	0 / 1	0%	-	-	5	-	-	-	800	75	800	-	-	N	ND
2-Chlorophenol	95-57-8	-	0 / 1	0%	-	-	5	-	-	-	30	9.1	30	-	-	N	ND
2-Nitroaniline	88-74-4	-	0 / 1	0%	-	-	10	-	-	-	NS	19	19	-	-	N	ND
2-Nitrophenol	88-75-5	-	0 / 1	0%	-	-	5	-	-	-	NS	NS	NS	-	-	N	ND
3,3'-Dichlorobenzidine	91-94-1	-	0 / 1	0%	-	-	5	-	-	-	0.049	0.13	0.049	-	1	N	ND
3-Nitroaniline	99-09-2	-	0 / 1	0%	-	-	10	-	-	-	NS	NS	NS	-	-	N	ND
4-Bromophenyl phenyl ether	101-55-3	-	0 / 1	0%	-	-	5	-	-	-	NS	NS	NS	-	-	N	ND
4-Chloro-3-methylphenol	59-50-7	-	0 / 1	0%	-	-	5	-	-	-	500	140	500	-	-	N	ND
4-Chlorophenyl phenyl ether	7005-72-3	-	0 / 1	0%	-	-	5	-	-	-	NS	NS	NS	-	-	N	ND
4-Nitroaniline	100-01-6	-	0 / 1	0%	-	-	10	-	-	-	NS	3.8	3.8	-	1	N	ND
4-Nitrophenol	100-02-7	-	0 / 1	0%	-	-	10	-	-	-	NS	NS	NS	-	-	N	ND
Acetophenone	98-86-2	-	0 / 1	0%	-	-	5	-	-	-	NS	190	190	-	-	N	ND
Atrazine	1912-24-9	-	0 / 1	0%	-	-	5	-	-	-	NS	0.3	0.3	-	1	N	ND
Benzaldehyde	100-52-7	-	0 / 1	0%	-	-	5	-	-	-	NS	19	19	-	-	N	ND
Benzyl butyl phthalate	85-68-7	-	0 / 1	0%	-	-	5	-	-	-	0.1	16	0.1	-	1	N	ND
Biphenyl	92-52-4	-	0 / 1	0%	-	-	5	-	-	-	NS	0.083	0.083	-	1	N	ND
Bis(2-chloroethoxy)methane	111-91-1	-	0 / 1	0%	-	-	5	-	-	-	NS	5.9	5.9	-	-	N	ND
Bis(2-ethylhexyl)phthalate	117-81-7	-	0 / 1	0%	-	-	5	-	-	-	0.32	5.6	0.32	-	1	N	ND
Caprolactam	105-60-2	-	0 / 1	0%	-	-	5	-	-	-	NS	990	990	-	-	N	ND
Carbazole	86-74-8	-	0 / 1	0%	-	-	5	-	-	-	NS	NS	NS	-	-	N	ND
Cresol	1319-77-3	-	0 / 1	0%	-	-	5	-	-	-	NS	150	150	-	-	N	ND
Dibenzofuran	132-64-9	-	0 / 1	0%	-	-	5	-	-	-	NS	0.79	0.79	-	1	N	ND
Dibutyl phthalate	84-74-2	-	0 / 1	0%	-	-	5	-	-	-	20	90	20	-	-	N	ND
Dichloroethyl ether	111-44-4	-	0 / 1	0%	-	-	5	-	-	-	0.03	0.014	0.03	-	1	N	ND
Diethyl phthalate	84-66-2	-	0 / 1	0%	-	-	5	-	-	-	600	1500	600	-	-	N	ND
Dimethyl phthalate	131-11-3	-	0 / 1	0%	-	-	5	-	-	-	2000	NS	2000	-	-	N	ND
Dinitro-o-cresol	534-52-1	-	0 / 1	0%	-	-	10	-	-	-	2	0.15	2	-	1	N	ND
Di-n-octyl phthalate	117-84-0	-	0 / 1	0%	-	-	5	-	-	-	NS	20	20	-	-	N	ND

Table 8
Human Health COPC Screening: Surface Water
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent (a)	CAS	Surrogate (b)	Detection Frequency	% Detects	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	Background Detection Frequency (c)	Background Range (c)	Background Average Detect x 2 (d)	EPA WQC (e)	EPA Tapwater RSL (f)	Final SW Screening Level (g)	# Detects >SW SL	# NDs >SW SL	COPC Flag (Y/N)	Rationale for Excluding (h)
Diphenylamine	122-39-4	-	0 / 1	0%	-	-	5	-	-	-	NS	130	130	-	-	N	ND
Hexachlorobenzene	118-74-1	-	0 / 1	0%	-	-	5	-	-	-	7.9E-05	0.0098	0.000079	-	1	N	ND
Hexachlorobutadiene	87-68-3	-	0 / 1	0%	-	-	5	-	-	-	0.01	0.14	0.01	-	1	N	ND
Hexachlorocyclopentadiene	77-47-4	-	0 / 1	0%	-	-	5	-	-	-	4	0.041	4	-	1	N	ND
Hexachloroethane	67-72-1	-	0 / 1	0%	-	-	5	-	-	-	0.1	0.33	0.1	-	1	N	ND
Isophorone	78-59-1	-	0 / 1	0%	-	-	5	-	-	-	34	78	34	-	-	N	ND
n-Nitrosodi-n-propylamine	621-64-7	-	0 / 1	0%	-	-	5	-	-	-	0.005	0.011	0.005	-	1	N	ND
o-Cresol	95-48-7	-	0 / 1	0%	-	-	5	-	-	-	NS	93	93	-	-	N	ND
p-Chloroaniline	106-47-8	-	0 / 1	0%	-	-	5	-	-	-	NS	0.37	0.37	-	1	N	ND
Pentachlorophenol	87-86-5	-	0 / 1	0%	-	-	10	-	-	-	0.03	0.041	0.03	-	1	N	ND
Phenol	108-95-2	-	0 / 1	0%	-	-	5	-	-	-	4000	580	4000	-	-	N	ND
VOCs (ug/L)																	
1,1,1-Trichloroethane	71-55-6	-	0 / 4	0%	-	-	1 - 5	-	-	-	10000	800	10000	-	-	N	ND
1,1,2,2-Tetrachloroethane	79-34-5	-	0 / 4	0%	-	-	1 - 5	-	-	-	0.2	0.076	0.2	-	4	N	ND
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	-	0 / 1	0%	-	-	5	-	-	-	NS	1000	1000	-	-	N	ND
1,1,2-Trichloroethane	79-00-5	-	0 / 4	0%	-	-	1 - 5	-	-	-	0.55	0.041	0.55	-	4	N	ND
1,1-Dichloroethane	75-34-3	-	0 / 4	0%	-	-	1 - 5	-	-	-	NS	2.8	2.8	-	1	N	ND
1,1-Dichloroethene	75-35-4	-	0 / 4	0%	-	-	1 - 5	-	-	-	300	28	300	-	-	N	ND
1,2,3-Trichlorobenzene	87-61-6	-	0 / 1	0%	-	-	5	-	-	-	NS	0.7	0.7	-	1	N	ND
1,2,4-Trichlorobenzene	120-82-1	-	0 / 1	0%	-	-	5	-	-	-	0.071	0.4	0.071	-	1	N	ND
1,2-Dibromo-3-chloropropane	96-12-8	-	0 / 1	0%	-	-	5	-	-	-	NS	0.00033	0.00033	-	1	N	ND
1,2-Dichlorobenzene	95-50-1	-	0 / 1	0%	-	-	5	-	-	-	1000	30	1000	-	-	N	ND
1,2-Dichloroethane	107-06-2	-	0 / 4	0%	-	-	1 - 5	-	-	-	9.9	0.17	9.9	-	-	N	ND
1,2-Dichloroethene	540-59-0	cis-1,2-DCE (RSL); trans-1,2-DCE (WQC)	0 / 3	0%	-	-	2	-	-	-	100	3.6	100	-	-	N	ND
1,2-Dichloropropane	78-87-5	-	0 / 4	0%	-	-	1 - 5	-	-	-	0.9	0.82	0.9	-	4	N	ND
1,3-Dichlorobenzene	541-73-1	-	0 / 1	0%	-	-	5	-	-	-	7	NS	7	-	-	N	ND
1,3-Dichloropropene	542-75-6	-	0 / 3	0%	-	-	1	-	-	-	0.27	0.47	0.27	-	3	N	ND
1,4-Dichlorobenzene	106-46-7	-	0 / 1	0%	-	-	5	-	-	-	300	0.48	300	-	-	N	ND
2-Butanone	78-93-3	-	0 / 4	0%	-	-	5 - 10	-	-	-	NS	560	560	-	-	N	ND
2-Hexanone	591-78-6	-	0 / 4	0%	-	-	5 - 10	-	-	-	NS	3.8	3.8	-	4	N	ND
4-Methyl-2-pentanone	108-10-1	-	0 / 4	0%	-	-	5 - 10	-	-	-	NS	630	630	-	-	N	ND
Acetone	67-64-1	-	0 / 4	0%	-	-	5 - 10	-	-	-	NS	1400	1400	-	-	N	ND
Benzene	71-43-2	-	0 / 4	0%	-	-	1 - 5	-	-	-	0.58-2.1	0.46	0.46	-	4	N	ND
Bromodichloromethane	75-27-4	-	0 / 4	0%	-	-	1 - 5	-	-	-	0.95	0.13	0.95	-	4	N	ND
Bromoform	75-25-2	-	0 / 4	0%	-	-	1 - 5	-	-	-	7	3.3	7	-	-	N	ND
Carbon disulfide	75-15-0	-	1 / 4	25%	5.1	ISW-202	5	-	-	-	NS	81	81	-	-	N	BSL
Carbon tetrachloride	56-23-5	-	0 / 4	0%	-	-	1 - 5	-	-	-	0.4	0.46	0.4	-	4	N	ND
Chlorobenzene	108-90-7	-	0 / 4	0%	-	-	1 - 5	-	-	-	100	7.8	100	-	-	N	ND
Chlorobromomethane	74-97-5	-	0 / 1	0%	-	-	5	-	-	-	NS	8.3	8.3	-	-	N	ND
Chloroethane	75-00-3	-	0 / 4	0%	-	-	1 - 5	-	-	-	NS	2100	2100	-	-	N	ND
Chloroform	67-66-3	-	0 / 4	0%	-	-	1 - 5	-	-	-	60	0.22	60	-	-	N	ND
cis-1,2-Dichloroethene	156-59-2	-	0 / 1	0%	-	-	5	-	-	-	NS	3.6	3.6	-	1	N	ND
cis-1,3-Dichloropropene	10061-01-5	1,3-Dichloropropene	0 / 4	0%	-	-	1 - 5	-	-	-	0.27	0.47	0.27	-	4	N	ND
Cyclohexane	110-82-7	-	0 / 1	0%	-	-	5	-	-	-	NS	1300	1300	-	-	N	ND
Dibromochloromethane	124-48-1	-	0 / 4	0%	-	-	1 - 5	-	-	-	0.8	0.87	0.8	-	4	N	ND
Dichlorodifluoromethane (Freon 12)	75-71-8	-	0 / 1	0%	-	-	5	-	-	-	NS	20	20	-	-	N	ND
Ethylbenzene	100-41-4	-	0 / 4	0%	-	-	1 - 5	-	-	-	68	1.5	68	-	-	N	ND
Ethylene dibromide	106-93-4	-	0 / 1	0%	-	-	5	-	-	-	NS	0.0075	0.0075	-	1	N	ND
Isopropylbenzene (Cumene)	98-82-8	-	0 / 1	0%	-	-	5	-	-	-	NS	45	45	-	-	N	ND
m,p-Xylenes	179601-23-1	m-Xylene	0 / 1	0%	-	-	5	-	-	-	NS	19	19	-	-	N	ND
Methyl acetate	79-20-9	-	0 / 1	0%	-	-	5	-	-	-	NS	2000	2000	-	-	N	ND
Methyl bromide	74-83-9	-	0 / 4	0%	-	-	1 - 5	-	-	-	100	0.75	100	-	-	N	ND
Methyl chloride	74-87-3	-	0 / 4	0%	-	-	1 - 5	-	-	-	NS	19	19	-	-	N	ND
Methyl tert-butyl ether	1634-04-4	-	0 / 1	0%	-	-	5	-	-	-	NS	14	14	-	-	N	ND
Methylcyclohexane	108-87-2	-	0 / 1	0%	-	-	5	-	-	-	NS	NS	NS	-	-	N	ND
Methylene chloride	75-09-2	-	0 / 4	0%	-	-	5	-	-	-	20	11	20	-	-	N	ND
o-Xylene	95-47-6	-	0 / 1	0%	-	-	5	-	-	-	NS	19	19	-	-	N	ND
Styrene	100-42-5	-	0 / 4	0%	-	-	1 - 5	-	-	-	NS	120	120	-	-	N	ND
Tetrachloroethene	127-18-4	-	0 / 4	0%	-	-	1 - 5	-	-	-	10	4.1	10	-	-	N	ND
Toluene	108-88-3	-	0 / 4	0%	-	-	1 - 5	4 / 4	1.4 - 1.5	2.85	57	110	57	-	-	N	ND
trans-1,2-Dichloroethene	156-60-5	-	0 / 1	0%	-	-	5	-	-	-	100	36	100	-	-	N	ND

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Constituent (a)	CAS	Surrogate (b)	Detection Frequency	% Detects	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	Background Detection Frequency (c)	Background Range (c)	Background Average Detect x 2 (d)	EPA WQC (e)	EPA Tapwater RSL (f)	Final SW Screening Level (g)	# Detects >SW SL	# NDs >SW SL	COPC Flag (Y/N)	Rationale for Excluding (h)
trans-1,3-Dichloropropene	10061-02-6	1,3-Dichloropropene	0 / 1	0%	-	-	5	-	-	-	0.27	0.47	0.27	-	1	N	ND
Trichloroethene	79-01-6	-	0 / 4	0%	-	-	1 - 5	-	-	-	0.6	0.28	0.6	-	4	N	ND
Trichlorofluoromethane (Freon 11)	75-69-4	-	0 / 1	0%	-	-	5	-	-	-	NS	520	520	-	-	N	ND
Vinyl chloride	75-01-4	-	0 / 4	0%	-	-	1 - 5	-	-	-	0.022	0.019	0.022	-	4	N	ND
Xylene, Total	1330-20-7	-	0 / 3	0%	-	-	3	-	-	-	NS	19	19	-	-	N	ND

Notes:
- Not applicable for this constituent
ND- Nondetect
DL - Detection Limit
COPC - Constituent of Potential Concern
(a) Constituents analyzed in surface water samples collected from drainage ditches south of the site during investigations at the MNOP Site (i.e., during 2000 and 2009). Individual results for the samples included in this evaluation are provided in an appendix to this report.
(b) A surrogate was used to identify a proxy RSL for a constituent without an RSL in the following circumstances: (1) an RSL was available for an isomer/congener or for the total of a group of isomers/congeners to which the reported constituent belongs (e.g., the RSL for 1,3-dichloropropene was used as a proxy value for the cis- and trans- isomers), and (2) a surrogate chemical that has been widely accepted and documented in the literature as an appropriate surrogate was available (e.g., pyrene is used for acenaphthylene, benzo(g,h,i)perylene, and phenanthrene).
(c) Background sample locations for surface water include: ISW-004, ISW-005, and ISW-006, all collected from drainage features located in the northeastern corner of the MNOP Site.
(d) A concentration of 2 times the average background level is provided for constituents with two or more detected concentrations in the background dataset. Consistent with EPA Region 4 Human Health Risk Assessment Supplemental Guidance (March 2018 Update), a constituent may be eliminated as a COPC if it is less than 2 times the average background level.
(e) EPA WQC - National Recommended Water Quality Criterion for Human Health for the Consumption of Water + Organism, obtained from EPA website February 8, 2019.
(f) Tapwater RSL - EPA Regional Screening Level for drinking water, based on a target risk of 1E-06 and a hazard quotient of 0.1 (November 2018 update)
(g) Final SW Screening Level - when available, the EPA WQC is identified as the Final SW Screening Level for identifying COPCs. When a WQC is not available, the EPA Tapwater RSL is identified as the Final SW Screening Level for identifying COPCs.
(h) Rationale for Excluding:
BSL - Below Screening Level
ND - Constituent was not detected in this medium
NHHC - Not a Human Health Concern
NS - No Standard Available

Table 9
Human Health COPC Screening: Groundwater
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent (a)	CAS	Surrogate (b)	Detection Frequency	% Detects	Range of Detections	Maximum Conc. MNOP Site	Maximum Conc. South of Site	Range of DLs for NDs	Background Detection Frequency (c)	Background Range (c)	Background Average Detect x 2 (d)	EPA Tapwater RSL (e)	EPA MCL (f)	# Detects >RSL , > MCL MNOP Site	# Detects >RSL , > MCL South of Site	# ND DLs > RSL	COPC Flag (Y/N)	Rationale for Excluding (g)
Inorganics (ug/L)																		
Aluminum	7429-90-5	-	6 / 6	100%	180 - 1500	920	1500	-	1 / 1	9900	-	2000	2000	-	-	-	N	BSL
Antimony	7440-36-0	-	0 / 32	0%	-	-	-	2.5 - 60	0 / 4	<60	-	0.78	0.78	-	-	32	N	ND
Arsenic	7440-38-2	-	1 / 32	3%	4.2	4.2	-	4 - 20	1 / 4	3.7	-	0.052	10	1 , 0	-	31	Y	-
Barium	7440-39-3	-	6 / 6	100%	22 - 64	28	64	-	1 / 1	130	-	380	2000	-	-	-	N	BSL
Beryllium	7440-41-7	-	2 / 32	6%	0.17 - 17	17	-	0.13 - 67	1 / 4	0.16	-	2.5	4	1 , 1	-	15	Y	-
Cadmium	7440-43-9	-	0 / 32	0%	-	-	-	1.1 - 5.7	0 / 4	<5	-	0.92	5	-	-	32	N	ND
Calcium	7440-70-2	-	6 / 6	100%	1600 - 8600	3000	8600	-	1 / 1	7200	-	NHHC	NHHC	-	-	-	N	NHHC
Chromium	7440-47-3	Chromium III	26 / 32	81%	0.74 - 15.2	15.2	6.4	0.7 - 10	3 / 4	11.7 - 110	100	2200	100	-	-	-	N	BSL
Cobalt	7440-48-4	-	0 / 6	0%	-	-	-	50	0 / 1	<50	-	0.6	no MCL	-	-	6	N	ND
Copper	7440-50-8	-	22 / 32	69%	0.81 - 9.6	7.8	9.6	0.74 - 74	3 / 4	4.1 - 19	18.4	80	1300	-	-	-	N	BSL
Cyanide CN-	57-12-5	-	0 / 6	0%	-	-	-	10	0 / 1	<10	-	0.15	200	-	-	6	N	ND
Iron	7439-89-6	-	6 / 6	100%	61 - 10000	10000	1400	-	1 / 1	15000	-	1400	no MCL	1	-	-	N	BKG
Lead	7439-92-1	-	12 / 32	38%	1.7 - 6.7	6.6	6.7	1.5 - 10	4 / 4	3.3 - 21	18.7	15	15	-	-	-	N	BSL
Magnesium	7439-95-4	-	6 / 6	100%	950 - 2400	1400	2400	-	1 / 1	1900	-	NHHC	NHHC	-	-	-	N	NHHC
Manganese	7439-96-5	-	6 / 6	100%	27 - 110	110	48	-	1 / 1	310	-	43	no MCL	3	1	-	N	BKG
Mercury	7439-97-6	-	4 / 30	13%	0.16 - 0.41	0.32	0.41	0.01 - 0.2	1 / 4	0.27	-	0.063	2	3 , 0	1 , 0	23	Y	-
Nickel	7440-02-0	-	17 / 32	53%	1.2 - 13.7	13.7	7.2	1.1 - 40	4 / 4	1.7 - 65	62	39	no MCL	-	-	4	N	BSL
Potassium	7440-09-7	-	6 / 6	100%	650 - 2800	2000	2800	-	1 / 1	2100	-	NHHC	NHHC	-	-	-	N	NHHC
Selenium	7782-49-2	-	3 / 32	9%	3.1 - 4.1	4.1	-	1.3 - 35	1 / 4	2.4	-	10	50	-	-	8	N	BSL
Silver	7440-22-4	-	4 / 33	12%	0.88 - 1.1	1.1	-	0.66 - 86	0 / 4	<10	-	9.4	no MCL	-	-	8	N	BSL
Sodium	7440-23-5	-	6 / 6	100%	4900 - 15000	6600	15000	-	1 / 1	7200	-	NHHC	NHHC	-	-	-	N	NHHC
Thallium	7440-28-0	-	0 / 32	0%	-	-	-	4 - 25	0 / 4	<25	-	0.02	2	-	-	32	N	ND
Vanadium	7440-62-2	-	4 / 6	67%	3.2 - 9.7	5.2	9.7	50	1 / 1	53	-	8.6	no MCL	-	1	2	N	BSL on MNOP
Zinc	7440-66-6	-	22 / 33	67%	3.1 - 376	128	376	2.6 - 60	3 / 4	19.3 - 110	136	600	no MCL	-	-	-	N	BSL
PCBs (ug/L)																		
Aroclor 1016	12674-11-2	Total PCBs	0 / 1	0%	-	-	-	1	0 / 1	<1	-	0.14	0.5	-	-	1	N	ND
Aroclor 1221	11104-28-2	Total PCBs	0 / 1	0%	-	-	-	1	0 / 1	<1	-	0.0047	0.5	-	-	1	N	ND
Aroclor 1232	11141-16-5	Total PCBs	0 / 1	0%	-	-	-	1	0 / 1	<1	-	0.0047	0.5	-	-	1	N	ND
Aroclor 1242	53469-21-9	Total PCBs	0 / 1	0%	-	-	-	1	0 / 1	<1	-	0.0078	0.5	-	-	1	N	ND
Aroclor 1248	12672-29-6	Total PCBs	0 / 1	0%	-	-	-	1	0 / 1	<1	-	0.0078	0.5	-	-	1	N	ND
Aroclor 1254	11097-69-1	Total PCBs	0 / 1	0%	-	-	-	1	0 / 1	<1	-	0.0078	0.5	-	-	1	N	ND
Aroclor 1260	11096-82-5	Total PCBs	0 / 1	0%	-	-	-	1	0 / 1	<1	-	0.0078	0.5	-	-	1	N	ND
Aroclor 1262	37324-23-5	Total PCBs	0 / 1	0%	-	-	-	1	0 / 1	<1	-	NS	0.5	-	-	-	N	ND
Aroclor 1268	11100-14-4	Total PCBs	0 / 1	0%	-	-	-	1	0 / 1	<1	-	NS	0.5	-	-	-	N	ND
Energetics (ug/L)																		
2,4-Dinitrotoluene	121-14-2	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	0.24	no MCL	-	-	24	N	ND
2,6-Dinitrotoluene	606-20-2	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	0.049	no MCL	-	-	24	N	ND
Nitrobenzene	98-95-3	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	0.14	no MCL	-	-	24	N	ND
PAHs (ug/L)																		
2-Methylnaphthalene	91-57-6	-	1 / 24	4%	0.93	0.93	-	4.6 - 43	0 / 1	<5	-	3.6	no MCL	-	-	23	N	BSL
Acenaphthene	83-32-9	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	53	no MCL	-	-	-	N	ND
Acenaphthylene	208-96-8	Pyrene	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	12	no MCL	-	-	4	N	ND
Anthracene	120-12-7	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	180	no MCL	-	-	-	N	ND
Benzo(a)anthracene	56-55-3	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	0.03	no MCL	-	-	24	N	ND
Benzo(a)pyrene	50-32-8	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	0.025	0.2	-	-	24	N	ND
Benzo(b)fluoranthene	205-99-2	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	0.25	no MCL	-	-	24	N	ND
Benzo(g,h,i)perylene	191-24-2	Pyrene	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	12	no MCL	-	-	4	N	ND
Benzo(k)fluoranthene	207-08-9	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	2.5	no MCL	-	-	24	N	ND
Chrysene	218-01-9	-	0 / 24	0%	-	-	-	4.6 - 50	0 / 1	<5	-	25	no MCL	-	-	5	N	ND
Dibenzo(a,h)anthracene	53-70-3	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	0.025	no MCL	-	-	24	N	ND
Fluoranthene	206-44-0	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	80	no MCL	-	-	-	N	ND
Fluorene	86-73-7	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	29	no MCL	-	-	4	N	ND
Indeno(1,2,3-cd)pyrene	193-39-5	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	0.25	no MCL	-	-	24	N	ND
Naphthalene	91-20-3	-	1 / 24	4%	2.3	2.3	-	4.6 - 43	0 / 1	<5	-	0.17	no MCL	1	-	23	Y	-
Phenanthrene	85-01-8	Pyrene	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	12	no MCL	-	-	4	N	ND
Pyrene	129-00-0	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	12	no MCL	-	-	4	N	ND
Pesticides (ug/L)																		
4,4'-DDD	72-54-8	-	0 / 1	0%	-	-	-	0.1	0 / 1	<0.1	-	0.0063	no MCL	-	-	1	N	ND
4,4'-DDE	72-55-9	-	0 / 1	0%	-	-	-	0.1	0 / 1	<0.1	-	0.046	no MCL	-	-	1	N	ND
4,4'-DDT	50-29-3	-	0 / 1	0%	-	-	-	0.1	0 / 1	<0.1	-	0.23	no MCL	-	-	-	N	ND

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Macon, Georgia

Constituent (a)	CAS	Surrogate (b)	Detection Frequency	% Detects	Range of Detections	Maximum Conc. MNOP Site	Maximum Conc. South of Site	Range of DLs for NDs	Background Detection Frequency (c)	Background Range (c)	Background Average Detect x 2 (d)	EPA Tapwater RSL (e)	EPA MCL (f)	# Detects >RSL , > MCL MNOP Site	# Detects >RSL , > MCL South of Site	# ND DLs > RSL	COPC Flag (Y/N)	Rationale for Excluding (g)
Aldrin	309-00-2	-	0 / 1	0%	-	-	-	0.05	0 / 1	<0.05	-	0.00092	no MCL	-	-	1	N	ND
alpha-BHC/HCH	319-84-6	-	0 / 1	0%	-	-	-	0.05	0 / 1	<0.05	-	0.0072	no MCL	-	-	1	N	ND
alpha-Chlordane	5103-71-9	Chlordane	0 / 1	0%	-	-	-	0.05	0 / 1	<0.05	-	0.02	2	-	-	1	N	ND
beta-BHC/HCH	319-85-7	-	0 / 1	0%	-	-	-	0.05	0 / 1	<0.05	-	0.025	no MCL	-	-	1	N	ND
Chlorinated camphene/ Toxaphene	8001-35-2	-	0 / 1	0%	-	-	-	5	0 / 1	<5	-	0.071	3	-	-	1	N	ND
cis-Heptachlor epoxide	1024-57-3	-	0 / 1	0%	-	-	-	0.05	0 / 1	<0.05	-	0.0014	0.2	-	-	1	N	ND
delta-BHC/HCH	319-86-8	-	0 / 1	0%	-	-	-	0.05	0 / 1	<0.05	-	NS	no MCL	-	-	-	N	ND
Dieldrin	60-57-1	-	0 / 1	0%	-	-	-	0.1	0 / 1	<0.1	-	0.0018	no MCL	-	-	1	N	ND
Endosulfan I (Alpha)	959-98-8	Endosulfan	0 / 1	0%	-	-	-	0.05	0 / 1	<0.05	-	10	no MCL	-	-	-	N	ND
Endosulfan II (Beta)	33213-65-9	Endosulfan	0 / 1	0%	-	-	-	0.1	0 / 1	<0.1	-	10	no MCL	-	-	-	N	ND
Endosulfan sulfate	1031-07-8	Endosulfan	0 / 1	0%	-	-	-	0.1	0 / 1	<0.1	-	10	no MCL	-	-	-	N	ND
Endrin	72-20-8	-	0 / 1	0%	-	-	-	0.1	0 / 1	<0.1	-	0.23	2	-	-	-	N	ND
Endrin aldehyde	7421-93-4	Endrin	0 / 1	0%	-	-	-	0.1	0 / 1	<0.1	-	0.23	no MCL	-	-	-	N	ND
Endrin ketone	53494-70-5	Endrin	0 / 1	0%	-	-	-	0.1	0 / 1	<0.1	-	0.23	no MCL	-	-	-	N	ND
gamma-BHC/HCH (Lindane)	58-89-9	-	0 / 1	0%	-	-	-	0.05	0 / 1	<0.05	-	0.042	0.2	-	-	1	N	ND
gamma-Chlordane	5566-34-7	Chlordane	0 / 1	0%	-	-	-	0.05	0 / 1	<0.05	-	0.02	2	-	-	1	N	ND
Heptachlor	76-44-8	-	0 / 1	0%	-	-	-	0.05	0 / 1	<0.05	-	0.0014	0.4	-	-	1	N	ND
Methoxychlor	72-43-5	-	0 / 1	0%	-	-	-	0.5	0 / 1	<0.5	-	3.7	40	-	-	-	N	ND
SVOCs (ug/L)																		
1,2,4,5-Tetrachlorobenzene	95-94-3	-	0 / 1	0%	-	-	-	4.6	0 / 1	<5	-	0.17	no MCL	-	-	1	N	ND
2,2-Oxybis(1-chloropropane)	108-60-1	-	0 / 23	0%	-	-	-	9.9 - 43	0 / 0	-	-	71	no MCL	-	-	-	N	ND
2,2-Oxybis(2-chloropropane)	39638-32-9	-	0 / 1	0%	-	-	-	4.6	0 / 1	<5	-	NS	no MCL	-	-	-	N	ND
2,3,4,6-Tetrachlorophenol	58-90-2	-	0 / 1	0%	-	-	-	4.6	0 / 1	<5	-	24	no MCL	-	-	-	N	ND
2,4,5-Trichlorophenol	95-95-4	-	0 / 24	0%	-	-	-	4.6 - 108	0 / 1	<5	-	120	no MCL	-	-	-	N	ND
2,4,6-Trichlorophenol	88-06-2	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	1.2	no MCL	-	-	24	N	ND
2,4-Dichlorophenol	120-83-2	-	0 / 23	0%	-	-	-	4.6 - 43	0 / 1	<5	-	4.6	no MCL	-	-	22	N	ND
2,4-Dimethylphenol	105-67-9	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	36	no MCL	-	-	4	N	ND
2,4-Dinitrophenol	51-28-5	-	0 / 24	0%	-	-	-	9.3 - 108	0 / 1	<10	-	3.9	no MCL	-	-	24	N	ND
2-Chloronaphthalene	91-58-7	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	75	no MCL	-	-	-	N	ND
2-Chlorophenol	95-57-8	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	9.1	no MCL	-	-	23	N	ND
2-Nitroaniline	88-74-4	-	0 / 24	0%	-	-	-	9.3 - 108	0 / 1	<10	-	19	no MCL	-	-	23	N	ND
2-Nitrophenol	88-75-5	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	NS	no MCL	-	-	-	N	ND
3,3'-Dichlorobenzidine	91-94-1	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	0.13	no MCL	-	-	24	N	ND
3-Nitroaniline	99-09-2	-	0 / 24	0%	-	-	-	9.3 - 108	0 / 1	<10	-	NS	no MCL	-	-	-	N	ND
4-Bromophenyl phenyl ether	101-55-3	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	NS	no MCL	-	-	-	N	ND
4-Chloro-3-methylphenol	59-50-7	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	140	no MCL	-	-	-	N	ND
4-Chlorophenyl phenyl ether	7005-72-3	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	NS	no MCL	-	-	-	N	ND
4-Nitroaniline	100-01-6	-	0 / 24	0%	-	-	-	9.3 - 108	0 / 1	<10	-	3.8	no MCL	-	-	24	N	ND
4-Nitrophenol	100-02-7	-	0 / 24	0%	-	-	-	9.3 - 108	0 / 1	<10	-	NS	no MCL	-	-	-	N	ND
A,A-Dimethylphenethylamine	122-09-8	-	0 / 16	0%	-	-	-	9.9 - 11.2	0 / 0	-	-	NS	no MCL	-	-	-	N	ND
Acetophenone	98-86-2	-	0 / 1	0%	-	-	-	4.6	0 / 1	<5	-	190	no MCL	-	-	-	N	ND
Atrazine	1912-24-9	-	0 / 1	0%	-	-	-	4.6	0 / 1	<5	-	0.3	3	-	-	1	N	ND
Benzaldehyde	100-52-7	-	0 / 1	0%	-	-	-	4.6	0 / 1	<5	-	19	no MCL	-	-	-	N	ND
Benzyl butyl phthalate	85-68-7	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	16	no MCL	-	-	4	N	ND
Biphenyl	92-52-4	-	0 / 1	0%	-	-	-	4.6	0 / 1	<5	-	0.083	no MCL	-	-	1	N	ND
Bis(2-chloroethoxy)methane	111-91-1	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	5.9	no MCL	-	-	23	N	ND
Bis(2-ethylhexyl)phthalate	117-81-7	-	6 / 24	25%	20.1 - 99.6	99.6	-	4.6 - 43	0 / 1	<5	-	5.6	6	6 , 6	-	17	N	LA
Caprolactam	105-60-2	-	3 / 4	75%	7.2 - 12.3	12.3	-	4.6	0 / 0	-	-	990	no MCL	-	-	-	N	BSL
Carbazole	86-74-8	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	NS	no MCL	-	-	-	N	ND
Cresol	1319-77-3	-	0 / 1	0%	-	-	-	4.6	0 / 1	<5	-	150	no MCL	-	-	-	N	ND
Dibenzofuran	132-64-9	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	0.79	no MCL	-	-	24	N	ND
Dibutyl phthalate	84-74-2	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	90	no MCL	-	-	-	N	ND
Dichloroethyl ether	111-44-4	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	0.014	no MCL	-	-	24	N	ND
Diethyl phthalate	84-66-2	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	1500	no MCL	-	-	-	N	ND
Dimethyl phthalate	131-11-3	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	NS	no MCL	-	-	-	N	ND
Dinitro-o-cresol	534-52-1	-	0 / 24	0%	-	-	-	9.3 - 108	0 / 1	<10	-	0.15	no MCL	-	-	24	N	ND
Di-n-octyl phthalate	117-84-0	-	0 / 22	0%	-	-	-	4.6 - 43	0 / 1	<5	-	20	no MCL	-	-	4	N	ND
Diphenylamine	122-39-4	-	0 / 1	0%	-	-	-	4.6	0 / 1	<5	-	130	no MCL	-	-	-	N	ND
Hexachlorobenzene	118-74-1	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	0.0098	1	-	-	24	N	ND
Hexachlorobutadiene	87-68-3	-	0 / 30	0%	-	-	-	0.5 - 50	0 / 1	<5	-	0.14	no MCL	-	-	30	N	ND
Hexachlorocyclopentadiene	77-47-4	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	0.041	50	-	-	24	N	ND

Table 9
Human Health COPC Screening: Groundwater
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent (a)	CAS	Surrogate (b)	Detection Frequency	% Detects	Range of Detections	Maximum Conc. MNOP Site	Maximum Conc. South of Site	Range of DLs for NDs	Background Detection Frequency (c)	Background Range (c)	Background Average Detect x 2 (d)	EPA Tapwater RSL (e)	EPA MCL (f)	# Detects >RSL , > MCL MNOP Site	# Detects >RSL , > MCL South of Site	# ND DLs > RSL	COPC Flag (Y/N)	Rationale for Excluding (g)
Hexachloroethane	67-72-1	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	0.33	no MCL	-	-	24	N	ND
Isophorone	78-59-1	-	0 / 24	0%	-	-	-	4.6 - 4300	0 / 1	<5	-	78	no MCL	-	-	1	N	ND
m,p-cresol	65794-96-9	Cresol	0 / 23	0%	-	-	-	9.9 - 43	0 / 0	-	-	150	no MCL	-	-	-	N	ND
n-Nitrosodi-n-propylamine	621-64-7	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	0.011	no MCL	-	-	24	N	ND
n-Nitrosodiphenylamine	86-30-6	-	0 / 23	0%	-	-	-	9.9 - 43	0 / 0	-	-	12	no MCL	-	-	4	N	ND
Nonanoicacid	112-05-0	-	0 / 1	0%	-	-	-	-	0 / 0	-	-	NS	no MCL	-	-	-	N	ND
o-Cresol	95-48-7	-	0 / 23	0%	-	-	-	4.6 - 43	0 / 1	<5	-	93	no MCL	-	-	-	N	ND
Octanoic acid	124-07-2	-	0 / 2	0%	-	-	-	-	0 / 0	-	-	NS	no MCL	-	-	-	N	ND
p-Chloroaniline	106-47-8	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	0.37	no MCL	-	-	24	N	ND
Pentachlorophenol	87-86-5	-	0 / 24	0%	-	-	-	9.3 - 108	0 / 1	<10	-	0.041	1	-	-	24	N	ND
Phenol	108-95-2	-	0 / 24	0%	-	-	-	4.6 - 43	0 / 1	<5	-	580	no MCL	-	-	-	N	ND
VOCs (ug/L)																		
1,1,1,2-Tetrachloroethane	630-20-6	-	0 / 7	0%	-	-	-	0.5 - 50	0 / 0	-	-	0.57	no MCL	-	-	2	N	ND
1,1,1-Trichloroethane	71-55-6	-	4 / 69	6%	0.88 - 54	54	-	0.5 - 2500	0 / 5	<6	-	800	200	-	-	2	N	BSL
1,1,2,2-Tetrachloroethane	79-34-5	-	1 / 67	1%	0.77	0.77	-	0.5 - 2500	0 / 5	<5	-	0.076	no MCL	1	-	66	Y	-
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	-	8 / 16	50%	0.66 - 49.7	49.7	3.7	0.5 - 50	0 / 1	<5	-	1000	no MCL	-	-	-	N	BSL
1,1,2-Trichloroethane	79-00-5	-	4 / 68	6%	0.35 - 1.1	0.37	1.1	0.5 - 2500	0 / 5	<5	-	0.041	5	2 , 0	2 , 0	64	Y	-
1,1-Dichloroethane	75-34-3	-	0 / 65	0%	-	-	-	0.5 - 2500	0 / 5	<5	-	2.8	no MCL	-	-	57	N	ND
1,1-Dichloroethene	75-35-4	-	10 / 68	15%	0.65 - 79	79	72	0.5 - 2500	0 / 5	<5	-	28	7	2 , 2	1 , 1	3	Y	-
1,1-Dichloropropene	563-58-6	-	0 / 6	0%	-	-	-	0.5 - 50	0 / 0	-	-	NS	no MCL	-	-	-	N	ND
1,2,3-Trichlorobenzene	87-61-6	-	0 / 12	0%	-	-	-	0.5 - 50	0 / 1	<5	-	0.7	no MCL	-	-	7	N	ND
1,2,3-Trichloropropane	96-18-4	-	0 / 6	0%	-	-	-	0.5 - 50	0 / 0	-	-	0.00075	no MCL	-	-	6	N	ND
1,2,4-Trichlorobenzene	120-82-1	-	0 / 35	0%	-	-	-	0.5 - 50	0 / 1	<5	-	0.4	70	-	-	35	N	ND
1,2,4-Trimethylbenzene	95-63-6	-	0 / 6	0%	-	-	-	0.5 - 50	0 / 0	-	-	5.6	no MCL	-	-	1	N	ND
1,2-Dibromo-3-chloropropane	96-12-8	-	0 / 12	0%	-	-	-	1 - 100	0 / 1	<5	-	0.00033	0.2	-	-	12	N	ND
1,2-Dichlorobenzene	95-50-1	-	0 / 34	0%	-	-	-	0.5 - 50	0 / 1	<5	-	30	600	-	-	5	N	ND
1,2-Dichloroethane	107-06-2	-	0 / 68	0%	-	-	-	0.5 - 2500	0 / 5	<5	-	0.17	5	-	-	68	N	ND
1,2-Dichloroethene	540-59-0	cis-1,2-DCE	21 / 51	41%	0.52 - 1260	1260	83.9	2 - 2500	0 / 4	<5	-	3.6	70	3 , 1	1 , 1	26	Y	-
1,2-Dichloropropane	78-87-5	-	0 / 68	0%	-	-	-	0.5 - 2500	0 / 5	<5	-	0.82	5	-	-	63	N	ND
1,3,5-Trimethylbenzene	108-67-8	-	0 / 6	0%	-	-	-	0.5 - 50	0 / 0	-	-	6	no MCL	-	-	1	N	ND
1,3-Dichlorobenzene	541-73-1	-	0 / 35	0%	-	-	-	0.5 - 50	0 / 1	<5	-	NS	no MCL	-	-	-	N	ND
1,3-Dichloropropane	142-28-9	-	0 / 6	0%	-	-	-	0.5 - 50	0 / 0	-	-	37	no MCL	-	-	1	N	ND
1,3-Dichloropropene	542-75-6	-	0 / 56	0%	-	-	-	1 - 2500	0 / 4	<5	-	0.47	no MCL	-	-	56	N	ND
1,4-Dichlorobenzene	106-46-7	-	0 / 35	0%	-	-	-	0.5 - 50	0 / 1	<5	-	0.48	75	-	-	35	N	ND
2,2-Dichloropropane	594-20-7	-	0 / 6	0%	-	-	-	0.5 - 50	0 / 0	-	-	NS	no MCL	-	-	-	N	ND
2-Butanone	78-93-3	-	5 / 33	15%	4.2 - 19.4	14.8	19.4	4 - 400	0 / 1	<10	-	560	no MCL	-	-	-	N	BSL
2-Hexanone	591-78-6	-	1 / 68	1%	1.6	1.6	-	1 - 5000	0 / 5	<10	-	3.8	no MCL	-	-	62	N	BSL
4-Chlorotoluene	106-43-4	-	0 / 6	0%	-	-	-	0.5 - 50	0 / 0	-	-	25	no MCL	-	-	1	N	ND
4-Isopropyltoluene	99-87-6	-	1 / 7	14%	6	6	-	0.5 - 50	0 / 0	-	-	NS	no MCL	-	-	-	N	NS
4-Methyl-2-pentanone	108-10-1	-	1 / 68	1%	6.7	6.7	-	1 - 5000	0 / 5	<10	-	630	no MCL	-	-	2	N	BSL
Acetone	67-64-1	-	7 / 43	16%	2.1 - 47.8	21.8	47.8	4 - 5000	0 / 1	<10	-	1400	no MCL	-	-	2	N	BSL
Benzene	71-43-2	-	0 / 68	0%	-	-	-	0.5 - 2500	0 / 5	<5	-	0.46	5	-	-	68	N	ND
Bromobenzene	108-86-1	-	0 / 6	0%	-	-	-	0.5 - 50	0 / 0	-	-	6.2	no MCL	-	-	1	N	ND
Bromodichloromethane	75-27-4	-	0 / 68	0%	-	-	-	0.5 - 2500	0 / 5	<5	-	0.13	80	-	-	68	N	ND
Bromoform	75-25-2	-	0 / 68	0%	-	-	-	1 - 2500	0 / 5	<5	-	3.3	80	-	-	59	N	ND
Carbon disulfide	75-15-0	-	0 / 68	0%	-	-	-	2 - 2500	0 / 5	<5	-	81	no MCL	-	-	3	N	ND
Carbon tetrachloride	56-23-5	-	11 / 68	16%	0.34 - 6.9	6.9	-	0.5 - 2500	0 / 5	<5	-	0.46	5	9 , 1	-	57	Y	-
Chlorobenzene	108-90-7	-	0 / 68	0%	-	-	-	0.5 - 2500	0 / 5	<5	-	7.8	100	-	-	5	N	ND
Chlorobromomethane	74-97-5	-	0 / 12	0%	-	-	-	0.5 - 50	0 / 1	<5	-	8.3	no MCL	-	-	1	N	ND
Chloroethane	75-00-3	-	1 / 68	1%	2.9	2.9	-	1 - 5000	0 / 5	<10	-	2100	no MCL	-	-	1	N	BSL
Chloroform	67-66-3	-	27 / 68	40%	0.22 - 84	84	2.5	0.5 - 2500	3 / 5	0.6 - 0.8	1.36	0.22	80	25 , 1	1 , 0	41	Y	-
cis-1,2-Dichloroethene	156-59-2	-	14 / 18	78%	0.82 - 720	720	280	5	0 / 1	<5	-	3.6	70	5 , 2	2 , 1	4	Y	-
cis-1,3-Dichloropropene	10061-01-5	1,3-Dichloropropene	0 / 68	0%	-	-	-	0.5 - 2500	0 / 5	<5	-	0.47	no MCL	-	-	68	N	ND
Cyclohexane	110-82-7	-	0 / 12	0%	-	-	-	0.5 - 50	0 / 1	<5	-	1300	no MCL	-	-	-	N	ND
Dibromochloromethane	124-48-1	-	0 / 62	0%	-	-	-	0.5 - 2500	0 / 5	<5	-	0.87	80	-	-	57	N	ND
Dibromomethane	74-95-3	-	0 / 6	0%	-	-	-	0.5 - 50	0 / 0	-	-	0.83	no MCL	-	-	1	N	ND
Dichlorodifluoromethane (Freon 12)	75-71-8	-	0 / 12	0%	-	-	-	0.5 - 50	0 / 1	<5	-	20	no MCL	-	-	1	N	ND
Ethylbenzene	100-41-4	-	0 / 68	0%	-	-	-	0.5 - 2500	0 / 5	<5	-	1.5	700	-	-	59	N	ND
Ethylene dibromide	106-93-4	-	0 / 12	0%	-	-	-	0.5 - 50	0 / 1	<5	-	0.0075	0.05	-	-	12	N	ND
Isopropylbenzene (Cumene)	98-82-8	-	0 / 12	0%	-	-	-	0.5 - 50	0 / 1	<5	-	45	no MCL	-	-	1	N	ND

Table 9
Human Health COPC Screening: Groundwater
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent (a)	CAS	Surrogate (b)	Detection Frequency	% Detects	Range of Detections	Maximum Conc. MNOP Site	Maximum Conc. South of Site	Range of DLs for NDs	Background Detection Frequency (c)	Background Range (c)	Background Average Detect x 2 (d)	EPA Tapwater RSL (e)	EPA MCL (f)	# Detects >RSL , > MCL MNOP Site	# Detects >RSL , > MCL South of Site	# ND DLs > RSL	COPC Flag (Y/N)	Rationale for Excluding (g)
m,p-Xylenes	179601-23-1	m-Xylene (RSL); Xylenes, total (MCL)	0 / 12	0%	-	-	-	1 - 100	0 / 1	<5	-	19	10000	-	-	1	N	ND
Methyl acetate	79-20-9	-	0 / 12	0%	-	-	-	1 - 100	0 / 1	<5	-	2000	no MCL	-	-	-	N	ND
Methyl bromide	74-83-9	-	1 / 68	1%	2.9	2.9	-	1 - 5000	0 / 5	<10	-	0.75	no MCL	1	-	67	Y	-
Methyl chloride	74-87-3	-	0 / 68	0%	-	-	-	0.16 - 5000	0 / 5	<10	-	19	no MCL	-	-	3	N	ND
Methyl tert-butyl ether	1634-04-4	-	0 / 12	0%	-	-	-	0.5 - 50	0 / 1	<5	-	14	no MCL	-	-	1	N	ND
Methylcyclohexane	108-87-2	-	0 / 12	0%	-	-	-	0.5 - 50	0 / 1	<5	-	NS	no MCL	-	-	-	N	ND
Methylene chloride	75-09-2	-	2 / 67	3%	521 - 1200	1200	-	0.5 - 50	0 / 5	<5	-	11	5	2 , 2	-	3	N	LA
n-Butylbenzene	104-51-8	-	0 / 6	0%	-	-	-	0.5 - 50	0 / 0	-	-	100	no MCL	-	-	-	N	ND
n-Propylbenzene	103-65-1	-	0 / 6	0%	-	-	-	0.5 - 50	0 / 0	-	-	66	no MCL	-	-	-	N	ND
o-Chlorotoluene (2-chlorotoluene)	95-49-8	-	0 / 6	0%	-	-	-	0.5 - 50	0 / 0	-	-	24	no MCL	-	-	1	N	ND
o-Xylene	95-47-6	Xylenes, total (MCL)	0 / 12	0%	-	-	-	0.5 - 50	0 / 1	<5	-	19	10000	-	-	1	N	ND
sec-Butylbenzene	135-98-8	-	0 / 6	0%	-	-	-	0.5 - 50	0 / 0	-	-	200	no MCL	-	-	-	N	ND
Styrene	100-42-5	-	0 / 68	0%	-	-	-	0.5 - 2500	0 / 5	<5	-	120	100	-	-	2	N	ND
tert-Butylbenzene	98-06-6	-	0 / 6	0%	-	-	-	0.5 - 50	0 / 0	-	-	69	no MCL	-	-	-	N	ND
Tetrachloroethene	127-18-4	-	17 / 66	26%	0.15 - 52	52	3.2	0.5 - 2500	4 / 5	0.56 - 2.4	2.77	4.1	5	2 , 2	-	44	Y	-
Toluene	108-88-3	-	1 / 68	1%	0.12	0.12	-	0.5 - 2500	0 / 5	<5	-	110	1000	-	-	2	N	BSL
trans-1,2-Dichloroethene	156-60-5	-	2 / 15	13%	0.53 - 5.1	0.53	5.1	0.5 - 50	0 / 1	<5	-	36	100	-	-	1	N	BSL
trans-1,3-Dichloropropene	10061-02-6	1,3-Dichloropropene	0 / 12	0%	-	-	-	0.5 - 50	0 / 1	<5	-	0.47	no MCL	-	-	12	N	ND
Trichloroethene	79-01-6	-	58 / 66	88%	0.65 - 391000	59900	391000	5	1 / 5	1.7	-	0.28	5	50 , 41	8 , 8	8	Y	-
Trichlorofluoromethane (Freon 11)	75-69-4	-	0 / 12	0%	-	-	-	0.5 - 50	0 / 1	<5	-	520	no MCL	-	-	-	N	ND
Vinyl chloride	75-01-4	-	1 / 66	2%	7	7	-	0.5 - 5000	0 / 5	<10	-	0.019	2	1 , 1	-	65	Y	-
Xylene, Total	1330-20-7	-	1 / 56	2%	1	-	1	3 - 2500	0 / 4	<5	-	19	10000	-	-	4	N	BSL

Notes:
- Not applicable for this constituent
ND- Nondetect
DL - Detection Limit
COPC - Constituent of Potential Concern
(a) Constituents analyzed in groundwater samples collected from the shallow water table zone beneath the MNOP Site and the area south of the Site during investigations at the MNOP (i.e., during 1998, 2000, 2009, and 2015). Individual results for the samples included in this evaluation are provided in an appendix to this report. The 1996 groundwater data and data collected in 2003-2004 associated with the SAIC remediation pilot study are not included in the screening assessment.
(b) A surrogate was used to identify a proxy RSL for a constituent without an RSL in the following circumstances: (1) an RSL was available for an isomer/congener or for the total of a group of isomers/congeners to which the reported constituent belongs (e.g., the RSL for 1,3-dichloropropene was used as a proxy value for the cis- and trans- isomers), and (2) a surrogate chemical that has been widely accepted and documented in the literature as an appropriate surrogate was available (e.g., pyrene is used for acenaphthylene, benzo(g,h,i)perylene, and phenanthrene).
(c) Background sample locations for groundwater include: MW-28, MW-29, MW-30 / AIP-148-MW, and PZ-002 (collected during the 1998 and 2009 investigations).
(d) A concentration of 2 times the average background level is provided for constituents with two or more detected concentrations in the background dataset. Consistent with EPA Region 4 Human Health Risk Assessment Supplemental Guidance (March 2018 Update), a constituent may be eliminated as a COPC if it is less than 2 times the average background level.
(e) Tapwater RSL - EPA Regional Screening Level for drinking water, based on a target risk of 1E-06 and a hazard quotient of 0.1 (November 2018 update)
(f) EPA MCL - Maximum Contaminant Level for drinking water, obtained from EPA website February 2019.
(g) Rationale for Excluding:
BSL - Below Screening Level
BKG - Below site-specific background
LA - Suspected Laboratory Artifact due to common laboratory contaminant
ND - Constituent was not detected in this medium
NHHC - Not a Human Health Concern
NS - No Standard Available

Table 10A
Preliminary Ecological COPC Screening: Surface Soil (Site-Wide)
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent	Detection Frequency	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	EPA Region 4 Ecological Screening Value (ESV)	Max Hazard Quotient (HQ)	Frequency of Detections Exceeding ESV	PCOPC (Y/N)	Basis
Inorganics (mg/kg)									
Aluminum	43 / 43	2500 - 11000	AIP-137	-	Narrative	NA	0 / 43	N	C
Antimony	4 / 17	0.5 - 8.7	AIP-132	6.3-6.8	0.27	32.22	4 / 17	Y	A
Arsenic	43 / 43	0.79 - 9.6	AIP-132	-	18	0.53	0 / 43	N	B
Barium	43 / 43	13 - 140	AIP-110	-	330	0.42	0 / 43	N	B
Beryllium	25 / 55	0.064 - 0.6	AIP-134	0.52-0.64	2.5	0.24	0 / 55	N	B
Cadmium	19 / 55	0.029 - 15	AIP-136	0.2-0.64	0.36	41.67	17 / 55	Y	A
Calcium	43 / 43	130 - 14000	AIP-132	-	NA	NA	0 / 43	N	C
Chromium	55 / 55	3.5 - 420	AIP-132	-	23	18.26	7 / 55	Y	A
Cobalt	3 / 43	1 - 6.7	AIP-132	5.2-5.8	13	0.52	0 / 43	N	B
Copper	54 / 55	1.6 - 250	AIP-132	4.06-4.06	28	8.93	3 / 55	Y	A
Cyanide CN-	0 / 40	-	-	2.6-3.2	0.1	NA	0 / 40	N	E
Iron	43 / 43	2500 - 170000	AIP-132	-	Narrative	NA	0 / 43	N	C
Lead	55 / 55	3.5 - 1000	AIP-136	-	11	90.91	27 / 55	Y	A
Magnesium	43 / 43	29 - 4800	AIP-118	-	NA	NA	0 / 43	N	C
Manganese	43 / 43	24 - 1800	AIP-132	-	220	8.18	9 / 43	Y	A
Mercury	13 / 49	0.022 - 1.3	AIP-134	0.05-0.13	0.013	100.00	13 / 49	Y	A
Nickel	50 / 55	0.52 - 440	AIP-132	2-3.6	38	11.58	2 / 55	Y	A
Potassium	43 / 43	32 - 5800	AIP-118	-	NA	NA	0 / 43	N	C
Selenium	11 / 38	0.26 - 1.41	ISL-007	0.081-4.4	0.52	2.71	4 / 38	Y	A
Silver	4 / 55	0.2 - 6.9	AIP-134	0.21-1.2	4.2	1.64	1 / 55	Y	A
Sodium	43 / 43	2.9 - 82	AIP-132	-	NA	NA	0 / 43	N	C
Thallium	3 / 55	0.32 - 0.46	ISL-008	0.084-3.2	0.05	9.20	3 / 55	Y	A
Vanadium	43 / 43	7.1 - 57	AIP-103	-	7.8	7.31	40 / 43	Y	A
Zinc	45 / 55	6.7 - 510	AIP-136	6.5-10.8	46	11.09	8 / 55	Y	A
PCBs (mg/kg)									
Aroclor 1016	0 / 43	-	-	0.033-0.43	0.041	NA	0 / 43	N	E
Aroclor 1221	0 / 43	-	-	0.033-0.43	0.041	NA	0 / 43	N	E
Aroclor 1232	0 / 43	-	-	0.033-0.43	0.041	NA	0 / 43	N	E
Aroclor 1242	0 / 43	-	-	0.033-0.43	0.041	NA	0 / 43	N	E
Aroclor 1248	1 / 43	0.11 - 0.11	AIP-131	0.033-0.43	0.041	2.68	1 / 43	Y	A
Aroclor 1254	1 / 43	0.24 - 0.24	AIP-131	0.033-0.43	0.041	5.85	1 / 43	Y	A
Aroclor 1260	6 / 43	0.0047 - 11	AIP-111	0.033-0.046	0.041	268.29	5 / 43	Y	A
Aroclor 1262	0 / 43	-	-	0.033-0.43	0.041	NA	0 / 43	N	E
Aroclor 1268	0 / 43	-	-	0.033-0.43	0.041	NA	0 / 43	N	E

Table 10A
Preliminary Ecological COPC Screening: Surface Soil (Site-Wide)
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent	Detection Frequency	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	EPA Region 4 Ecological Screening Value (ESV)	Max Hazard Quotient (HQ)	Frequency of Detections Exceeding ESV	PCOPC (Y/N)	Basis
Energetics (mg/kg)									
2,4-Dinitrotoluene	0 / 68	-	-	0.024-14.2	6	NA	0 / 68	N	E
2,6-Dinitrotoluene	0 / 56	-	-	0.18-14.2	4	NA	0 / 56	N	E
Nitrobenzene	0 / 68	-	-	0.057-14.2	2.2	NA	0 / 68	N	E
PAHs (mg/kg)									
2-Methylnaphthalene	1 / 56	0.0431 - 0.0431	ISL-73	0.18-14.2	See Total	NA	0 / 56	N	F
Acenaphthene	0 / 56	-	-	0.18-14.2	See Total	NA	0 / 56	N	F
Acenaphthylene	2 / 56	0.0916 - 0.29	AIP-129	0.18-14.2	See Total	NA	0 / 56	N	F
Anthracene	5 / 56	0.024 - 0.28	AIP-129	0.18-14.2	See Total	NA	0 / 56	N	F
Benzo(a)anthracene	13 / 56	0.029 - 0.51	AIP-129	0.18-14.2	See Total	NA	0 / 56	N	F
Benzo(a)pyrene	13 / 56	0.035 - 0.81	AIP-129	0.18-14.2	See Total	NA	0 / 56	N	F
Benzo(b)fluoranthene	15 / 68	0.035 - 1.7	AIP-129	0.082-14.2	See Total	NA	0 / 68	N	F
Benzo(g,h,i)perylene	7 / 56	0.036 - 0.43	ISL-73	0.18-14.2	See Total	NA	0 / 56	N	F
Benzo(k)fluoranthene	9 / 56	0.0172 - 1.43	ISL-73	0.18-14.2	See Total	NA	0 / 56	N	F
Chrysene	16 / 56	0.028 - 0.77	AIP-129	0.18-14.2	See Total	NA	0 / 56	N	F
Dibenzo(a,h)anthracene	4 / 56	0.03 - 0.31	AIP-129	0.18-14.2	See Total	NA	0 / 56	N	F
Fluoranthene	21 / 68	0.021 - 0.894	ISL-74	0.15-14.2	See Total	NA	0 / 68	N	F
Fluorene	1 / 56	0.0466 - 0.0466	ISL-114	0.18-14.2	See Total	NA	0 / 56	N	F
Indeno(1,2,3-cd)pyrene	12 / 56	0.03 - 0.66	AIP-129	0.18-14.2	See Total	NA	0 / 56	N	F
Naphthalene	1 / 67	0.041 - 0.041	AIP-131	0.0011-14.2	See Total	NA	0 / 67	N	F
Phenanthrene	11 / 68	0.02 - 0.672	ISL-114	0.091-14.2	See Total	NA	0 / 68	N	F
Pyrene	13 / 68	0.019 - 1.06	ISL-74	0.13-14.2	See Total	NA	0 / 68	N	F
Total LMW-PAH	11 / 68	0.59 - 1.6466	ISL-114	0.0455-49.7	29	0.06	0 / 68	N	B
Total HMW-PAH	22 / 68	0.421 - 39.243	ISL-114	0.181-71	1.1	35.68	9 / 68	Y	A
Pesticides (mg/kg)									
4,4'-DDD	3 / 43	0.0012 - 0.025	AIP-132	0.0033-0.0073	0.021	1.19	1 / 43	Y	A
4,4'-DDE	29 / 43	0.0012 - 0.19	AIP-135	0.0033-0.0037	0.021	9.05	17 / 43	Y	A
4,4'-DDT	21 / 43	0.0015 - 0.18	AIP-133	0.0033-0.043	0.021	8.57	5 / 43	Y	A
Aldrin	0 / 43	-	-	0.0017-0.022	0.03	NA	0 / 43	N	E
alpha-BHC/HCH	0 / 43	-	-	0.0017-0.022	0.0003	NA	0 / 43	N	E
alpha-Chlordane	4 / 43	0.00052 - 0.0059	AIP-137	0.0017-0.022	0.0029	2.03	2 / 43	Y	A
beta-BHC/HCH	0 / 43	-	-	0.0017-0.022	0.0003	NA	0 / 43	N	E
Chlorinated camphene/ Toxaphene	1 / 43	0.15 - 0.15	AIP-139	0.17-2.2	0.00015	1000.00	1 / 43	Y	A
cis-Heptachlor epoxide	8 / 43	0.00061 - 0.0016	AIP-136	0.0017-0.022	0.00015	10.67	8 / 43	Y	A
delta-BHC/HCH	0 / 43	-	-	0.0017-0.022	0.0003	NA	0 / 43	N	E

Table 10A
Preliminary Ecological COPC Screening: Surface Soil (Site-Wide)
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent	Detection Frequency	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	EPA Region 4 Ecological Screening Value (ESV)	Max Hazard Quotient (HQ)	Frequency of Detections Exceeding ESV	PCOPC (Y/N)	Basis
Dieldrin	10 / 43	0.001 - 0.04	AIP-132	0.0033-0.019	0.0029	13.79	3 / 43	Y	A
Endosulfan I (Alpha)	1 / 43	0.014 - 0.014	AIP-132	0.0017-0.022	0.0009	15.56	1 / 43	Y	A
Endosulfan II (Beta)	2 / 43	0.00073 - 0.0013	AIP-102	0.0033-0.043	0.0009	1.44	1 / 43	Y	A
Endosulfan sulfate	0 / 43	-	-	0.0033-0.043	0.0065	NA	0 / 43	N	E
Endrin	5 / 43	0.00086 - 0.08	AIP-111	0.0033-0.043	0.0019	42.11	3 / 43	Y	A
Endrin aldehyde	1 / 43	0.0036 - 0.0036	AIP-129	0.0033-0.043	NA	NA	0 / 43	N	C
Endrin ketone	2 / 43	0.00089 - 0.0054	AIP-129	0.0033-0.043	NA	NA	0 / 43	N	C
gamma-BHC/HCH (Lindane)	0 / 43	-	-	0.0017-0.022	0.0031	NA	0 / 43	N	E
gamma-Chlordane	8 / 43	0.00049 - 0.0041	AIP-137	0.0017-0.022	0.02	0.21	0 / 43	N	B
Heptachlor	0 / 43	-	-	0.0017-0.022	0.0016	NA	0 / 43	N	E
Methoxychlor	3 / 43	0.011 - 0.046	AIP-111	0.017-0.22	0.0021	21.90	3 / 43	Y	A
SVOCs (mg/kg)									
1,2,4,5-Tetrachlorobenzene	0 / 43	-	-	0.18-4.4	0.18	NA	0 / 43	N	E
1,2-Dichlorobenzene	0 / 13	-	-	0.353-14.2	0.09	NA	0 / 13	N	E
1,3-Dichlorobenzene	0 / 13	-	-	0.353-14.2	0.08	NA	0 / 13	N	E
1,4-Dichlorobenzene	0 / 13	-	-	0.353-14.2	0.88	NA	0 / 13	N	E
2,2-Oxybis(1-chloropropane)	0 / 11	-	-	0.353-14.2	NA	NA	0 / 11	N	D
2,2-Oxybis(2-chloropropane)	0 / 45	-	-	0.18-4.4	NA	NA	0 / 45	N	D
2,3,4,6-Tetrachlorophenol	0 / 43	-	-	0.18-4.4	0.04	NA	0 / 43	N	E
2,4,5-Trichlorophenol	0 / 56	-	-	0.18-18.4	4	NA	0 / 56	N	E
2,4,6-Trichlorophenol	0 / 56	-	-	0.18-14.2	NA	NA	0 / 56	N	D
2,4-Dichlorophenol	0 / 56	-	-	0.18-14.2	0.05	NA	0 / 56	N	E
2,4-Dimethylphenol	0 / 56	-	-	0.18-14.2	0.04	NA	0 / 56	N	E
2,4-Dinitrophenol	0 / 56	-	-	0.34-35.4	0.061	NA	0 / 56	N	E
2-Chloronaphthalene	0 / 56	-	-	0.18-14.2	NA	NA	0 / 56	N	D
2-Chlorophenol	0 / 56	-	-	0.18-14.2	0.06	NA	0 / 56	N	E
2-methyl-4,6-dinitrophenol	0 / 13	-	-	0.884-35.4	NA	NA	0 / 13	N	D
2-Nitroaniline	0 / 56	-	-	0.34-35.4	0.02	NA	0 / 56	N	E
2-Nitrophenol	0 / 56	-	-	0.18-14.2	5.12	NA	0 / 56	N	E
3,3'-Dichlorobenzidine	1 / 50	0.0249 - 0.0249	ISL-73	0.18-14.2	0.03	0.83	0 / 50	N	B
3-Nitroaniline	0 / 56	-	-	0.34-35.4	0.02	NA	0 / 56	N	E
4-Bromophenyl phenyl ether	0 / 56	-	-	0.18-14.2	NA	NA	0 / 56	N	D
4-Chloro-3-methylphenol	0 / 56	-	-	0.18-14.2	NA	NA	0 / 56	N	D
4-Chlorophenyl phenyl ether	0 / 56	-	-	0.18-14.2	NA	NA	0 / 56	N	D
4-Nitroaniline	0 / 56	-	-	0.34-35.4	0.02	NA	0 / 56	N	E

Table 10A
Preliminary Ecological COPC Screening: Surface Soil (Site-Wide)
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent	Detection Frequency	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	EPA Region 4 Ecological Screening Value (ESV)	Max Hazard Quotient (HQ)	Frequency of Detections Exceeding ESV	PCOPC (Y/N)	Basis
4-Nitrophenol	0 / 56	-	-	0.34-35.4	5.12	NA	0 / 56	N	E
Acetophenone	4 / 43	0.047 - 0.12	AIP-129	0.18-4.4	NA	NA	0 / 43	N	C
Atrazine	0 / 43	-	-	0.18-4.4	0.00005	NA	0 / 43	N	E
Benzaldehyde	1 / 43	0.063 - 0.063	AIP-134	0.18-4.4	NA	NA	0 / 43	N	C
Benzyl butyl phthalate	0 / 56	-	-	0.18-14.2	0.59	NA	0 / 56	N	E
Biphenyl	0 / 43	-	-	0.18-4.4	0.2	NA	0 / 43	N	E
Bis(2-chloroethoxy)methane	0 / 56	-	-	0.18-14.2	NA	NA	0 / 56	N	D
Bis(2-ethylhexyl)phthalate	3 / 68	0.203 - 1.2	AIP-136	0.18-14.2	0.02	60.00	3 / 68	Y	A
Caprolactam	0 / 39	-	-	0.18-0.24	NA	NA	0 / 39	N	D
Carbazole	4 / 56	0.025 - 0.12	ISL-114	0.18-14.2	0.07	1.71	1 / 56	Y	A
Cresol	0 / 43	-	-	0.18-4.4	0.08	NA	0 / 43	N	E
Dibenzofuran	1 / 56	0.0293 - 0.0293	ISL-114	0.18-14.2	0.15	0.20	0 / 56	N	B
Dibutyl phthalate	9 / 68	0.0307 - 0.29	ISL-031	0.16-14.2	0.011	26.36	9 / 68	Y	A
Dichloroethyl ether	0 / 56	-	-	0.18-14.2	NA	NA	0 / 56	N	D
Diethyl phthalate	0 / 56	-	-	0.18-14.2	0.25	NA	0 / 56	N	E
Dimethyl phthalate	0 / 56	-	-	0.18-14.2	0.35	NA	0 / 56	N	E
Dinitro-o-cresol	0 / 43	-	-	0.34-8.6	NA	NA	0 / 43	N	D
Di-n-octyl phthalate	1 / 56	0.2 - 0.2	AIP-107	0.18-14.2	0.91	0.22	0 / 56	N	B
Diphenylamine	0 / 43	-	-	0.18-4.4	1.01	NA	0 / 43	N	E
Hexachlorobenzene	0 / 56	-	-	0.18-14.2	0.079	NA	0 / 56	N	E
Hexachlorobutadiene	0 / 67	-	-	0.0012-14.2	0.009	NA	0 / 67	N	E
Hexachlorocyclopentadiene	0 / 50	-	-	0.18-14.2	0.001	NA	0 / 50	N	E
Hexachloroethane	0 / 56	-	-	0.18-14.2	0.024	NA	0 / 56	N	E
Isophorone	0 / 56	-	-	0.18-14.2	NA	NA	0 / 56	N	D
m,p-cresol	0 / 13	-	-	0.353-14.2	0.08	NA	0 / 13	N	E
n-Nitrosodi-n-propylamine	0 / 56	-	-	0.18-14.2	NA	NA	0 / 56	N	D
n-Nitrosodiphenylamine	0 / 13	-	-	0.353-14.2	0.545	NA	0 / 13	N	E
o-Cresol	0 / 56	-	-	0.18-14.2	0.1	NA	0 / 56	N	E
p-Chloroaniline	0 / 50	-	-	0.18-14.2	1	NA	0 / 50	N	E
Pentachlorophenol	0 / 56	-	-	0.34-18.4	2.1	NA	0 / 56	N	E
Phenol	0 / 56	-	-	0.18-14.2	0.79	NA	0 / 56	N	E
VOCs (mg/kg)									
1,1,1-Trichloroethane	0 / 114	-	-	0.00087-0.0685	0.04	NA	0 / 114	N	E
1,1,2,2-Tetrachloroethane	0 / 113	-	-	0.00087-0.0685	0.127	NA	0 / 113	N	E
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	16 / 59	0.008 - 0.102	ISL-64	0.0036-0.0082	NA	NA	0 / 59	N	C

Table 10A
Preliminary Ecological COPC Screening: Surface Soil (Site-Wide)
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent	Detection Frequency	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	EPA Region 4 Ecological Screening Value (ESV)	Max Hazard Quotient (HQ)	Frequency of Detections Exceeding ESV	PCOPC (Y/N)	Basis
1,1,2-Trichloroethane	0 / 114	-	-	0.00087-0.0685	0.32	NA	0 / 114	N	E
1,1-Dichloroethane	0 / 114	-	-	0.00087-0.0685	0.14	NA	0 / 114	N	E
1,1-Dichloroethene	0 / 114	-	-	0.00087-0.0685	0.04	NA	0 / 114	N	E
1,2,3-Trichlorobenzene	0 / 43	-	-	0.0036-0.0082	20	NA	0 / 43	N	E
1,2,4-Trichlorobenzene	0 / 56	-	-	0.0036-14.2	0.27	NA	0 / 56	N	E
1,2-Dibromo-3-chloropropane	0 / 43	-	-	0.0036-0.0082	NA	NA	0 / 43	N	D
1,2-Dichlorobenzene	0 / 43	-	-	0.0036-0.0082	0.09	NA	0 / 43	N	E
1,2-Dichloroethane	0 / 114	-	-	0.00087-0.0685	0.4	NA	0 / 114	N	E
1,2-Dichloroethene	1 / 71	0.853 - 0.853	ISL-117	0.0017-0.0074	0.04	21.33	1 / 71	Y	A
1,2-Dichloropropane	0 / 114	-	-	0.00087-0.0685	0.28	NA	0 / 114	N	E
1,3-Dichlorobenzene	0 / 43	-	-	0.0036-0.0082	0.08	NA	0 / 43	N	E
1,4-Dichlorobenzene	0 / 43	-	-	0.0036-0.0082	0.88	NA	0 / 43	N	E
2-Butanone	9 / 97	0.0022 - 0.041	AIP-132	0.0043-0.137	1	0.04	0 / 97	N	B
2-Hexanone	0 / 114	-	-	0.0043-0.137	0.36	NA	0 / 114	N	E
4-Methyl-2-pentanone	0 / 114	-	-	0.0043-0.137	NA	NA	0 / 114	N	D
Acetone	27 / 101	0.0022 - 0.18	AIP-136	0.0072-0.137	1.2	0.15	0 / 101	N	B
Benzene	1 / 114	0.00041 - 0.00041	ISL-205	0.00087-0.0685	0.12	0.0034	0 / 114	N	B
Bromodichloromethane	0 / 114	-	-	0.00087-0.0685	NA	NA	0 / 114	N	D
Bromoform	0 / 114	-	-	0.00087-0.0685	0.07	NA	0 / 114	N	E
Carbon disulfide	3 / 114	0.0013 - 0.132	ISL-117	0.0036-0.0118	0.005	26.40	1 / 114	Y	A
Carbon tetrachloride	0 / 114	-	-	0.00087-0.0685	0.05	NA	0 / 114	N	E
Chlorobenzene	0 / 114	-	-	0.00087-0.0685	2.4	NA	0 / 114	N	E
Chlorobromomethane	0 / 43	-	-	0.0036-0.0082	NA	NA	0 / 43	N	D
Chloroethane	0 / 113	-	-	0.00087-0.137	NA	NA	0 / 113	N	D
Chloroform	0 / 114	-	-	0.00087-0.0685	0.05	NA	0 / 114	N	E
cis-1,2-Dichloroethene	3 / 54	0.00054 - 0.054	ISL-008	0.0019-0.0082	0.04	1.35	1 / 54	Y	A
cis-1,3-Dichloropropene	0 / 114	-	-	0.00087-5.4	0.001	NA	0 / 114	N	E
Cyclohexane	0 / 43	-	-	0.0036-0.0082	NA	NA	0 / 43	N	D
Dibromochloromethane	0 / 114	-	-	0.00087-0.0685	NA	NA	0 / 114	N	D
Dichlorodifluoromethane (Freon 12)	0 / 43	-	-	0.0036-0.0082	NA	NA	0 / 43	N	D
Ethylbenzene	1 / 125	0.00062 - 0.00062	ISL-93	0.0008-0.0685	0.27	0.0023	0 / 125	N	B
Ethylene dibromide	0 / 43	-	-	0.0036-0.0082	NA	NA	0 / 43	N	D
Isopropylbenzene (Cumene)	0 / 43	-	-	0.0036-0.0082	0.04	NA	0 / 43	N	E
m,p-Xylenes	0 / 43	-	-	0.0036-0.0082	0.1	NA	0 / 43	N	E

Table 10A
Preliminary Ecological COPC Screening: Surface Soil (Site-Wide)
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent	Detection Frequency	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	EPA Region 4 Ecological Screening Value (ESV)	Max Hazard Quotient (HQ)	Frequency of Detections Exceeding ESV	PCOPC (Y/N)	Basis
Methyl acetate	5 / 43	0.0015 - 0.005	AIP-109	0.0036-0.0082	NA	NA	0 / 43	N	C
Methyl bromide	0 / 113	-	-	0.00087-0.137	0.002	NA	0 / 113	N	E
Methyl chloride	0 / 112	-	-	0.00087-0.137	NA	NA	0 / 112	N	D
Methyl tert-butyl ether	0 / 43	-	-	0.0036-0.0082	NA	NA	0 / 43	N	D
Methylcyclohexane	0 / 43	-	-	0.0036-0.0082	NA	NA	0 / 43	N	D
Methylene chloride	6 / 113	0.0057 - 0.0425	ISL-64	0.0026-0.54	0.21	0.20	0 / 113	N	B
o-Xylene	0 / 54	-	-	0.0015-0.0082	0.1	NA	0 / 54	N	E
Styrene	1 / 114	0.00021 - 0.00021	ISL-92	0.00087-0.0685	1.2	0.0002	0 / 114	N	B
Tetrachloroethene	2 / 125	0.00071 - 0.00093	ISL-97	0.00052-0.0685	0.06	0.02	0 / 125	N	B
Toluene	9 / 125	0.00075 - 0.003	ISL-98	0.00087-0.0685	0.15	0.02	0 / 125	N	B
trans-1,2-Dichloroethene	1 / 54	0.011 - 0.011	ISL-008	0.00058-0.0082	0.04	0.28	0 / 54	N	B
trans-1,3-Dichloropropene	0 / 114	-	-	0.00087-0.0685	0.001	NA	0 / 114	N	E
Trichloroethene	8 / 125	0.0035 - 1.7	ISL-117	0.00045-0.0082	0.06	28.33	3 / 125	Y	A
Trichlorofluoromethane (Freon 11)	0 / 43	-	-	0.0036-0.0082	16.4	NA	0 / 43	N	E
Vinyl chloride	0 / 113	-	-	0.00087-0.137	0.03	NA	0 / 113	N	E
Xylene, Total	8 / 71	0.00077 - 0.0035	ISL-88	0.0026-0.0685	0.1	0.04	0 / 71	N	B

Notes:
Surface soil samples included in the screening evaluation include those collected on the MNOP Site in the following intervals: 0-0.5', 0-1', and 0-2', with the exception of the following two samples for which coordinates are not known: ISL-113 and ISL-114.
Individual results for the samples included in this evaluation are provided in an appendix to this report.
EPA Region 4 ESV - EPA Region 4 Ecological Screening Value taken from Table 3 of the EPA Region 4 Ecological Risk Assessment Supplemental Guidance (March 2018 Update).
Background sample locations collected in surface soil include: AIP-100-SF (0-0.5') and MNOP-01-SF (0-0.5')
ND- Nondetect
DL - Detection Limit
PCOPC - Preliminary Constituent of Potential Concern
Basis:
A = Maximum detected concentration exceeds the Region 4 ESV.
B = Maximum detected concentration is less than the Region 4 ESV.
C = Chemical was detected and no Region 4 ESV was available.
D = Chemical was not detected and no Region 4 ESV was available.
E = Chemical was not detected and a Region 4 ESV is available.
F = Chemical is a member of a class of compounds and the total concentration is screened against the Region 4 ESV for the total compound in that class.

Table 10B
Refined Ecological COPC Screening: Surface Soil (Site-Wide)
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent	Detection Frequency	Maximum Detected Concentration	Background Screening Value (BSV)	Frequency of Detections Exceeding BSV	EPA Region 4 Mammal Screening Value	EPA Region 4 Avian Screening Value	EPA Region 4 Plant Screening Value	EPA Region 4 Invertebrate Screening Value	EPA Region 4 Refinement Screening Value (RSV)	RSV Source	Refinement Hazard Quotient (HQ)	Frequency of Detections Exceeding RSV	Refined PCOPC (Y/N)	Basis
Inorganics (mg/kg)														
Antimony	4 / 17	8.7	1.64	1 / 17	0.27	NA	5	78	0.27	Mammal	32.22	4 / 17	Y	A
Cadmium	19 / 55	15	-	-	0.36	0.77	32	140	0.36	Mammal	41.67	17 / 55	Y	A
Chromium	55 / 55	420	340	1 / 55	63	23	NA	NA	23	Avian	18.26	7 / 55	Y	A
Copper	54 / 55	250	68	2 / 55	49	28	70	80	28	Avian	8.93	3 / 55	Y	A
Lead	55 / 55	1000	114	1 / 55	56	11	120	1700	11	Avian	90.91	27 / 55	Y	A
Manganese	43 / 43	1800	300	7 / 43	4000	4300	220	450	4000	Mammal	0.45	0 / 43	N	B
Mercury	13 / 49	1.3	0.146	4 / 49	1.7	0.013	0.3	0.05	0.013	Avian	100.00	13 / 49	Y	A
Nickel	50 / 55	440	7.2	4 / 55	130	210	38	280	130	Mammal	3.38	1 / 55	Y	A
Selenium	11 / 38	1.41	-	-	0.63	1.2	0.52	4.1	0.63	Mammal	2.24	4 / 38	Y	A
Silver	4 / 55	6.9	-	-	14	4.2	560	NA	4.2	Avian	1.64	1 / 55	Y	A
Thallium	3 / 55	0.46	-	-	0.42	4.5	0.05	NA	0.42	Mammal	1.10	1 / 55	Y	A
Vanadium	43 / 43	57	68	0 / 43	280	7.8	60	NA	7.8	Avian	7.31	40 / 43	N	B
Zinc	45 / 55	510	480	1 / 55	79	46	160	120	46	Avian	11.09	8 / 55	Y	A
PCBs (mg/kg)			-											
Aroclor 1248	1 / 43	0.11	-	-	0.371	0.041	40	0.33	0.041	Avian	2.68	1 / 43	Y	A
Aroclor 1254	1 / 43	0.24	0.042	1 / 43	0.371	0.041	40	0.33	0.041	Avian	5.85	1 / 43	Y	A
Aroclor 1260	6 / 43	11	0.136	3 / 43	0.371	0.041	40	0.33	0.041	Avian	268.29	5 / 43	Y	A
PAHs (mg/kg)			-											
Total HMW-PAH	22 / 68	39.24	12.28	1 / 68	1.1	NA	NA	18	1.1	Mammal	35.67	9 / 68	Y	A
Pesticides (mg/kg)			-											
4,4'-DDD	3 / 43	0.025	-	-	0.021	0.093	NA	NA	0.021	Mammal	1.19	1 / 43	Y	A
4,4'-DDE	29 / 43	0.19	0.0114	19 / 43	0.021	0.093	NA	NA	0.021	Mammal	9.05	17 / 43	Y	A
4,4'-DDT	21 / 43	0.18	0.019	6 / 43	0.021	0.093	NA	NA	0.021	Mammal	8.57	5 / 43	Y	A
alpha-Chlordane	4 / 43	0.0059	-	-	0.27	0.27	2.2	0.0029	0.27	Mammal	0.02	0 / 43	N	B
Chlorinated camphene/ Toxaphene	1 / 43	0.15	-	-	5.9	4.1	NA	0.00015	4.1	Avian	0.04	0 / 43	N	B
cis-Heptachlor epoxide	8 / 43	0.0016	0.00102	3 / 43	0.152	NA	NA	0.00015	0.152	Mammal	0.01	0 / 43	N	B
Dieldrin	10 / 43	0.04	0.0048	2 / 43	0.0049	0.022	10	0.0029	0.0049	Mammal	8.16	2 / 43	Y	A
Endosulfan I (Alpha)	1 / 43	0.014	-	-	0.119	NA	NA	0.0009	0.119	Mammal	0.12	0 / 43	N	B
Endosulfan II (Beta)	2 / 43	0.0013	-	-	0.64	15	NA	0.0009	0.64	Mammal	0.002	0 / 43	N	B
Endrin	5 / 43	0.08	-	-	0.023	0.0014	0.0034	0.0019	0.0014	Avian	57.14	3 / 43	Y	A
Methoxychlor	3 / 43	0.046	-	-	5.1	18	NA	0.0021	5.1	Mammal	0.01	0 / 43	N	B
SVOCs (mg/kg)			-											
Bis(2-ethylhexyl)phthalate	3 / 68	1.2	-	-	0.6	0.02	NA	8.4	0.02	Avian	60.00	3 / 68	Y	A
Carbazole	4 / 56	0.12	0.18	0 / 56	79	NA	NA	0.07	79	Mammal	0.002	0 / 56	N	B
Dibutyl phthalate	9 / 68	0.29	-	-	180	0.011	160	0.22	0.011	Avian	26.36	9 / 68	Y	A
VOCs (mg/kg)			-											
1,2-Dichloroethene	1 / 71	0.853	-	-	24	NA	NA	0.04	24	Mammal	0.04	0 / 71	N	B
Carbon disulfide	3 / 114	0.132	-	-	0.81	NA	NA	0.005	0.81	Mammal	0.16	0 / 114	N	B
cis-1,2-Dichloroethene	3 / 54	0.054	-	-	NA	NA	NA	0.04	0.04	Invertebrate	1.35	3 / 54	Y	A
Trichloroethene	8 / 125	1.7	-	-	42	NA	NA	0.06	42	Mammal	0.04	0 / 125	N	B

Notes:
Surface soil samples included in the screening evaluation include those collected on the MNOP Site in the following intervals: 0-0.5', 0-1', and 0-2', with the exception of the following two samples for which coordinates are not known: ISL-113 and ISL-114.
Individual results for the samples included in this evaluation are provided in an appendix to this report.
EPA Region 4 ESV - EPA Region 4 Ecological Screening Value taken from Table 3 of the EPA Region 4 Ecological Risk Assessment Supplemental Guidance (March 2018 Update).
Background sample locations collected in surface soil include: AIP-100-SF (0-0.5') and MNOP-01-SF (0-0.5')
ND- Nondetect
DL - Detection Limit
PCOPC - Preliminary Constituent of Potential Concern
Basis:
A = Maximum detected concentration exceeds the Region 4 ESV and background (if available).
B = Maximum detected concentration is less than the Region 4 ESV or background (if available).

Table 11A
Preliminary Ecological COPC Screening: Surface Soil (Forested Area)
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent	Detection Frequency	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	EPA Region 4 Ecological Screening Value (ESV)	Max Hazard Quotient (HQ)	Frequency of Detections Exceeding ESV	PCOPC (Y/N)	Basis
Inorganics (mg/kg)									
Aluminum	3 / 3	5900 - 11000	AIP-137 (0-0.5')	-	Narrative	NA	0 / 3	N	C
Antimony	2 / 2	0.5 - 0.88	AIP-136 (0-0.5')	-	0.27	3.26	2 / 2	Y	A
Arsenic	3 / 3	2.2 - 3.1	AIP-136 (0-0.5')	-	18	0.17	0 / 3	N	B
Barium	3 / 3	75 - 95	AIP-137 (0-0.5')	-	330	0.29	0 / 3	N	B
Beryllium	2 / 3	0.25 - 0.6	AIP-134 (0-0.5')	0.58-0.58	2.5	0.24	0 / 3	N	B
Cadmium	2 / 3	3.8 - 15	AIP-136 (0-0.5')	0.62-0.62	0.36	41.67	2 / 3	Y	A
Calcium	3 / 3	1200 - 11000	AIP-134 (0-0.5')	-	NA	NA	0 / 3	N	C
Chromium	3 / 3	14 - 51	AIP-137 (0-0.5')	-	23	2.22	1 / 3	Y	A
Cobalt	1 / 3	1.7 - 1.7	AIP-137 (0-0.5')	5.6-5.8	13	0.13	0 / 3	N	B
Copper	3 / 3	11 - 28	AIP-136 (0-0.5')	-	28	1.00	0 / 3	N	B
Cyanide CN-	0 / 3	-	-	2.8-3.1	0.1	NA	0 / 3	N	E
Iron	3 / 3	6100 - 19000	AIP-137 (0-0.5')	-	Narrative	NA	0 / 3	N	C
Lead	3 / 3	25 - 1000	AIP-136 (0-0.5')	-	11	90.91	3 / 3	Y	A
Magnesium	3 / 3	500 - 2000	AIP-134 (0-0.5')	-	NA	NA	0 / 3	N	C
Manganese	3 / 3	350 - 410	AIP-134 (0-0.5')	-	220	1.86	3 / 3	Y	A
Mercury	1 / 3	1.3 - 1.3	AIP-134 (0-0.5')	0.12-0.13	0.013	100.00	1 / 3	Y	A
Nickel	3 / 3	1.9 - 3.2	AIP-137 (0-0.5')	-	38	0.08	0 / 3	N	B
Potassium	3 / 3	360 - 560	AIP-134 (0-0.5')	-	NA	NA	0 / 3	N	C
Selenium	0 / 1	-	-	4.3-4.3	0.52	NA	0 / 1	N	E
Silver	2 / 3	0.28 - 6.9	AIP-134 (0-0.5')	1.2-1.2	4.2	1.64	1 / 3	Y	A
Sodium	3 / 3	14 - 56	AIP-137 (0-0.5')	-	NA	NA	0 / 3	N	C
Thallium	1 / 3	0.37 - 0.37	AIP-137 (0-0.5')	2.8-2.9	0.05	7.40	1 / 3	Y	A
Vanadium	3 / 3	15 - 56	AIP-137 (0-0.5')	-	7.8	7.18	3 / 3	Y	A
Zinc	3 / 3	100 - 510	AIP-136 (0-0.5')	-	46	11.09	3 / 3	Y	A
PCBs (mg/kg)									
Aroclor 1016	0 / 3	-	-	0.038-0.041	0.041	NA	0 / 3	N	E
Aroclor 1221	0 / 3	-	-	0.038-0.041	0.041	NA	0 / 3	N	E
Aroclor 1232	0 / 3	-	-	0.038-0.041	0.041	NA	0 / 3	N	E
Aroclor 1242	0 / 3	-	-	0.038-0.041	0.041	NA	0 / 3	N	E
Aroclor 1248	0 / 3	-	-	0.038-0.041	0.041	NA	0 / 3	N	E
Aroclor 1254	0 / 3	-	-	0.038-0.041	0.041	NA	0 / 3	N	E
Aroclor 1260	0 / 3	-	-	0.038-0.041	0.041	NA	0 / 3	N	E
Aroclor 1262	0 / 3	-	-	0.038-0.041	0.041	NA	0 / 3	N	E
Aroclor 1268	0 / 3	-	-	0.038-0.041	0.041	NA	0 / 3	N	E

Table 11A
Preliminary Ecological COPC Screening: Surface Soil (Forested Area)
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent	Detection Frequency	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	EPA Region 4 Ecological Screening Value (ESV)	Max Hazard Quotient (HQ)	Frequency of Detections Exceeding ESV	PCOPC (Y/N)	Basis
Energetics (mg/kg)									
2,4-Dinitrotoluene	0 / 3	-	-	0.2-0.21	6	NA	0 / 3	N	E
2,6-Dinitrotoluene	0 / 3	-	-	0.2-0.21	4	NA	0 / 3	N	E
Nitrobenzene	0 / 3	-	-	0.2-0.21	2.2	NA	0 / 3	N	E
PAHs (mg/kg)									
2-Methylnaphthalene	0 / 3	-	-	0.2-0.21	See Total	NA	0 / 3	N	F
Acenaphthene	0 / 3	-	-	0.2-0.21	See Total	NA	0 / 3	N	F
Acenaphthylene	0 / 3	-	-	0.2-0.21	See Total	NA	0 / 3	N	F
Anthracene	0 / 3	-	-	0.2-0.21	See Total	NA	0 / 3	N	F
Benzo(a)anthracene	1 / 3	0.046 - 0.046	AIP-137 (0-0.5')	0.2-0.2	See Total	NA	0 / 3	N	F
Benzo(a)pyrene	1 / 3	0.063 - 0.063	AIP-137 (0-0.5')	0.2-0.2	See Total	NA	0 / 3	N	F
Benzo(b)fluoranthene	3 / 3	0.052 - 0.085	AIP-137 (0-0.5')	-	See Total	NA	0 / 3	N	F
Benzo(g,h,i)perylene	0 / 3	-	-	0.2-0.21	See Total	NA	0 / 3	N	F
Benzo(k)fluoranthene	0 / 3	-	-	0.2-0.21	See Total	NA	0 / 3	N	F
Chrysene	3 / 3	0.043 - 0.068	AIP-137 (0-0.5')	-	See Total	NA	0 / 3	N	F
Dibenzo(a,h)anthracene	0 / 3	-	-	0.2-0.21	See Total	NA	0 / 3	N	F
Fluoranthene	3 / 3	0.055 - 0.11	AIP-137 (0-0.5')	-	See Total	NA	0 / 3	N	F
Fluorene	0 / 3	-	-	0.2-0.21	See Total	NA	0 / 3	N	F
Indeno(1,2,3-cd)pyrene	1 / 3	0.059 - 0.059	AIP-137 (0-0.5')	0.2-0.2	See Total	NA	0 / 3	N	F
Naphthalene	0 / 3	-	-	0.2-0.21	See Total	NA	0 / 3	N	F
Phenanthrene	0 / 3	-	-	0.2-0.21	See Total	NA	0 / 3	N	F
Pyrene	0 / 3	-	-	0.2-0.21	See Total	NA	0 / 3	N	F
Total LMW-PAH	0 / 3	-	-	0.7-0.735	29	NA	0 / 3	N	E
Total HMW-PAH	3 / 3	0.851 - 0.856	AIP-136 (0-0.5')	-	1.1	0.78	0 / 3	N	B
Pesticides (mg/kg)									
4,4'-DDD	2 / 3	0.0012 - 0.0027	AIP-136 (0-0.5')	0.0041-0.0041	0.021	0.13	0 / 3	N	B
4,4'-DDE	3 / 3	0.0038 - 0.038	AIP-136 (0-0.5')	-	0.021	1.81	2 / 3	Y	A
4,4'-DDT	3 / 3	0.0081 - 0.1	AIP-136 (0-0.5')	-	0.021	4.76	1 / 3	Y	A
Aldrin	0 / 3	-	-	0.002-0.0021	0.03	NA	0 / 3	N	E
alpha-BHC/HCH	0 / 3	-	-	0.002-0.0021	0.0003	NA	0 / 3	N	E
alpha-Chlordane	2 / 3	0.0034 - 0.0059	AIP-137 (0-0.5')	0.002-0.002	0.0029	2.03	2 / 3	Y	A
beta-BHC/HCH	0 / 3	-	-	0.002-0.0021	0.0003	NA	0 / 3	N	E
Chlorinated camphene/ Toxaphene	0 / 3	-	-	0.2-0.21	0.00015	NA	0 / 3	N	E
cis-Heptachlor epoxide	3 / 3	0.00068 - 0.0016	AIP-136 (0-0.5')	-	0.00015	10.67	3 / 3	Y	A
delta-BHC/HCH	0 / 3	-	-	0.002-0.0021	0.0003	NA	0 / 3	N	E

Table 11A
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Macon, Georgia

Constituent	Detection Frequency	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	EPA Region 4 Ecological Screening Value (ESV)	Max Hazard Quotient (HQ)	Frequency of Detections Exceeding ESV	PCOPC (Y/N)	Basis
Dieldrin	2 / 3	0.001 - 0.0013	AIP-136 (0-0.5')	0.0041-0.0041	0.0029	0.45	0 / 3	N	B
Endosulfan I (Alpha)	0 / 3	-	-	0.002-0.0021	0.0009	NA	0 / 3	N	E
Endosulfan II (Beta)	0 / 3	-	-	0.0038-0.0041	0.0009	NA	0 / 3	N	E
Endosulfan sulfate	0 / 3	-	-	0.0038-0.0041	0.0065	NA	0 / 3	N	E
Endrin	0 / 3	-	-	0.0038-0.0041	0.0019	NA	0 / 3	N	E
Endrin aldehyde	0 / 3	-	-	0.0038-0.0041	NA	NA	0 / 3	N	D
Endrin ketone	0 / 3	-	-	0.0038-0.0041	NA	NA	0 / 3	N	D
gamma-BHC/HCH (Lindane)	0 / 3	-	-	0.002-0.0021	0.0031	NA	0 / 3	N	E
gamma-Chlordane	3 / 3	0.0032 - 0.0041	AIP-137 (0-0.5')	-	0.02	0.21	0 / 3	N	B
Heptachlor	0 / 3	-	-	0.002-0.0021	0.0016	NA	0 / 3	N	E
Methoxychlor	0 / 3	-	-	0.02-0.021	0.0021	NA	0 / 3	N	E
SVOCs (mg/kg)									
1,2,4,5-Tetrachlorobenzene	0 / 3	-	-	0.2-0.21	0.18	NA	0 / 3	N	E
1,2-Dichlorobenzene	0 / 0	-	-	-	0.09	NA	-	-	-
1,3-Dichlorobenzene	0 / 0	-	-	-	0.08	NA	-	-	-
1,4-Dichlorobenzene	0 / 0	-	-	-	0.88	NA	-	-	-
2,2-Oxybis(1-chloropropane)	0 / 0	-	-	-	NA	NA	-	-	-
2,2-Oxybis(2-chloropropane)	0 / 3	-	-	0.2-0.21	NA	NA	0 / 3	N	D
2,3,4,6-Tetrachlorophenol	0 / 3	-	-	0.2-0.21	0.04	NA	0 / 3	N	E
2,4,5-Trichlorophenol	0 / 3	-	-	0.2-0.21	4	NA	0 / 3	N	E
2,4,6-Trichlorophenol	0 / 3	-	-	0.2-0.21	NA	NA	0 / 3	N	D
2,4-Dichlorophenol	0 / 3	-	-	0.2-0.21	0.05	NA	0 / 3	N	E
2,4-Dimethylphenol	0 / 3	-	-	0.2-0.21	0.04	NA	0 / 3	N	E
2,4-Dinitrophenol	0 / 3	-	-	0.38-0.41	0.061	NA	0 / 3	N	E
2-Chloronaphthalene	0 / 3	-	-	0.2-0.21	NA	NA	0 / 3	N	D
2-Chlorophenol	0 / 3	-	-	0.2-0.21	0.06	NA	0 / 3	N	E
2-methyl-4,6-dinitrophenol	0 / 3	-	-	0.38-0.41	NA	NA	0 / 3	N	D
2-Nitroaniline	0 / 3	-	-	0.38-0.41	0.02	NA	0 / 3	N	E
2-Nitrophenol	0 / 3	-	-	0.2-0.21	5.12	NA	0 / 3	N	E
3,3'-Dichlorobenzidine	0 / 0	-	-	-	0.03	NA	-	-	-
3-Nitroaniline	0 / 3	-	-	0.38-0.41	0.02	NA	0 / 3	N	E
4-Bromophenyl phenyl ether	0 / 3	-	-	0.2-0.21	NA	NA	0 / 3	N	D
4-Chloro-3-methylphenol	0 / 3	-	-	0.2-0.21	NA	NA	0 / 3	N	D
4-Chlorophenyl phenyl ether	0 / 3	-	-	0.2-0.21	NA	NA	0 / 3	N	D
4-Nitroaniline	0 / 3	-	-	0.38-0.41	0.02	NA	0 / 3	N	E

Table 11A
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Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent	Detection Frequency	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	EPA Region 4 Ecological Screening Value (ESV)	Max Hazard Quotient (HQ)	Frequency of Detections Exceeding ESV	PCOPC (Y/N)	Basis
4-Nitrophenol	0 / 3	-	-	0.38-0.41	5.12	NA	0 / 3	N	E
Acetophenone	1 / 3	0.048 - 0.048	AIP-134 (0-0.5')	0.2-0.21	NA	NA	0 / 3	N	C
Atrazine	0 / 3	-	-	0.2-0.21	0.00005	NA	0 / 3	N	E
Benzaldehyde	1 / 3	0.063 - 0.063	AIP-134 (0-0.5')	0.2-0.21	NA	NA	0 / 3	N	C
Benzyl butyl phthalate	0 / 3	-	-	0.2-0.21	0.59	NA	0 / 3	N	E
Biphenyl	0 / 3	-	-	0.2-0.21	0.2	NA	0 / 3	N	E
Bis(2-chloroethoxy)methane	0 / 3	-	-	0.2-0.21	NA	NA	0 / 3	N	D
Bis(2-ethylhexyl)phthalate	1 / 3	1.2 - 1.2	AIP-136 (0-0.5')	0.2-0.21	0.02	60.00	1 / 3	Y	A
Caprolactam	0 / 1	-	-	0.2-0.2	NA	NA	0 / 1	N	D
Carbazole	0 / 3	-	-	0.2-0.21	0.07	NA	0 / 3	N	E
Cresol	0 / 3	-	-	0.2-0.21	0.08	NA	0 / 3	N	E
Dibenzofuran	0 / 3	-	-	0.2-0.21	0.15	NA	0 / 3	N	E
Dibutyl phthalate	0 / 3	-	-	0.2-0.21	0.011	NA	0 / 3	N	E
Dichloroethyl ether	0 / 3	-	-	0.2-0.21	NA	NA	0 / 3	N	D
Diethyl phthalate	0 / 3	-	-	0.2-0.21	0.25	NA	0 / 3	N	E
Dimethyl phthalate	0 / 3	-	-	0.2-0.21	0.35	NA	0 / 3	N	E
Dinitro-o-cresol	0 / 3	-	-	0.38-0.41	NA	NA	0 / 3	N	D
Di-n-octyl phthalate	0 / 3	-	-	0.2-0.21	0.91	NA	0 / 3	N	E
Diphenylamine	0 / 3	-	-	0.2-0.21	1.01	NA	0 / 3	N	E
Hexachlorobenzene	0 / 3	-	-	0.2-0.21	0.079	NA	0 / 3	N	E
Hexachlorobutadiene	0 / 3	-	-	0.2-0.21	0.009	NA	0 / 3	N	E
Hexachlorocyclopentadiene	0 / 0	-	-	-	0.001	NA	-	-	-
Hexachloroethane	0 / 3	-	-	0.2-0.21	0.024	NA	0 / 3	N	E
Isophorone	0 / 3	-	-	0.2-0.21	NA	NA	0 / 3	N	D
m,p-cresol	0 / 0	-	-	-	0.08	NA	-	-	-
n-Nitrosodi-n-propylamine	0 / 3	-	-	0.2-0.21	NA	NA	0 / 3	N	D
n-Nitrosodiphenylamine	0 / 0	-	-	-	0.545	NA	-	-	-
o-Cresol	0 / 3	-	-	0.2-0.21	0.1	NA	0 / 3	N	E
p-Chloroaniline	0 / 0	-	-	-	1	NA	-	-	-
Pentachlorophenol	0 / 3	-	-	0.38-0.41	2.1	NA	0 / 3	N	E
Phenol	0 / 3	-	-	0.2-0.21	0.79	NA	0 / 3	N	E
VOCs (mg/kg)									
1,1,1-Trichloroethane	0 / 5	-	-	0.004-0.0056	0.04	NA	0 / 5	N	E
1,1,2,2-Tetrachloroethane	0 / 5	-	-	0.004-0.0056	0.127	NA	0 / 5	N	E
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	1 / 4	0.102 - 0.102	ISL-64 (0-1')	0.004-0.0047	NA	NA	0 / 4	N	C

Table 11A
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1,1,2-Trichloroethane	0 / 5	-	-	0.004-0.0056	0.32	NA	0 / 5	N	E
1,1-Dichloroethane	0 / 5	-	-	0.004-0.0056	0.14	NA	0 / 5	N	E
1,1-Dichloroethene	0 / 5	-	-	0.004-0.0056	0.04	NA	0 / 5	N	E
1,2,3-Trichlorobenzene	0 / 3	-	-	0.004-0.0047	20	NA	0 / 3	N	E
1,2,4-Trichlorobenzene	0 / 0	-	-	-	0.27	NA	-	-	-
1,2-Dibromo-3-chloropropane	0 / 3	-	-	0.004-0.0047	NA	NA	0 / 3	N	D
1,2-Dichlorobenzene	0 / 0	-	-	-	0.09	NA	-	-	-
1,2-Dichloroethane	0 / 5	-	-	0.004-0.0056	0.4	NA	0 / 5	N	E
1,2-Dichloroethene	0 / 2	-	-	0.0053-0.0056	0.04	NA	0 / 2	N	E
1,2-Dichloropropane	0 / 5	-	-	0.004-0.0056	0.28	NA	0 / 5	N	E
1,3-Dichlorobenzene	0 / 0	-	-	-	0.08	NA	-	-	-
1,4-Dichlorobenzene	0 / 0	-	-	-	0.88	NA	-	-	-
2-Butanone	1 / 5	0.02 - 0.02	AIP-136 (0-0.5')	0.0085-0.0112	1	0.02	0 / 5	N	B
2-Hexanone	0 / 5	-	-	0.0081-0.0112	0.36	NA	0 / 5	N	E
4-Methyl-2-pentanone	0 / 5	-	-	0.0081-0.0112	NA	NA	0 / 5	N	D
Acetone	3 / 5	0.0118 - 0.18	AIP-136 (0-0.5')	0.0085-0.0093	1.2	0.15	0 / 5	N	B
Benzene	0 / 5	-	-	0.004-0.0056	0.12	NA	0 / 5	N	E
Bromodichloromethane	0 / 6	-	-	0.004-0.006	NA	NA	0 / 6	N	D
Bromoform	0 / 5	-	-	0.004-0.0053	0.07	NA	0 / 5	N	E
Carbon disulfide	0 / 5	-	-	0.004-0.0056	0.005	NA	0 / 5	N	E
Carbon tetrachloride	0 / 5	-	-	0.004-0.0056	0.05	NA	0 / 5	N	E
Chlorobenzene	0 / 5	-	-	0.004-0.0056	2.4	NA	0 / 5	N	E
Chlorobromomethane	0 / 3	-	-	0.004-0.0047	NA	NA	0 / 3	N	D
Chloroethane	0 / 6	-	-	0.004-0.0119	NA	NA	0 / 6	N	D
Chloroform	0 / 6	-	-	0.004-0.006	0.05	NA	0 / 6	N	E
cis-1,2-Dichloroethene	0 / 3	-	-	0.004-0.0047	0.04	NA	0 / 3	N	E
cis-1,3-Dichloropropene	0 / 6	-	-	0.004-0.006	0.001	NA	0 / 6	N	E
Cyclohexane	0 / 3	-	-	0.004-0.0047	NA	NA	0 / 3	N	D
Dibromochloromethane	0 / 6	-	-	0.004-0.006	NA	NA	0 / 6	N	D
Dichlorodifluoromethane (Freon 12)	0 / 3	-	-	0.004-0.0047	NA	NA	0 / 3	N	D
Ethylbenzene	0 / 6	-	-	0.004-0.006	0.27	NA	0 / 6	N	E
Ethylene dibromide	0 / 3	-	-	0.004-0.0047	NA	NA	0 / 3	N	D
Isopropylbenzene (Cumene)	0 / 3	-	-	0.004-0.0047	0.04	NA	0 / 3	N	E
m,p-Xylenes	0 / 3	-	-	0.004-0.0047	0.1	NA	0 / 3	N	E

Table 11A
Preliminary Ecological COPC Screening: Surface Soil (Forested Area)
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent	Detection Frequency	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	EPA Region 4 Ecological Screening Value (ESV)	Max Hazard Quotient (HQ)	Frequency of Detections Exceeding ESV	PCOPC (Y/N)	Basis
Methyl acetate	1 / 3	0.0024 - 0.0024	AIP-134 (0-0.5')	0.004-0.0047	NA	NA	0 / 3	N	C
Methyl bromide	0 / 6	-	-	0.004-0.0119	0.002	NA	0 / 6	N	E
Methyl chloride	0 / 6	-	-	0.004-0.0119	NA	NA	0 / 6	N	D
Methyl tert-butyl ether	0 / 3	-	-	0.004-0.0047	NA	NA	0 / 3	N	D
Methylcyclohexane	0 / 3	-	-	0.004-0.0047	NA	NA	0 / 3	N	D
Methylene chloride	2 / 6	0.0153 - 0.0425	ISL-64 (0-1')	0.004-0.0064	0.21	0.20	0 / 6	N	B
o-Xylene	0 / 3	-	-	0.004-0.0047	0.1	NA	0 / 3	N	E
Styrene	0 / 6	-	-	0.004-0.006	1.2	NA	0 / 6	N	E
Tetrachloroethene	0 / 6	-	-	0.004-0.006	0.06	NA	0 / 6	N	E
Toluene	1 / 6	0.0012 - 0.0012	ISL-78 (0-1')	0.0016-0.0056	0.15	0.01	0 / 6	N	B
trans-1,2-Dichloroethene	0 / 3	-	-	0.004-0.0047	0.04	NA	0 / 3	N	E
trans-1,3-Dichloropropene	0 / 6	-	-	0.004-0.006	0.001	NA	0 / 6	N	E
Trichloroethene	0 / 6	-	-	0.004-0.006	0.06	NA	0 / 6	N	E
Trichlorofluoromethane (Freon 11)	0 / 3	-	-	0.004-0.0047	16.4	NA	0 / 3	N	E
Vinyl chloride	0 / 6	-	-	0.004-0.0119	0.03	NA	0 / 6	N	E
Xylene, Total	2 / 3	0.00077 - 0.00079	ISL-78 (0-1')	0.0056-0.0056	0.1	0.01	0 / 3	N	B

Notes:
Surface soil samples included in the screening evaluation include those collected on the MNOP Site in the following intervals: 0-0.5', 0-1', and 0-2', with the exception of the following two samples for which coordinates are not known: ISL-113 and ISL-114.
Individual results for the samples included in this evaluation are provided in an appendix to this report.
EPA Region 4 ESV - EPA Region 4 Ecological Screening Value taken from Table 3 of the EPA Region 4 Ecological Risk Assessment Supplemental Guidance (March 2018 Update).
Background sample locations collected in surface soil include: AIP-100-SF (0-0.5') and MNOP-01-SF (0-0.5')
ND- Nondetect
DL - Detection Limit
PCOPC - Preliminary Constituent of Potential Concern
Basis:
A = Maximum detected concentration exceeds the Region 4 ESV.
B = Maximum detected concentration is less than the Region 4 ESV.
C = Chemical was detected and no Region 4 ESV was available.
D = Chemical was not detected and no Region 4 ESV was available.
E = Chemical was not detected and a Region 4 ESV is available.
F = Chemical is a member of a class of compounds and the total concentration is screened against the Region 4 ESV for the total compound in that class.

Table 11B
Refined Ecological COPC Screening: Surface Soil (Forested Area)
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent	Detection Frequency	Maximum Detected Concentration	Background Screening Value (BSV)	Frequency of Detections Exceeding BSV	EPA Region 4 Mammal Screening Value	EPA Region 4 Avian Screening Value	EPA Region 4 Plant Screening Value	EPA Region 4 Invertebrate Screening Value	EPA Region 4 Refinement Screening Value (RSV)	RSV Source	Refinement Hazard Quotient (HQ)	Frequency of Detections Exceeding RSV	Refined PCOPC (Y/N)	Basis
Inorganics (mg/kg)														
Antimony	2 / 2	0.88	1.64	0 / 2	0.27	NA	5	78	0.27	Mammal	3.26	2 / 2	N	B
Cadmium	2 / 3	15	-	-	0.36	0.77	32	140	0.36	Mammal	41.67	2 / 3	Y	A
Chromium	3 / 3	51	340	0 / 3	63	23	NA	NA	23	Avian	2.22	1 / 3	N	B
Lead	3 / 3	1000	114	1 / 3	56	11	120	1700	11	Avian	90.91	3 / 3	Y	A
Manganese	3 / 3	410	300	3 / 3	4000	4300	220	450	4000	Mammal	0.10	0 / 3	N	B
Mercury	1 / 3	1.3	0.146	1 / 3	1.7	0.013	0.3	0.05	0.013	Avian	100.00	1 / 3	Y	A
Silver	2 / 3	6.9	-	-	14	4.2	560	NA	4.2	Avian	1.64	1 / 3	Y	A
Thallium	1 / 3	0.37	-	-	0.42	4.5	0.05	NA	0.42	Mammal	0.88	0 / 3	N	B
Vanadium	3 / 3	56	68	0 / 3	280	7.8	60	NA	7.8	Avian	7.18	3 / 3	N	B
Zinc	3 / 3	510	480	1 / 3	79	46	160	120	46	Avian	11.09	3 / 3	Y	A
Pesticides (mg/kg)			-											
4,4'-DDE	3 / 3	0.038	0.0114	2 / 3	0.021	0.093	NA	NA	0.021	Mammal	1.81	2 / 3	Y	A
4,4'-DDT	3 / 3	0.1	0.019	1 / 3	0.021	0.093	NA	NA	0.021	Mammal	4.76	1 / 3	Y	A
alpha-Chlordane	2 / 3	0.0059	-	-	0.27	0.27	2.2	0.0029	0.27	Mammal	0.02	0 / 3	N	B
cis-Heptachlor epoxide	3 / 3	0.0016	0.00102	2 / 3	0.152	NA	NA	0.00015	0.152	Mammal	0.01	0 / 3	N	B
SVOCs (mg/kg)			-											
Bis(2-ethylhexyl)phthalate	1 / 3	1.2	-	-	0.6	0.02	NA	8.4	0.02	Avian	60.00	1 / 3	Y	A

Notes:
Surface soil samples included in the screening evaluation include those collected on the MNOP Site in the following intervals: 0-0.5', 0-1', and 0-2', with the exception of the following two samples for which coordinates are not known: ISL-113 and ISL-114.
Individual results for the samples included in this evaluation are provided in an appendix to this report.
EPA Region 4 ESV - EPA Region 4 Ecological Screening Value taken from Table 3 of the EPA Region 4 Ecological Risk Assessment Supplemental Guidance (March 2018 Update).
Background sample locations collected in surface soil include: AIP-100-SF (0-0.5') and MNOP-01-SF (0-0.5')
ND- Nondetect
DL - Detection Limit
PCOPC - Preliminary Constituent of Potential Concern
Basis:
A = Maximum detected concentration exceeds the Region 4 ESV and background (if available).
B = Maximum detected concentration is less than the Region 4 ESV or background (if available).

Table 12A
Preliminary Ecological COPC Screening: Sediment
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

				Maximum Concentration				EPA Region 4	Max Hazard Quotient (HQ)			# Detects > ESV			PCOPC			
Constituent	Detection Frequency	Range of Detections	Location of Maximum Concentration	MNOP Site	MNOP/ AWI Boundary	South of Site	Range of DLs for NDs	Ecological Screening Value (ESV)	MNOP Site	MNOP/ AWI Boundary	South of Site	MNOP Site	MNOP/ AWI Boundary	South of Site	MNOP Site	MNOP/ AWI Boundary	South of Site	Basis
Inorganics (mg/kg)																		
Aluminum	12 / 12	910 - 7100	DD519-20090514	3900	6000	7100	-	25000	0.16	0.24	0.28	-	-	-	N	N	N	B / B / B
Antimony	5 / 14	0.34 - 4.7	DD511-20090515	4.7	0.81	1.9	0.46-8	2	2.35	0.41	0.95	1	-	-	Y	N	N	A / B / B
Arsenic	14 / 17	0.78 - 3	DD519-20090514	1.9	2.2	3	1.2-1.3	10	0.19	0.22	0.31	-	-	-	N	N	N	B / B / B
Barium	12 / 12	3.5 - 110	DD519-20090514	83	55	110	-	20	4.15	2.75	5.50	3	2	3	Y	Y	Y	A / A / A
Beryllium	10 / 17	0.086 - 0.35	DD519-20090514	0.2	-	0.35	0.56-0.84	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Cadmium	7 / 17	0.042 - 11	DD519-20090514	1.7	0.98	11	0.08-0.78	1	1.70	0.98	11.00	1	-	1	Y	N	Y	A / B / A
Calcium	12 / 12	140 - 21000	DD517-20090514	21000	3700	5600	-	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Chromium	17 / 17	2.6 - 34	ISD-202-20000101	10.9	13	34	-	43.4	0.25	0.30	0.78	-	-	-	N	N	N	B / B / B
Cobalt	5 / 12	0.81 - 4.1	DD519-20090514	1.1	-	4.1	5.6-8.4	50	0.02	NA	0.08	-	-	-	N	N	N	B / B / B
Copper	17 / 17	2.5 - 40	DD515-20090514	40	22	32	-	31.6	1.27	0.70	1.01	1	-	1	Y	N	Y	A / B / A
Cyanide CN-	0 / 9	-	-	-	-	-	2.7-8.8	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Iron	12 / 12	1400 - 11000	DD519-20090514	6800	8500	11000	-	20000	0.34	0.43	0.55	-	-	-	N	N	N	B / B / B
Lead	17 / 17	1.1 - 72	DD505-20090519	28	72	53	-	35.8	0.78	2.01	1.48	-	1	2	N	Y	Y	B / A / A
Magnesium	12 / 12	130 - 670	DD505-20090519	610	670	590	-	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Manganese	12 / 12	13 - 320	DD519-20090514	300	220	320	-	460	0.65	0.48	0.70	-	-	-	N	N	N	B / B / B
Mercury	12 / 27	0.027 - 1.1	MNOPD409-20110630	0.083	0.087	1.1	0.05-0.35	0.18	0.46	0.48	6.11	-	-	3	N	N	Y	B / B / A
Nickel	17 / 17	0.69 - 4	DD505-20090519	3.09	4	3.34	-	22.7	0.14	0.18	0.15	-	-	-	N	N	N	B / B / B
Potassium	12 / 12	20 - 600	DD504-20090520	290	600	130	-	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Selenium	0 / 16	-	-	-	-	-	0.4-12	0.72	NA	NA	NA	-	-	-	N	N	N	B / B / B
Silver	1 / 17	0.57 - 0.57	DD504-20090520	-	0.57	-	0.1-3.5	1	NA	0.57	NA	-	-	-	N	N	N	B / B / B
Sodium	12 / 12	6.1 - 170	DD519-20090514	38	38	170	-	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Thallium	1 / 17	0.17 - 0.17	DD516-20090514	0.17	-	-	0.23-8.8	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Vanadium	10 / 12	8.7 - 35	DD519-20090514	15	25	35	5.9-6.4	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Zinc	17 / 17	15 - 130	DD505-20090519	130	130	59	-	121	1.07	1.07	0.49	1	1	-	Y	Y	N	A / A / B
PCBs (mg/kg)																		
Aroclor 1016	0 / 17	-	-	-	-	-	0.0039-0.13	0.0598	NA	NA	NA	-	-	-	N	N	N	B / B / B
Aroclor 1221	0 / 17	-	-	-	-	-	0.0039-0.13	0.0598	NA	NA	NA	-	-	-	N	N	N	B / B / B
Aroclor 1232	0 / 17	-	-	-	-	-	0.0039-0.13	0.0598	NA	NA	NA	-	-	-	N	N	N	B / B / B
Aroclor 1242	0 / 17	-	-	-	-	-	0.0039-0.13	0.0598	NA	NA	NA	-	-	-	N	N	N	B / B / B
Aroclor 1248	3 / 17	0.36 - 0.99	DD519-20090514	-	-	0.99	0.0039-0.053	0.0598	NA	NA	16.56	-	-	3	N	N	Y	B / B / A
Aroclor 1254	1 / 17	0.92 - 0.92	DD519-20090514	-	-	0.92	0.0039-0.053	0.0598	NA	NA	15.38	-	-	1	N	N	Y	B / B / A
Aroclor 1260	1 / 17	0.23 - 0.23	DD519-20090514	-	-	0.23	0.0039-0.053	0.0598	NA	NA	3.85	-	-	1	N	N	Y	B / B / A
Aroclor 1262	0 / 12	-	-	-	-	-	0.036-0.13	0.0598	NA	NA	NA	-	-	-	N	N	N	B / B / B
Aroclor 1268	0 / 12	-	-	-	-	-	0.036-0.13	0.0598	NA	NA	NA	-	-	-	N	N	N	B / B / B
Energetics (mg/kg)																		
2,4-Dinitrotoluene	0 / 12	-	-	-	-	-	0.18-0.65	0.29	NA	NA	NA	-	-	-	N	N	N	B / B / B
2,6-Dinitrotoluene	0 / 12	-	-	-	-	-	0.18-0.65	0.296	NA	NA	NA	-	-	-	N	N	N	B / B / B
Nitrobenzene	0 / 12	-	-	-	-	-	0.18-0.65	0.407	NA	NA	NA	-	-	-	N	N	N	B / B / B
PAHs (mg/kg)																		
2-Methylnaphthalene	0 / 12	-	-	-	-	-	0.18-0.65	0.0202	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Acenaphthene	0 / 17	-	-	-	-	-	0.039-0.65	0.0067	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Acenaphthylene	2 / 17	0.043 - 0.067	DD518-20090514	-	-	0.067	0.039-0.65	0.0059	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Anthracene	3 / 17	0.031 - 0.17	DD518-20090514	-	0.031	0.17	0.039-0.65	0.057	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Benzo(a)anthracene	8 / 17	0.03 - 0.41	DD507-20090519	0.03	0.21	0.41	0.039-0.21	0.108	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Benzo(a)pyrene	6 / 17	0.047 - 0.7	DD519-20090514	-	0.22	0.7	0.039-0.21	0.15	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Benzo(b)fluoranthene	7 / 17	0.043 - 0.86	DD518-20090514	-	0.28	0.86	0.039-0.21	0.19	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Benzo(g,h,i)perylene	6 / 17	0.062 - 0.62	DD519-20090514	-	0.18	0.62	0.039-0.21	0.17	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Benzo(k)fluoranthene	5 / 17	0.031 - 0.62	DD518-20090514	-	0.21	0.62	0.039-0.65	0.24	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Chrysene	9 / 17	0.031 - 0.57	DD519-20090514	0.041	0.28	0.57	0.039-0.2	0.166	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Dibenzo(a,h)anthracene	4 / 17	0.063 - 0.14	DD519-20090514	-	0.063	0.14	0.039-0.27	0.033	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Fluoranthene	9 / 17	0.042 - 0.75	DD507-20090519	0.058	0.44	0.75	0.039-0.65	0.423	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Fluorene	0 / 17	-	-	-	-	-	0.039-0.65	0.077	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Indeno(1,2,3-cd)pyrene	6 / 17	0.034 - 0.39	DD507-20090519	-	0.23	0.39	0.039-0.21	0.2	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Naphthalene	0 / 17	-	-	-	-	-	0.039-0.65	0.176	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Phenanthrene	4 / 17	0.028 - 0.23	DD507-20090519	-	0.17	0.23	0.039-0.65	0.204	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Pyrene	5 / 17	0.051 - 0.82	DD507-20090519	-	0.38	0.82	0.039-0.65	0.195	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Total LMW-PAH	5 / 17	0.688 - 0.876	DD519-20090514	-	0.876	2.275	-	0.6	NA	1.46	3.79	-	2	3	N	Y	Y	B / A / A
Total HMW-PAH	10 / 17	0.4769 - 5.01	DD507-20090519	1.044	2.663	5.01	-	1	1.04	2.66	5.01	1	2	3	Y	Y	Y	A / A / A
Total PAH	10 / 17	0.6089 - 6.14	DD519-20090514	1.674	3.369	6.14	-	1.61	1.04	2.09	3.81	1	2	3	Y	Y	Y	A / A / A
Pesticides (mg/kg)																		
4,4'-DDD	4 / 12	0.0028 - 0.0089	DD516-20090514	0.0089	0.0028	0.0043	0.0036-0.0052	0.0035	2.54	0.80	1.23	2	-	1	Y	N	Y	A / B / A
4,4'-DDE	6 / 12	0.0016 - 0.015	DD515-20090514	0.015	0.0027	0.0054	0.0039-0.013	0.0014	10.71	1.93	3.86	4	1	1	Y	Y	Y	A / A / A
4,4'-DDT	5 / 12	0.002 - 0.025	DD519-20090514	0.019	0.0078	0.025	0.0036-0.0053	0.001	19.00	7.80	25.00	3	1	1	Y	Y	Y	A / A / A
Aldrin	0 / 12	-	-	-	-	-	0.0018-0.0065	0.029	NA	NA	NA	-	-	-	N	N	N	B / B / B
alpha-BHC/HCH	0 / 12	-	-	-	-	-	0.0018-0.0065	0.0003	NA	NA	NA	-	-	-	N	N	N	B / B / B
alpha-Chlordane	0 / 12	-	-	-	-	-	0.0018-0.0065	0.00006	NA	NA	NA	-	-	-	N	N	N	B / B / B
beta-BHC/HCH	0 / 12	-	-	-	-	-	0.0018-0.0065	0.005	NA	NA	NA	-	-	-	N	N	N	B / B / B
Chlorinated camphene/ Toxaphene	0 / 12	-	-	-	-	-	0.18-0.65	0.0001	NA	NA	NA	-	-	-	N	N	N	B / B / B
cis-Heptachlor epoxide	1 / 12	0.00064 - 0.00064	DD518-20090514	-	-	0.0006	0.0018-0.0065	0.0025	NA	NA	0.26	-	-	-	N	N	N	B / B / B
delta-BHC/HCH	0 / 12	-	-	-	-	-	0.0018-0.0065	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B

Table 12A
Preliminary Ecological COPC Screening: Sediment
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Dieldrin	2 / 12	0.0047 - 0.12	DD518-20090514	-	0.0047	0.12	0.0036-0.013	0.0077	NA	0.61	15.58	-	-	1	N	N	Y	B / B / A
Endosulfan I (Alpha)	0 / 12	-	-	-	-	-	0.0018-0.0065	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Endosulfan II (Beta)	1 / 12	0.0037 - 0.0037	DD505-20090519	-	0.0037	-	0.0036-0.013	0.0009	NA	4.11	NA	-	1	-	N	Y	N	B / A / B
Endosulfan sulfate	1 / 12	0.014 - 0.014	DD506-20090519	-	-	0.014	0.0036-0.013	0.0007	NA	NA	20.00	-	-	1	N	N	Y	B / B / A
Endrin	0 / 12	-	-	-	-	-	0.0036-0.013	0.0022	NA	NA	NA	-	-	-	N	N	N	B / B / B
Endrin aldehyde	0 / 12	-	-	-	-	-	0.0036-0.013	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Endrin ketone	0 / 12	-	-	-	-	-	0.0036-0.013	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
gamma-BHC/HCH (Lindane)	0 / 12	-	-	-	-	-	0.0018-0.0065	0.0024	NA	NA	NA	-	-	-	N	N	N	B / B / B
gamma-Chlordane	4 / 12	0.00093 - 0.016	DD507-20090519	0.0009	0.0022	0.016	0.0018-0.0065	0.00006	15.50	36.67	266.67	1	1	2	Y	Y	Y	A / A / A
Heptachlor	0 / 12	-	-	-	-	-	0.0018-0.0065	0.0006	NA	NA	NA	-	-	-	N	N	N	B / B / B
Methoxychlor	0 / 12	-	-	-	-	-	0.018-0.065	0.03	NA	NA	NA	-	-	-	N	N	N	B / B / B
SVOCs (mg/kg)																		
1,2,4,5-Tetrachlorobenzene	0 / 12	-	-	-	-	-	0.18-0.65	0.187	NA	NA	NA	-	-	-	N	N	N	B / B / B
2,2-Oxybis(2-chloropropane)	0 / 12	-	-	-	-	-	0.18-0.65	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
2,3,4,6-Tetrachlorophenol	0 / 12	-	-	-	-	-	0.18-0.65	0.03	NA	NA	NA	-	-	-	N	N	N	B / B / B
2,4,5-Trichlorophenol	0 / 12	-	-	-	-	-	0.18-0.65	0.034	NA	NA	NA	-	-	-	N	N	N	B / B / B
2,4,6-Trichlorophenol	0 / 12	-	-	-	-	-	0.18-0.65	0.089	NA	NA	NA	-	-	-	N	N	N	B / B / B
2,4-Dichlorophenol	0 / 12	-	-	-	-	-	0.18-0.65	0.057	NA	NA	NA	-	-	-	N	N	N	B / B / B
2,4-Dimethylphenol	0 / 12	-	-	-	-	-	0.18-0.65	0.039	NA	NA	NA	-	-	-	N	N	N	B / B / B
2,4-Dinitrophenol	0 / 12	-	-	-	-	-	0.36-1.3	0.223	NA	NA	NA	-	-	-	N	N	N	B / B / B
2-Chloronaphthalene	0 / 17	-	-	-	-	-	0.039-0.65	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
2-Chlorophenol	0 / 12	-	-	-	-	-	0.18-0.65	0.055	NA	NA	NA	-	-	-	N	N	N	B / B / B
2-Nitroaniline	0 / 12	-	-	-	-	-	0.36-1.3	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
2-Nitrophenol	0 / 12	-	-	-	-	-	0.18-0.65	0.168	NA	NA	NA	-	-	-	N	N	N	B / B / B
3,3'-Dichlorobenzidine	0 / 9	-	-	-	-	-	0.18-0.27	0.031	NA	NA	NA	-	-	-	N	N	N	B / B / B
3-Nitroaniline	0 / 12	-	-	-	-	-	0.36-1.3	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
4-Bromophenyl phenyl ether	0 / 12	-	-	-	-	-	0.18-0.65	0.047	NA	NA	NA	-	-	-	N	N	N	B / B / B
4-Chloro-3-methylphenol	0 / 12	-	-	-	-	-	0.18-0.65	0.005	NA	NA	NA	-	-	-	N	N	N	B / B / B
4-Chlorophenyl phenyl ether	0 / 12	-	-	-	-	-	0.18-0.65	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
4-Nitroaniline	0 / 12	-	-	-	-	-	0.36-1.3	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
4-Nitrophenol	0 / 12	-	-	-	-	-	0.36-1.3	0.153	NA	NA	NA	-	-	-	N	N	N	B / B / B
Acetophenone	3 / 12	0.047 - 0.07	DD516-20090514	0.07	-	0.054	0.18-0.65	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Atrazine	0 / 12	-	-	-	-	-	0.18-0.65	0.0003	NA	NA	NA	-	-	-	N	N	N	B / B / B
Benzaldehyde	2 / 12	0.12 - 0.32	DD519-20090514	0.12	-	0.32	0.18-0.27	0.059	2.03	NA	5.42	1	-	1	Y	N	Y	A / B / A
Benzyl butyl phthalate	0 / 12	-	-	-	-	-	0.18-0.65	0.1	NA	NA	NA	-	-	-	N	N	N	B / B / B
Biphenyl	0 / 12	-	-	-	-	-	0.18-0.65	0.198	NA	NA	NA	-	-	-	N	N	N	B / B / B
Bis(2-chloroethoxy)methane	0 / 12	-	-	-	-	-	0.18-0.65	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Bis(2-ethylhexyl)phthalate	2 / 12	0.27 - 3.4	DD519-20090514	0.27	-	3.4	0.18-0.27	0.18	1.50	NA	18.89	1	-	1	Y	N	Y	A / B / A
Caprolactam	0 / 12	-	-	-	-	-	0.18-0.65	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Carbazole	2 / 12	0.031 - 0.04	DD507-20090519	-	0.031	0.04	0.18-0.65	0.069	NA	0.45	0.58	-	-	-	N	N	N	B / B / B
Cresol	1 / 12	0.3 - 0.3	DD505-20090519	-	0.3	-	0.18-0.65	0.093	NA	3.23	NA	-	1	-	N	Y	N	B / A / B
Dibenzofuran	0 / 12	-	-	-	-	-	0.18-0.65	0.51	NA	NA	NA	-	-	-	N	N	N	B / B / B
Dibutyl phthalate	0 / 12	-	-	-	-	-	0.18-0.65	0.011	NA	NA	NA	-	-	-	N	N	N	B / B / B
Dichloroethyl ether	0 / 12	-	-	-	-	-	0.18-0.65	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Diethyl phthalate	0 / 12	-	-	-	-	-	0.18-0.65	0.63	NA	NA	NA	-	-	-	N	N	N	B / B / B
Dimethyl phthalate	0 / 12	-	-	-	-	-	0.18-0.65	0.678	NA	NA	NA	-	-	-	N	N	N	B / B / B
Dinitro-o-cresol	0 / 12	-	-	-	-	-	0.36-1.3	1.477	NA	NA	NA	-	-	-	N	N	N	B / B / B
Di-n-octyl phthalate	0 / 12	-	-	-	-	-	0.18-0.65	0.039	NA	NA	NA	-	-	-	N	N	N	B / B / B
Diphenylamine	0 / 12	-	-	-	-	-	0.18-0.65	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Hexachlorobenzene	0 / 12	-	-	-	-	-	0.18-0.65	0.02	NA	NA	NA	-	-	-	N	N	N	B / B / B
Hexachlorobutadiene	0 / 12	-	-	-	-	-	0.18-0.65	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Hexachlorocyclopentadiene	0 / 9	-	-	-	-	-	0.18-0.27	0.0065	NA	NA	NA	-	-	-	N	N	N	B / B / B
Hexachloroethane	0 / 12	-	-	-	-	-	0.18-0.65	0.027	NA	NA	NA	-	-	-	N	N	N	B / B / B
Isophorone	0 / 12	-	-	-	-	-	0.18-0.65	0.876	NA	NA	NA	-	-	-	N	N	N	B / B / B
n-Nitrosodi-n-propylamine	0 / 12	-	-	-	-	-	0.18-0.65	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
o-Cresol	0 / 12	-	-	-	-	-	0.18-0.65	0.119	NA	NA	NA	-	-	-	N	N	N	B / B / B
p-Chloroaniline	0 / 9	-	-	-	-	-	0.18-0.27	0.0009	NA	NA	NA	-	-	-	N	N	N	B / B / B
Pentachlorophenol	0 / 12	-	-	-	-	-	0.36-1.3	0.01	NA	NA	NA	-	-	-	N	N	N	B / B / B
Phenol	0 / 12	-	-	-	-	-	0.18-0.65	0.175	NA	NA	NA	-	-	-	N	N	N	B / B / B
VOCs (mg/kg)																		
1,1,1-Trichloroethane	0 / 17	-	-	-	-	-	0.001-0.02	0.07	NA	NA	NA	-	-	-	N	N	N	B / B / B
1,1,2,2-Tetrachloroethane	0 / 17	-	-	-	-	-	0.001-0.02	0.25	NA	NA	NA	-	-	-	N	N	N	B / B / B
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	0 / 12	-	-	-	-	-	0.0029-0.02	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
1,1,2-Trichloroethane	0 / 17	-	-	-	-	-	0.001-0.02	0.538	NA	NA	NA	-	-	-	N	N	N	B / B / B
1,1-Dichloroethane	0 / 17	-	-	-	-	-	0.001-0.02	0.02	NA	NA	NA	-	-	-	N	N	N	B / B / B
1,1-Dichloroethene	0 / 17	-	-	-	-	-	0.001-0.02	0.1	NA	NA	NA	-	-	-	N	N	N	B / B / B
1,2,3-Trichlorobenzene	0 / 12	-	-	-	-	-	0.0029-0.02	0.113	NA	NA	NA	-	-	-	N	N	N	B / B / B
1,2,4-Trichlorobenzene	0 / 12	-	-	-	-	-	0.0029-0.02	0.011	NA	NA	NA	-	-	-	N	N	N	B / B / B
1,2-Dibromo-3-chloropropane	0 / 12	-	-	-	-	-	0.0029-0.02	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
1,2-Dichlorobenzene	0 / 12	-	-	-	-	-	0.0029-0.02	0.095	NA	NA	NA	-	-	-	N	N	N	B / B / B
1,2-Dichloroethane	0 / 17	-	-	-	-	-	0.001-0.02	0.986	NA	NA	NA	-	-	-	N	N	N	B / B / B
1,2-Dichloroethene	0 / 5	-	-	-	-	-	0.002-0.0028	0.2	NA	NA	NA	-	-	-	N	N	N	B / B / B
1,2-Dichloropropane	0 / 17	-	-	-	-	-	0.001-0.02	0.428	NA	NA	NA	-	-	-	N	N	N	B / B / B
1,3-Dichlorobenzene	0 / 12	-	-	-	-	-	0.0029-0.02	0.089	NA	NA	NA	-	-	-	N	N	N	B / B / B
1,4-Dichlorobenzene	0 / 12	-	-	-	-	-	0.0029-0.02	0.03	NA	NA	NA	-	-	-	N	N	N	B / B / B

Table 12A
Preliminary Ecological COPC Screening: Sediment
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

2-Butanone	4 / 17	0.0059 - 0.046	DD519-20090514	0.0077	-	0.046	0.005-0.017	7.604	0.00	NA	0.01	-	-	-	N	N	N	B / B / B
2-Hexanone	0 / 16	-	-	-	-	-	0.005-0.039	0.045	NA	NA	NA	-	-	-	N	N	N	B / B / B
4-Methyl-2-pentanone	1 / 16	0.0064 - 0.0064	ISD-204-20000101	-	-	0.0064	0.005-0.039	0.073	NA	NA	0.09	-	-	-	N	N	N	B / B / B
Acetone	11 / 12	0.0058 - 0.25	DD518-20090514	0.18	0.026	0.25	0.0068-0.0068	0.065	2.77	0.40	3.85	1	-	2	Y	N	Y	A / B / A
Benzene	0 / 17	-	-	-	-	-	0.001-0.02	0.01	NA	NA	NA	-	-	-	N	N	N	B / B / B
Bromodichloromethane	0 / 17	-	-	-	-	-	0.001-0.02	0.21	NA	NA	NA	-	-	-	N	N	N	B / B / B
Bromoform	0 / 17	-	-	-	-	-	0.001-0.02	0.142	NA	NA	NA	-	-	-	N	N	N	B / B / B
Carbon disulfide	0 / 17	-	-	-	-	-	0.0029-0.02	0.0078	NA	NA	NA	-	-	-	N	N	N	B / B / B
Carbon tetrachloride	0 / 17	-	-	-	-	-	0.001-0.02	0.057	NA	NA	NA	-	-	-	N	N	N	B / B / B
Chlorobenzene	0 / 17	-	-	-	-	-	0.001-0.02	0.03	NA	NA	NA	-	-	-	N	N	N	B / B / B
Chlorobromomethane	0 / 12	-	-	-	-	-	0.0029-0.02	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Chloroethane	0 / 17	-	-	-	-	-	0.001-0.02	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Chloroform	0 / 17	-	-	-	-	-	0.001-0.02	0.087	NA	NA	NA	-	-	-	N	N	N	B / B / B
cis-1,2-Dichloroethene	0 / 12	-	-	-	-	-	0.0029-0.02	0.432	NA	NA	NA	-	-	-	N	N	N	B / B / B
cis-1,3-Dichloropropene	0 / 17	-	-	-	-	-	0.001-0.02	0.0015	NA	NA	NA	-	-	-	N	N	N	B / B / B
Cyclohexane	0 / 12	-	-	-	-	-	0.0029-0.02	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Dibromochloromethane	0 / 17	-	-	-	-	-	0.001-0.02	0.198	NA	NA	NA	-	-	-	N	N	N	B / B / B
Dichlorodifluoromethane (Freon 12)	0 / 12	-	-	-	-	-	0.0029-0.02	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Ethylbenzene	0 / 17	-	-	-	-	-	0.001-0.02	0.29	NA	NA	NA	-	-	-	N	N	N	B / B / B
Ethylene dibromide	0 / 12	-	-	-	-	-	0.0029-0.02	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Isopropylbenzene (Cumene)	0 / 12	-	-	-	-	-	0.0029-0.02	0.035	NA	NA	NA	-	-	-	N	N	N	B / B / B
Methyl acetate	2 / 12	0.0033 - 0.0059	DD518-20090514	-	0.0033	0.0059	0.0029-0.02	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Methyl bromide	0 / 17	-	-	-	-	-	0.001-0.02	0.0065	NA	NA	NA	-	-	-	N	N	N	B / B / B
Methyl chloride	0 / 17	-	-	-	-	-	0.001-0.02	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Methyl tert-butyl ether	0 / 12	-	-	-	-	-	0.0029-0.02	0.304	NA	NA	NA	-	-	-	N	N	N	B / B / B
Methylcyclohexane	1 / 12	0.0036 - 0.0036	DD519-20090514	-	-	0.0036	0.0029-0.0084	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Methylene chloride	0 / 17	-	-	-	-	-	0.0029-0.02	0.018	NA	NA	NA	-	-	-	N	N	N	B / B / B
Styrene	0 / 17	-	-	-	-	-	0.001-0.02	0.126	NA	NA	NA	-	-	-	N	N	N	B / B / B
Tetrachloroethene	3 / 17	0.00039 - 0.0051	DD519-20090514	0.0006	-	0.0051	0.001-0.0084	0.002	0.29	NA	2.55	-	-	1	N	N	Y	B / B / A
Toluene	4 / 17	0.0005 - 0.00093	ISD-202-20000101	-	-	0.0009	0.001-0.02	0.01	NA	NA	0.09	-	-	-	N	N	N	B / B / B
trans-1,2-Dichloroethene	0 / 12	-	-	-	-	-	0.0029-0.02	0.389	NA	NA	NA	-	-	-	N	N	N	B / B / B
trans-1,3-Dichloropropene	0 / 17	-	-	-	-	-	0.001-0.02	0.0015	NA	NA	NA	-	-	-	N	N	N	B / B / B
Trichloroethene	0 / 17	-	-	-	-	-	0.001-0.02	0.078	NA	NA	NA	-	-	-	N	N	N	B / B / B
Trichlorofluoromethane (Freon 11)	0 / 12	-	-	-	-	-	0.0029-0.02	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Vinyl chloride	0 / 17	-	-	-	-	-	0.001-0.02	0.482	NA	NA	NA	-	-	-	N	N	N	B / B / B
m,p-Xylenes	0 / 12	-	-	-	-	-	0.0029-0.02	0.13	NA	NA	NA	-	-	-	N	N	N	B / B / B
o-Xylene	0 / 12	-	-	-	-	-	0.0029-0.02	0.13	NA	NA	NA	-	-	-	N	N	N	B / B / B
Xylene, Total	0 / 5	-	-	-	-	-	0.003-0.0042	0.13	NA	NA	NA	-	-	-	N	N	N	B / B / B

Notes:

Sediment samples were all collected in the 0-1' surface interval.

Individual results for the samples included in this evaluation are provided in an appendix to this report.

EPA Region 4 ESV - EPA Region 4 Ecological Screening Value taken from Tables 2a and 2b of the EPA Region 4 Ecological Risk Assessment Supplemental Guidance (March 2018 Update).

Background sample locations collected in sediment include: DD-502-SD, DD-503-SD, ISD-101 to ISD-106, and MNOP-D2-01-SD.

ND- Nondetect

DL - Detection Limit

PCOPC - Preliminary Constituent of Potential Concern

Basis:

A = Maximum detected concentration exceeds the Region 4 ESV.

B = Constituent was not a PCOPC based on one of the following:

Maximum detected concentration is less than the Region 4 ESV.

No Region 4 ESV was available.

Chemical was not detected.

C = Chemical is a member of a class of compounds and the total concentration is screened against the Region 4 ESV for the total compound in that class.

Table 12B
Refined Ecological COPC Screening: Sediment
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent	Detection Frequency	Maximum Concentration			Range of DLs for NDs	Background	Frequency of Detections Exceeding BSV	EPA Region 4 Refinement Screening Value (RSV)	Refinement Hazard Quotient (HQ)			# Detects > RSV			Refined PCOPC			Basis
		MNOP Site	MNOP/ AWI Boundary	South of Site					MNOP Site	MNOP/ AWI Boundary	South of Site	MNOP Site	MNOP/ AWI Boundary	South of Site	MNOP Site	MNOP/ AWI Boundary	South of Site	
Inorganics (mg/kg)																		
Antimony	5 / 14	4.7	0.81	1.9	0.46-8	-	-	25	0.19	0.03	0.08	-	-	-	N	N	N	B / B / B
Barium	12 / 12	83	55	110	-	114	0 / 12	60	1.38	0.92	1.83	2	-	1	N	N	N	B / B / B
Cadmium	7 / 17	1.7	0.98	11	0.08-0.78	-	-	5	0.34	0.20	2.20	-	-	1	N	N	Y	B / B / A
Copper	17 / 17	40	22	32	-	-	-	149	0.27	0.15	0.21	-	-	-	N	N	N	B / B / B
Lead	17 / 17	28	72	53	-	-	-	128	0.22	0.56	0.41	-	-	-	N	N	N	B / B / B
Mercury	12 / 27	0.083	0.087	1.1	0.05-0.35	-	-	1.1	0.08	0.08	1.00	-	-	-	N	N	N	B / B / B
Zinc	17 / 17	130	130	59	-	-	-	459	0.28	0.28	0.13	-	-	-	N	N	N	B / B / B
PCBs (mg/kg)																		
Aroclor 1248	3 / 17	-	-	0.99	0.0039-0.053	-	-	0.676	NA	NA	1.46	-	-	1	N	N	Y	B / B / A
Aroclor 1254	1 / 17	-	-	0.92	0.0039-0.053	-	-	0.676	NA	NA	1.36	-	-	1	N	N	Y	B / B / A
Aroclor 1260	1 / 17	-	-	0.23	0.0039-0.053	-	-	0.676	NA	NA	0.34	-	-	-	N	N	N	B / B / B
PAHs (mg/kg)																		
2-Methylnaphthalene	0 / 12	-	-	-	0.18-0.65	-	-	NA	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Acenaphthene	0 / 17	-	-	-	0.039-0.65	-	-	NA	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Acenaphthylene	2 / 17	-	-	0.067	0.039-0.65	-	-	NA	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Anthracene	3 / 17	-	0.031	0.17	0.039-0.65	-	-	NA	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Benzo(a)anthracene	8 / 17	0.03	0.21	0.41	0.039-0.21	-	-	NA	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Benzo(a)pyrene	6 / 17	-	0.22	0.7	0.039-0.21	-	-	NA	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Benzo(b)fluoranthene	7 / 17	-	0.28	0.86	0.039-0.21	-	-	NA	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Benzo(g,h,i)perylene	6 / 17	-	0.18	0.62	0.039-0.21	-	-	NA	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Benzo(k)fluoranthene	5 / 17	-	0.21	0.62	0.039-0.65	-	-	NA	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Chrysene	9 / 17	0.041	0.28	0.57	0.039-0.2	-	-	NA	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Dibenzo(a,h)anthracene	4 / 17	-	0.063	0.14	0.039-0.27	-	-	NA	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Fluoranthene	9 / 17	0.058	0.44	0.75	0.039-0.65	-	-	NA	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Fluorene	0 / 17	-	-	-	0.039-0.65	-	-	NA	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Indeno(1,2,3-cd)pyrene	6 / 17	-	0.23	0.39	0.039-0.21	-	-	NA	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Naphthalene	0 / 17	-	-	-	0.039-0.65	-	-	NA	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Phenanthrene	4 / 17	-	0.17	0.23	0.039-0.65	-	-	NA	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Pyrene	5 / 17	-	0.38	0.82	0.039-0.65	-	-	NA	See Total	See Total	See Total	-	-	-	N	N	N	C / C / C
Total LMW-PAH	-	-	0.876	2.275	-	-	-	6	NA	0.15	0.38	-	-	-	N	N	N	B / B / B
Total HMW-PAH	-	1.044	2.663	5.01	-	-	-	10	0.10	0.27	0.50	-	-	-	N	N	N	B / B / B
Total PAH	-	1.674	3.369	6.14	-	-	-	22.8	0.07	0.15	0.27	-	-	-	N	N	N	B / B / B
Pesticides (mg/kg)																		
4,4'-DDD	4 / 12	0.0089	0.0028	0.0043	0.0036-0.0052	-	-	0.0085	1.05	0.33	0.51	1	-	-	Y	N	N	A / B / B
4,4'-DDE	6 / 12	0.015	0.0027	0.0054	0.0039-0.013	0.0187	0 / 12	0.0068	2.21	0.40	0.79	1	-	-	N	N	N	B / B / B
4,4'-DDT	5 / 12	0.019	0.0078	0.025	0.0036-0.0053	-	-	0.007	2.71	1.11	3.57	1	1	1	Y	Y	Y	A / A / A
Dieldrin	2 / 12	-	0.0047	0.12	0.0036-0.013	-	-	0.01	NA	0.47	12.00	-	-	1	N	N	Y	B / B / A
Endosulfan II (Beta)	1 / 12	-	0.0037	-	0.0036-0.013	-	-	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
Endosulfan sulfate	1 / 12	-	-	0.014	0.0036-0.013	-	-	NA	NA	NA	NA	-	-	-	N	N	N	B / B / B
gamma-Chlordane	4 / 12	0.0009	0.0022	0.016	0.0018-0.0065	-	-	1.7	0.001	0.001	0.01	-	-	-	N	N	N	B / B / B

Table 12B
Refined Ecological COPC Screening: Sediment
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent	Detection Frequency	Maximum Concentration			Range of DLs for NDs	Background	Frequency of Detections Exceeding BSV	EPA Region 4 Refinement Screening Value (RSV)	Refinement Hazard Quotient (HQ)			# Detects > RSV			Refined PCOPC			Basis
		MNOP Site	MNOP/ AWI Boundary	South of Site					MNOP Site	MNOP/ AWI Boundary	South of Site	MNOP Site	MNOP/ AWI Boundary	South of Site	MNOP Site	MNOP/ AWI Boundary	South of Site	
SVOCs (mg/kg)																		
Benzaldehyde	2 / 12	0.12	-	0.32	0.18-0.27	-	-	0.58	0.21	NA	0.55	-	-	-	N	N	N	B / B / B
Bis(2-ethylhexyl)phthalate	2 / 12	0.27	-	3.4	0.18-0.27	-	-	2.6	0.10	NA	1.31	-	-	1	N	N	Y	B / B / A
Cresol	1 / 12	-	0.3	-	0.18-0.65	-	-	0.26	NA	1.15	NA	-	1	-	N	Y	N	B / A / B
VOCs (mg/kg)																		
Acetone	11 / 12	0.18	0.026	0.25	0.0068-0.0068	-	-	38.133	0.005	0.001	0.01	-	-	-	N	N	N	B / B / B
Tetrachloroethene	3 / 17	0.0006	-	0.0051	0.001-0.0084	-	-	0.415	0.001	NA	0.01	-	-	-	N	N	N	B / B / B

Notes:
Sediment samples were all collected in the 0-1' surface interval.
Individual results for the samples included in this evaluation are provided in an appendix to this report.
EPA Region 4 RSV - EPA Region 4 Refinement Screening Value taken from Tables 2a and 2b of the EPA Region 4 Ecological Risk Assessment Supplemental Guidance (March 2018 Update), except for PAH totals.
EPA Region 4 RSVs for Total LMW-PAH and Total HMW-PAH are the medians from Table 2c of the guidance document. RSV for the Total PAH was the Consensus-based probable effects concentration (PEC) from MacDonald, D.D.; Ingersoll, C.G.; Smorong, D.E.; Lindskoog, R.A.; Sloane, G; and T. Biernacki. 2003. *Development and Evaluation of Numerical Sediment Quality Assessment Guidelines for Florida Inland Waters. Florida Department of Environmental Protection, Tallahassee, FL. Development and Evaluation of Numerical Sediment Quality Assessment Guidelines for Florida Inland Waters.*
Background sample locations collected in sediment include: DD-502-SD, DD-503-SD, ISD-101 to ISD-106, and MNOP-D2-01-SD.
ND- Nondetect
DL - Detection Limit
PCOPC - Preliminary Constituent of Potential Concern
Basis:
A = Maximum detected concentration exceeds the Region 4 ESV.
B = Constituent was not a PCOPC based on one of the following:
Maximum detected concentration is less than the Region 4 ESV or background (where available).
No Region 4 ESV was available.
Chemical was not detected.
C = Chemical is a member of a class of compounds and the total concentration is screened against the Region 4 ESV for the total compound in that class.

Table 13
Ecological COPC Screening: Surface Water
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent	Detection Frequency	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	EPA R4 ESV	Max Hazard Quotient (HQ)	Frequency of Detections Exceeding ESV	PCOPC Flag (Y/N)	Basis
Inorganics (mg/L)									
Aluminum	1 / 1	0.058 - 0.058	DD-507-SW	-	0.087	0.67	0 / 1	N	B
Antimony	0 / 4	-	-	0.002 - 0.06	0.19	NA	-	N	B
Arsenic	0 / 4	-	-	0.0021 - 0.01	0.15	NA	-	N	B
Barium	1 / 1	0.034 - 0.034	DD-507-SW	-	0.22	0.15	0 / 1	N	B
Beryllium	0 / 4	-	-	0.00017 - 0.005	0.011	NA	-	N	B
Cadmium	0 / 4	-	-	0.00023 - 0.005	0.00045	NA	-	N	B
Calcium	1 / 1	120 - 120	DD-507-SW	-	116	1.03	1 / 1	N*	B*
Chromium	0 / 4	-	-	0.00086 - 0.01	0.042	NA	-	N	B
Cobalt	0 / 1	-	-	0.05 - 0.05	0.019	NA	-	N	B
Copper	0 / 4	-	-	0.001 - 0.025	0.00495	NA	-	N	B
Cyanide CN-	0 / 1	-	-	0.01 - 0.01	0.0052	NA	-	N	B
Iron	1 / 1	0.14 - 0.14	DD-507-SW	-	1	0.14	0 / 1	N	B
Lead	0 / 4	-	-	0.0011 - 0.01	0.00125	NA	-	N	B
Magnesium	1 / 1	4 - 4	DD-507-SW	-	82	0.05	0 / 1	N	B
Manganese	1 / 1	0.022 - 0.022	DD-507-SW	-	0.093	0.24	0 / 1	N	B
Mercury	0 / 4	-	-	0.000043 - 0.0002	0.00077	NA	-	N	B
Nickel	3 / 4	0.0012 - 0.0032	ISW-202-01	0.0011 - 0.0011	0.0289	0.11	0 / 4	N	B
Potassium	1 / 1	2.4 - 2.4	DD-507-SW	-	53	0.05	0 / 1	N	B
Selenium	0 / 4	-	-	0.0021 - 0.035	0.005	NA	-	N	B
Silver	0 / 4	-	-	0.0011 - 0.01	0.00006	NA	-	N	B
Sodium	1 / 1	29 - 29	DD-507-SW	-	680	0.04	0 / 1	N	B
Thallium	0 / 4	-	-	0.0036 - 0.025	0.006	NA	-	N	B
Vanadium	1 / 1	0.012 - 0.012	DD-507-SW	-	0.027	0.44	0 / 1	N	B
Zinc	3 / 4	0.0282 - 0.0346	ISW-203-01	0.06 - 0.06	0.066	0.52	0 / 4	N	B
PCBs - Dissolved (ug/L)									
Aroclor 1016	0 / 3	-	-	0.1 - 0.1	0.014	NA	-	N	B
Aroclor 1221	0 / 3	-	-	0.1 - 0.1	0.014	NA	-	N	B
Aroclor 1232	0 / 3	-	-	0.1 - 0.1	0.014	NA	-	N	B
Aroclor 1242	0 / 3	-	-	0.1 - 0.1	0.014	NA	-	N	B
Aroclor 1248	0 / 3	-	-	0.1 - 0.1	0.014	NA	-	N	B
Aroclor 1254	0 / 3	-	-	0.1 - 0.1	0.014	NA	-	N	B
Aroclor 1260	0 / 3	-	-	0.1 - 0.1	0.014	NA	-	N	B

Table 13
Ecological COPC Screening: Surface Water
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent	Detection Frequency	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	EPA R4 ESV	Max Hazard Quotient (HQ)	Frequency of Detections Exceeding ESV	PCOPC Flag (Y/N)	Basis
PCBs (ug/L)									
Aroclor 1016	0 / 4	-	-	0.1 - 1	0.014	NA	-	N	B
Aroclor 1221	0 / 4	-	-	0.1 - 1	0.014	NA	-	N	B
Aroclor 1232	0 / 4	-	-	0.1 - 1	0.014	NA	-	N	B
Aroclor 1242	0 / 4	-	-	0.1 - 1	0.014	NA	-	N	B
Aroclor 1248	0 / 4	-	-	0.1 - 1	0.014	NA	-	N	B
Aroclor 1254	0 / 4	-	-	0.1 - 1	0.014	NA	-	N	B
Aroclor 1260	0 / 4	-	-	0.1 - 1	0.014	NA	-	N	B
Aroclor 1262	0 / 1	-	-	1 - 1	0.014	NA	-	N	B
Aroclor 1268	0 / 1	-	-	1 - 1	0.014	NA	-	N	B
Energetics (ug/L)									
2,4-Dinitrotoluene	0 / 1	-	-	5 - 5	44	NA	-	N	B
2,6-Dinitrotoluene	0 / 1	-	-	5 - 5	81	NA	-	N	B
Nitrobenzene	0 / 1	-	-	5 - 5	230	NA	-	N	B
PAHs (ug/L)									
2-Methylnaphthalene	0 / 1	-	-	5 - 5	4.7	NA	-	N	B
Acenaphthene	0 / 1	-	-	5 - 5	15	NA	-	N	B
Acenaphthylene	0 / 1	-	-	5 - 5	13	NA	-	N	B
Anthracene	0 / 1	-	-	5 - 5	0.02	NA	-	N	B
Benzo(a)anthracene	0 / 1	-	-	5 - 5	4.7	NA	-	N	B
Benzo(a)pyrene	0 / 1	-	-	5 - 5	0.06	NA	-	N	B
Benzo(b)fluoranthene	0 / 1	-	-	5 - 5	2.6	NA	-	N	B
Benzo(g,h,i)perylene	0 / 1	-	-	5 - 5	0.012	NA	-	N	B
Benzo(k)fluoranthene	0 / 1	-	-	5 - 5	0.06	NA	-	N	B
Chrysene	0 / 1	-	-	5 - 5	4.7	NA	-	N	B
Dibenzo(a,h)anthracene	0 / 1	-	-	5 - 5	0.012	NA	-	N	B
Fluoranthene	0 / 1	-	-	5 - 5	0.8	NA	-	N	B
Fluorene	0 / 1	-	-	5 - 5	19	NA	-	N	B
Indeno(1,2,3-cd)pyrene	0 / 1	-	-	5 - 5	0.012	NA	-	N	B
Naphthalene	0 / 1	-	-	5 - 5	21	NA	-	N	B
Phenanthrene	0 / 1	-	-	5 - 5	2.3	NA	-	N	B
Pyrene	0 / 1	-	-	5 - 5	4.6	NA	-	N	B
Pesticides (ug/L)									
4,4'-DDD	0 / 1	-	-	0.1 - 0.1	0.01	NA	-	N	B
4,4'-DDE	0 / 1	-	-	0.1 - 0.1	0.3	NA	-	N	B
4,4'-DDT	0 / 1	-	-	0.1 - 0.1	0.001	NA	-	N	B

Table 13
Ecological COPC Screening: Surface Water
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent	Detection Frequency	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	EPA R4 ESV	Max Hazard Quotient (HQ)	Frequency of Detections Exceeding ESV	PCOPC Flag (Y/N)	Basis
Aldrin	0 / 1	-	-	0.05 - 0.05	0.04	NA	-	N	B
alpha-BHC/HCH	0 / 1	-	-	0.05 - 0.05	0.01	NA	-	N	B
alpha-Chlordane	0 / 1	-	-	0.05 - 0.05	0.004	NA	-	N	B
beta-BHC/HCH	0 / 1	-	-	0.05 - 0.05	0.01	NA	-	N	B
Chlorinated camphene/ Toxaphene	0 / 1	-	-	5 - 5	0.0002	NA	-	N	B
cis-Heptachlor epoxide	0 / 1	-	-	0.05 - 0.05	0.004	NA	-	N	B
delta-BHC/HCH	0 / 1	-	-	0.05 - 0.05	NA	NA	-	N	B
Dieldrin	0 / 1	-	-	0.1 - 0.1	0.06	NA	-	N	B
Endosulfan I (Alpha)	0 / 1	-	-	0.05 - 0.05	0.06	NA	-	N	B
Endosulfan II (Beta)	0 / 1	-	-	0.1 - 0.1	0.06	NA	-	N	B
Endosulfan sulfate	0 / 1	-	-	0.1 - 0.1	0.06	NA	-	N	B
Endrin	0 / 1	-	-	0.1 - 0.1	0.04	NA	-	N	B
Endrin aldehyde	0 / 1	-	-	0.1 - 0.1	NA	NA	-	N	B
Endrin ketone	0 / 1	-	-	0.1 - 0.1	NA	NA	-	N	B
gamma-BHC/HCH (Lindane)	0 / 1	-	-	0.05 - 0.05	0.11	NA	-	N	B
gamma-Chlordane	0 / 1	-	-	0.05 - 0.05	0.004	NA	-	N	B
Heptachlor	0 / 1	-	-	0.05 - 0.05	0.004	NA	-	N	B
Methoxychlor	0 / 1	-	-	0.5 - 0.5	0.03	NA	-	N	B
SVOCs (ug/L)									
1,2,4,5-Tetrachlorobenzene	0 / 1	-	-	5 - 5	8.3	NA	-	N	B
2,2-Oxybis(2-chloropropane)	0 / 1	-	-	5 - 5	NA	NA	-	N	B
2,3,4,6-Tetrachlorophenol	0 / 1	-	-	5 - 5	1	NA	-	N	B
2,4,5-Trichlorophenol	0 / 1	-	-	5 - 5	1.9	NA	-	N	B
2,4,6-Trichlorophenol	0 / 1	-	-	5 - 5	4.9	NA	-	N	B
2,4-Dichlorophenol	0 / 1	-	-	5 - 5	11	NA	-	N	B
2,4-Dimethylphenol	0 / 1	-	-	5 - 5	15	NA	-	N	B
2,4-Dinitrophenol	0 / 1	-	-	10 - 10	71	NA	-	N	B
2-Chloronaphthalene	0 / 1	-	-	5 - 5	NA	NA	-	N	B
2-Chlorophenol	0 / 1	-	-	5 - 5	18	NA	-	N	B
2-Nitroaniline	0 / 1	-	-	10 - 10	17	NA	-	N	B
2-Nitrophenol	0 / 1	-	-	5 - 5	73	NA	-	N	B
3,3'-Dichlorobenzidine	0 / 1	-	-	5 - 5	4.5	NA	-	N	B
3-Nitroaniline	0 / 1	-	-	10 - 10	17	NA	-	N	B
4-Bromophenyl phenyl ether	0 / 1	-	-	5 - 5	1.5	NA	-	N	B
4-Chloro-3-methylphenol	0 / 1	-	-	5 - 5	1	NA	-	N	B
4-Chlorophenyl phenyl ether	0 / 1	-	-	5 - 5	NA	NA	-	N	B

Table 13
Ecological COPC Screening: Surface Water
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent	Detection Frequency	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	EPA R4 ESV	Max Hazard Quotient (HQ)	Frequency of Detections Exceeding ESV	PCOPC Flag (Y/N)	Basis
4-Nitroaniline	0 / 1	-	-	10 - 10	17	NA	-	N	B
4-Nitrophenol	0 / 1	-	-	10 - 10	58	NA	-	N	B
Acetophenone	0 / 1	-	-	5 - 5	NA	NA	-	N	B
Atrazine	0 / 1	-	-	5 - 5	0.03	NA	-	N	B
Benzaldehyde	0 / 1	-	-	5 - 5	143	NA	-	N	B
Benzyl butyl phthalate	0 / 1	-	-	5 - 5	23	NA	-	N	B
Biphenyl	0 / 1	-	-	5 - 5	6.5	NA	-	N	B
Bis(2-chloroethoxy)methane	0 / 1	-	-	5 - 5	NA	NA	-	N	B
Bis(2-ethylhexyl)phthalate	0 / 1	-	-	5 - 5	8	NA	-	N	B
Caprolactam	0 / 1	-	-	5 - 5	NA	NA	-	N	B
Carbazole	0 / 1	-	-	5 - 5	4	NA	-	N	B
Cresol	0 / 1	-	-	5 - 5	53	NA	-	N	B
Dibenzofuran	0 / 1	-	-	5 - 5	4	NA	-	N	B
Dibutyl phthalate	0 / 1	-	-	5 - 5	19	NA	-	N	B
Dichloroethyl ether	0 / 1	-	-	5 - 5	NA	NA	-	N	B
Diethyl phthalate	0 / 1	-	-	5 - 5	220	NA	-	N	B
Dimethyl phthalate	0 / 1	-	-	5 - 5	1100	NA	-	N	B
Dinitro-o-cresol	0 / 1	-	-	10 - 10	NA	NA	-	N	B
Di-n-octyl phthalate	0 / 1	-	-	5 - 5	215	NA	-	N	B
Diphenylamine	0 / 1	-	-	5 - 5	NA	NA	-	N	B
Hexachlorobenzene	0 / 1	-	-	5 - 5	0.15	NA	-	N	B
Hexachlorobutadiene	0 / 1	-	-	5 - 5	1	NA	-	N	B
Hexachlorocyclopentadiene	0 / 1	-	-	5 - 5	0.45	NA	-	N	B
Hexachloroethane	0 / 1	-	-	5 - 5	12	NA	-	N	B
Isophorone	0 / 1	-	-	5 - 5	920	NA	-	N	B
n-Nitrosodi-n-propylamine	0 / 1	-	-	5 - 5	NA	NA	-	N	B
o-Cresol	0 / 1	-	-	5 - 5	67	NA	-	N	B
p-Chloroaniline	0 / 1	-	-	5 - 5	0.8	NA	-	N	B
Pentachlorophenol	0 / 1	-	-	10 - 10	15	NA	-	N	B
Phenol	0 / 1	-	-	5 - 5	160	NA	-	N	B
VOCs (ug/L)									
1,1,1-Trichloroethane	0 / 4	-	-	1 - 5	76	NA	-	N	B
1,1,2,2-Tetrachloroethane	0 / 4	-	-	1 - 5	200	NA	-	N	B
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	0 / 1	-	-	5 - 5	NA	NA	-	N	B
1,1,2-Trichloroethane	0 / 4	-	-	1 - 5	730	NA	-	N	B
1,1-Dichloroethane	0 / 4	-	-	1 - 5	410	NA	-	N	B

Table 13
Ecological COPC Screening: Surface Water
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent	Detection Frequency	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	EPA R4 ESV	Max Hazard Quotient (HQ)	Frequency of Detections Exceeding ESV	PCOPC Flag (Y/N)	Basis
1,1-Dichloroethene	0 / 4	-	-	1 - 5	130	NA	-	N	B
1,2,3-Trichlorobenzene	0 / 1	-	-	5 - 5	8	NA	-	N	B
1,2,4-Trichlorobenzene	0 / 1	-	-	5 - 5	130	NA	-	N	B
1,2-Dibromo-3-chloropropane	0 / 1	-	-	5 - 5	NA	NA	-	N	B
1,2-Dichlorobenzene	0 / 1	-	-	5 - 5	23	NA	-	N	B
1,2-Dichloroethane	0 / 4	-	-	1 - 5	2000	NA	-	N	B
1,2-Dichloroethene	0 / 3	-	-	2 - 2	970	NA	-	N	B
1,2-Dichloropropane	0 / 4	-	-	1 - 5	520	NA	-	N	B
1,3-Dichlorobenzene	0 / 1	-	-	5 - 5	22	NA	-	N	B
1,3-Dichloropropene	0 / 3	-	-	1 - 1	1.7	NA	-	N	B
1,4-Dichlorobenzene	0 / 1	-	-	5 - 5	9.4	NA	-	N	B
2-Butanone	0 / 4	-	-	5 - 10	22000	NA	-	N	B
2-Hexanone	0 / 4	-	-	5 - 10	99	NA	-	N	B
4-Methyl-2-pentanone	0 / 4	-	-	5 - 10	170	NA	-	N	B
Acetone	0 / 4	-	-	5 - 10	1700	NA	-	N	B
Benzene	0 / 4	-	-	1 - 5	160	NA	-	N	B
Bromodichloromethane	0 / 4	-	-	1 - 5	340	NA	-	N	B
Bromoform	0 / 4	-	-	1 - 5	230	NA	-	N	B
Carbon disulfide	1 / 4	5.1 - 5.1	ISW-202-01A	5 - 5	15	0.34	0 / 4	N	B
Carbon tetrachloride	0 / 4	-	-	1 - 5	77	NA	-	N	B
Chlorobenzene	0 / 4	-	-	1 - 5	25	NA	-	N	B
Chlorobromomethane	0 / 1	-	-	5 - 5	NA	NA	-	N	B
Chloroethane	0 / 4	-	-	1 - 5	NA	NA	-	N	B
Chloroform	0 / 4	-	-	1 - 5	140	NA	-	N	B
cis-1,2-Dichloroethene	0 / 1	-	-	5 - 5	620	NA	-	N	B
cis-1,3-Dichloropropene	0 / 4	-	-	1 - 5	1.7	NA	-	N	B
Cyclohexane	0 / 1	-	-	5 - 5	158	NA	-	N	B
Dibromochloromethane	0 / 4	-	-	1 - 5	320	NA	-	N	B
Dichlorodifluoromethane (Freon 12)	0 / 1	-	-	5 - 5	NA	NA	-	N	B
Ethylbenzene	0 / 4	-	-	1 - 5	61	NA	-	N	B
Ethylene dibromide	0 / 1	-	-	5 - 5	NA	NA	-	N	B
Isopropylbenzene (Cumene)	0 / 1	-	-	5 - 5	4.8	NA	-	N	B
m,p-Xylenes	0 / 1	-	-	5 - 5	27	NA	-	N	B
Methyl acetate	0 / 1	-	-	5 - 5	NA	NA	-	N	B
Methyl bromide	0 / 4	-	-	1 - 5	16	NA	-	N	B
Methyl chloride	0 / 4	-	-	1 - 5	NA	NA	-	N	B

Table 13
Ecological COPC Screening: Surface Water
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

Constituent	Detection Frequency	Range of Detections	Location of Maximum Concentration	Range of DLs for NDs	EPA R4 ESV	Max Hazard Quotient (HQ)	Frequency of Detections Exceeding ESV	PCOPC Flag (Y/N)	Basis
Methyl tert-butyl ether	0 / 1	-	-	5 - 5	730	NA	-	N	B
Methylcyclohexane	0 / 1	-	-	5 - 5	52	NA	-	N	B
Methylene chloride	0 / 4	-	-	5 - 5	1500	NA	-	N	B
o-Xylene	0 / 1	-	-	5 - 5	27	NA	-	N	B
Styrene	0 / 4	-	-	1 - 5	32	NA	-	N	B
Tetrachloroethene	0 / 4	-	-	1 - 5	53	NA	-	N	B
Toluene	0 / 4	-	-	1 - 5	62	NA	-	N	B
trans-1,2-Dichloroethene	0 / 1	-	-	5 - 5	558	NA	-	N	B
trans-1,3-Dichloropropene	0 / 1	-	-	5 - 5	1.7	NA	-	N	B
Trichloroethene	0 / 4	-	-	1 - 5	220	NA	-	N	B
Trichlorofluoromethane (Freon 11)	0 / 1	-	-	5 - 5	NA	NA	-	N	B
Vinyl chloride	0 / 4	-	-	1 - 5	930	NA	-	N	B
Xylene, Total	0 / 3	-	-	3 - 3	27	NA	-	N	B

Notes:
Surface water samples used to evaluate site-related impact were collected from drainage ditches south of the site.
Background sample locations for surface water include: ISW-004, ISW-005, and ISW-006.
Individual results for the samples included in this evaluation are provided in an appendix to this report.
EPA Region 4 ESV - EPA Region 4 Ecological Screening Value taken from Table 1a of the EPA Region 4 Ecological Risk Assessment Supplemental Guidance (March 2018 Update).
NA - No available
ND- Nondetect
DL - Detection Limit
PCOPC - Preliminary Constituent of Potential Concern
Basis:
A = Maximum detected concentration exceeds the Region 4 ESV.
B = Constituent was not a PCOPC based on one of the following:
Maximum detected concentration is less than the Region 4 ESV.
No Region 4 ESV was available.
Chemical was not detected.
*Calcium detected concentration of 120 mg/L was similar to the ESV of 116 mg/L. There is no acute freshwater screening value for calcium.

Table 14
Preliminary Objectives of the RI/FS
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

NUMBER	RI/FS OBJECTIVES*
1	Collect sufficient environmental data to support the BLRA and selection of a remedy.
2	For each known or potential contaminant source area, determine whether a release to the environment of hazardous substances, pollutants or contaminants has occurred, as defined by the NCP, and determine the nature and extent of contamination associated with any such releases.
3	Based on operational history, disposal history, spill records, observation, sampling results, or other means of detection, identify all additional releases or threatened releases of hazardous substances, pollutants or contaminants to the environment.
4	Determine the nature and spatial extent of contamination in all media including air, groundwater, soil, surface water, and sediment.
5	Identify active releases and imminent releases of hazardous substances which may warrant Removal Actions.
6	Identify opportunities for source control measures, early remedial actions and removal actions.
7	Identify all Federal and State applicable or relevant and appropriate requirements (ARARs).
8	Identify human and ecological receptors for all media. Conduct a well survey within a three mile radius of the Site including water uses, well construction methods used, the number and age of users, and the volume and rate of water usage. Conduct a surface water use survey of Rocky Creek from Houston Road to the Ocmulgee River including human and ecological receptors. Delineate wetlands from Houston Road to the Ocmulgee River to the extent not performed at Operable Unit 2 of the AWI Site.
9	Refine, in consultation with the EPA and GAEPD, the Remedial Action Objectives for the Site.
10	Identify and screen potential treatment technologies along with containment and disposal requirements for residual or untreated impacted media. Develop a full range of Remedial Action Alternatives and screen alternatives.
11	Conduct bench or pilot Treatability Studies, as necessary, to support evaluation of remedial alternatives.

Table 14
Preliminary Objectives of the RI/FS
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

NUMBER	SITE MANAGEMENT STRATEGY*
1	A complete investigation of the Site including any and all off-site areas where hazardous substances, pollutants or contaminants from the Site have, may have, or will come to be located.
2	Identification of other Potentially Responsible Parties, if applicable.
3	EPA oversight, in consultation with GAEPD, of the Performing Respondents' conduct of the work (i.e., the RI/FS and any response action) to ensure compliance with applicable laws, regulations and guidance and to ensure that the work proceeds in a timely fashion.
4	Performing Respondents preparation of the Baseline Risk Assessment.
5	EPA management of the Remedy Selection and Record of Decision phase with input from state agencies, Natural Resource Trustees and the public (including the Performing Respondents).

NUMBER	PRELIMINARY REMEDIAL ACTION OBJECTIVES*
1	Return the groundwater to its beneficial uses, wherever practicable, within a reasonable time frame, except where beneficial uses are restricted by means acceptable to EPA.
2	To the extent affected by the Site, return the surface water, surface water sediments and associated wetlands, to their beneficial use, including ecological uses.
3	Prevent exposure to contaminated groundwater, surface water, soils, subsurface soil, sediments, and soil gases above acceptable human health and ecological risk levels.
4	Prevent or minimize further migration of contaminants in all media.
	Eliminate or otherwise control sources of contamination at or from the Site.
5	Prevent exposure to indoor air contaminated by soil vapors in excess of risk-based levels.
6	Treat or eliminate media contaminated with high levels of hazardous substances, pollutants, or contaminants.
7	Mitigate or abate, not inconsistent with the NCP, other situations or factors that may pose a threat to public health, welfare, or the environment.

*The objectives of the RI/FS, site management strategy and preliminary remedial objectives were outlined by EPA in Section 3 of the Statement of Work (SOW).

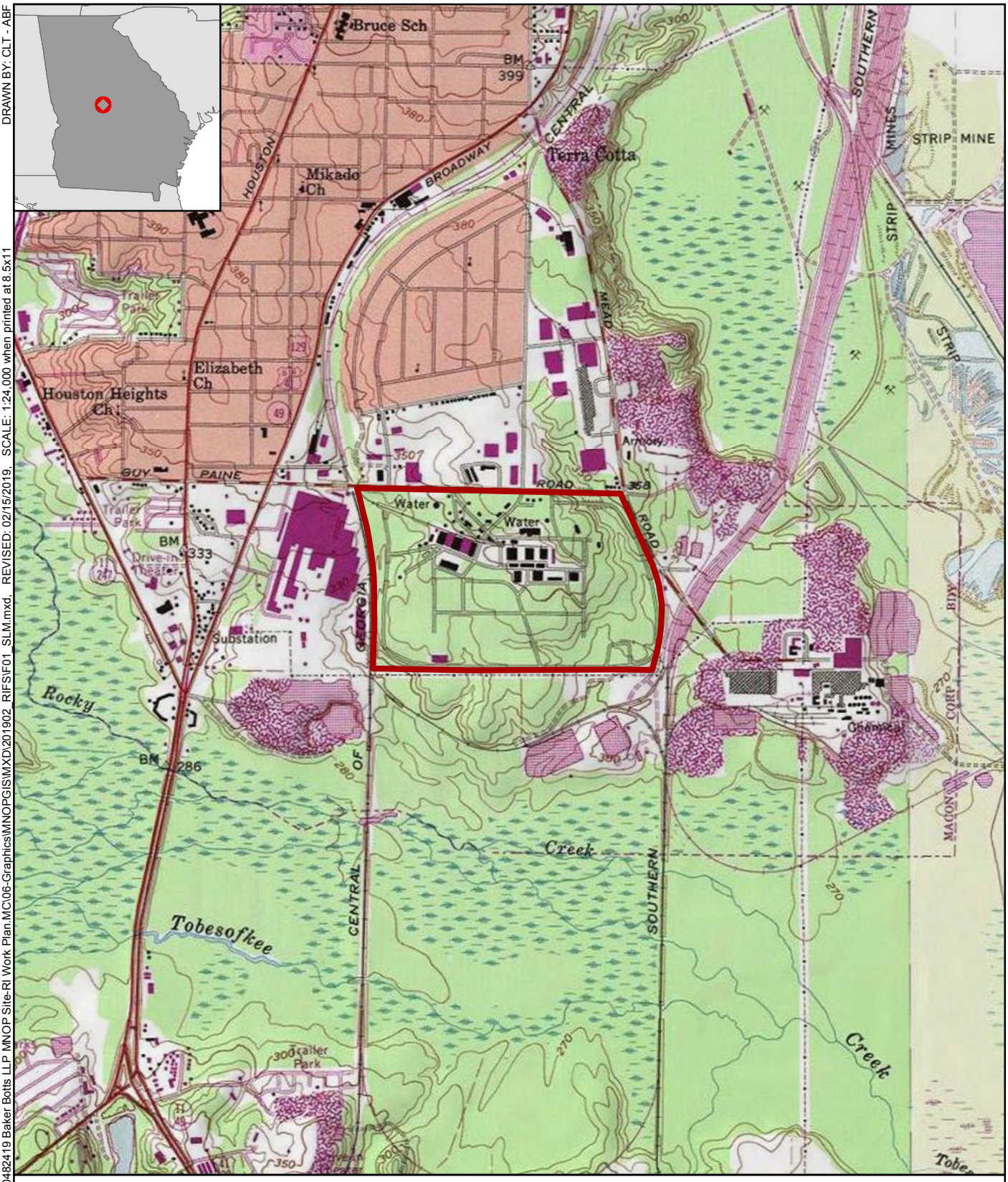
Table 15
Preliminary List of Technologies For Consideration
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

PRELIMINARY LIST OF TECHNOLOGIES	DATA REQUIRED FOR EVALUATION
Technologies under consideration for unsaturated soil	
Soil vapor extraction	Depth to groundwater Soil type Contaminant concentration Pilot test
Excavation	Depth to groundwater Soil type Contaminant concentration
Stabilization	Depth to groundwater Soil type Contaminant concentration Bench test
Capping	Soil type
Chemical oxidation	Depth to groundwater Soil type Contaminant concentration Background oxidant demand Bench test
Chemical reduction	Depth to groundwater Soil type Contaminant concentration Bench test
In-situ stabilization	Depth to groundwater Soil type Contaminant concentration Bench test
Bioremediation	Depth to groundwater Soil type Contaminant concentration Pilot test
Thermal remediation	Depth to groundwater Soil type Contaminant concentration

Table 15
Preliminary List of Technologies For Consideration
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

PRELIMINARY LIST OF TECHNOLOGIES	DATA REQUIRED FOR EVALUATION
Technologies under consideration for groundwater	
Air sparge	Thickness of saturated treatment zone Soil type Contaminant concentration Pilot test
Bioremediation	Thickness of saturated treatment zone Soil type Contaminant concentration ORP/DO/pH and competing electron acceptor concentrations Hydraulic conductivity Groundwater velocity Pilot test
Chemical oxidation	Thickness of saturated treatment zone Soil type Contaminant concentration Hydraulic conductivity Groundwater velocity Background oxidant demand Pilot test
Chemical reduction	Thickness of saturated treatment zone Soil type Contaminant concentration Hydraulic conductivity Groundwater velocity Bench test
Extraction (multi-phase or high vacuum)	Thickness of saturated treatment zone Soil type Contaminant concentration Hydraulic conductivity Groundwater velocity Pilot test
Hydraulic containment	Thickness of saturated treatment zone Soil type Contaminant concentration Hydraulic conductivity Groundwater velocity 48-hr aquifer test
Thermal remediation	Thickness of saturated treatment zone Soil type Contaminant concentration Hydraulic conductivity Groundwater velocity

FIGURES



Legend

Site Boundary

N

0 3,000

Feet

1:24,000 1 inch = 2,000 feet

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Figure 1
Site Location Map
RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

Source: USA Topo Maps Copyright:© 2013 National Geographic Society, i-cubed

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\\usatldc01\data\Atlanta\Projects\0482419 Baker Botts LLP MNOP Site-RI Work Plan.MC\06-Graphics\MNOPGIS\MXD\201902_RIFS\F01_SLM.mxd, REVISED: 02/15/2019, SCALE: 1:24,000 when printed at 8.5x11

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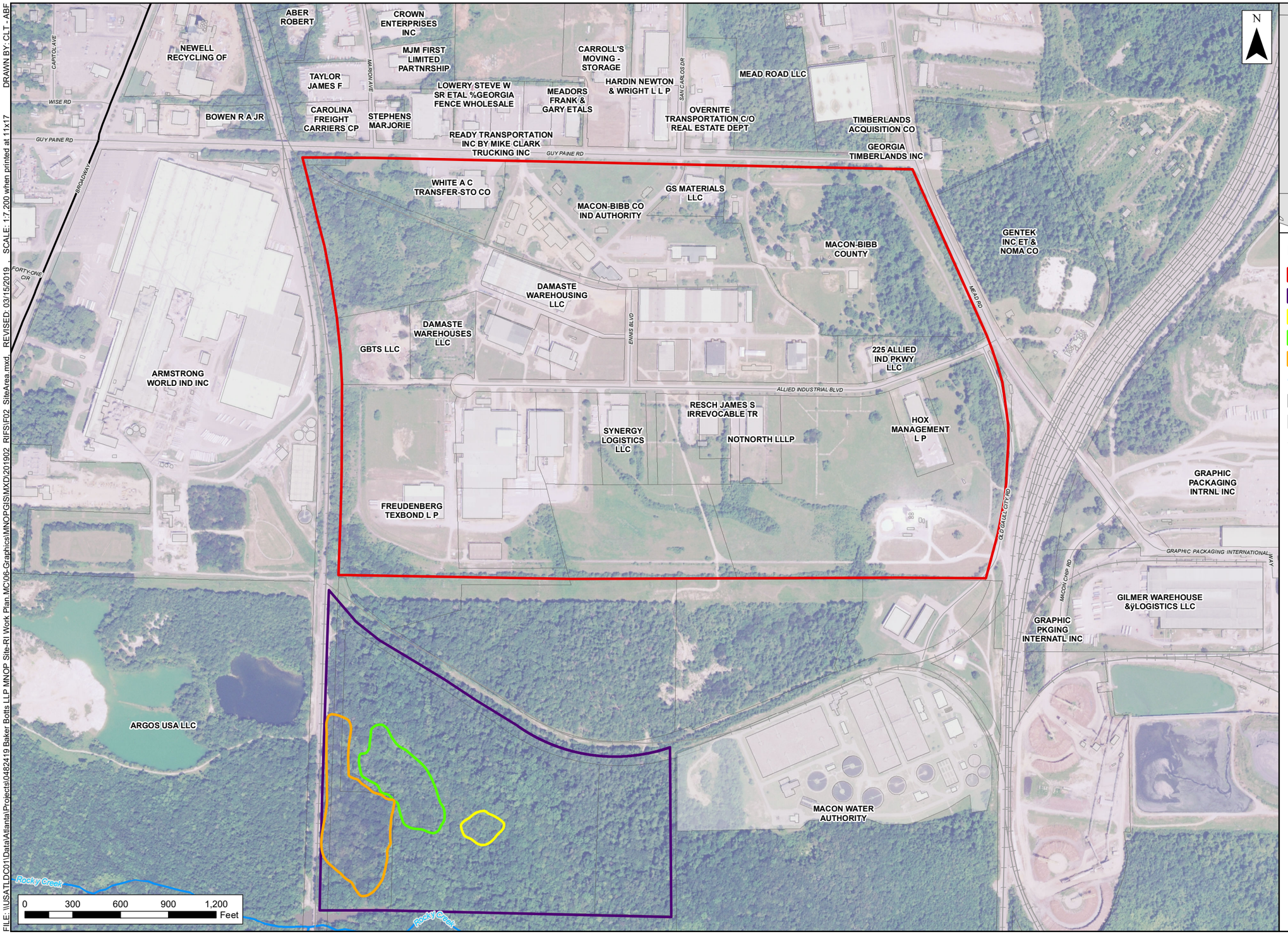

Legend

- Site Boundary
- AWI Site OU-2
- Explosive Demo Area (Approx)
- FMNOL (approx)
- Remote Landfill (Approx)
- River / Stream (4)
- Parcels
- Buildings
- Railroads

Source: , Bibb County GIS

Figure 2
Site Surroundings
RI/FS Work Plan
Macon Naval Ordinance
Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
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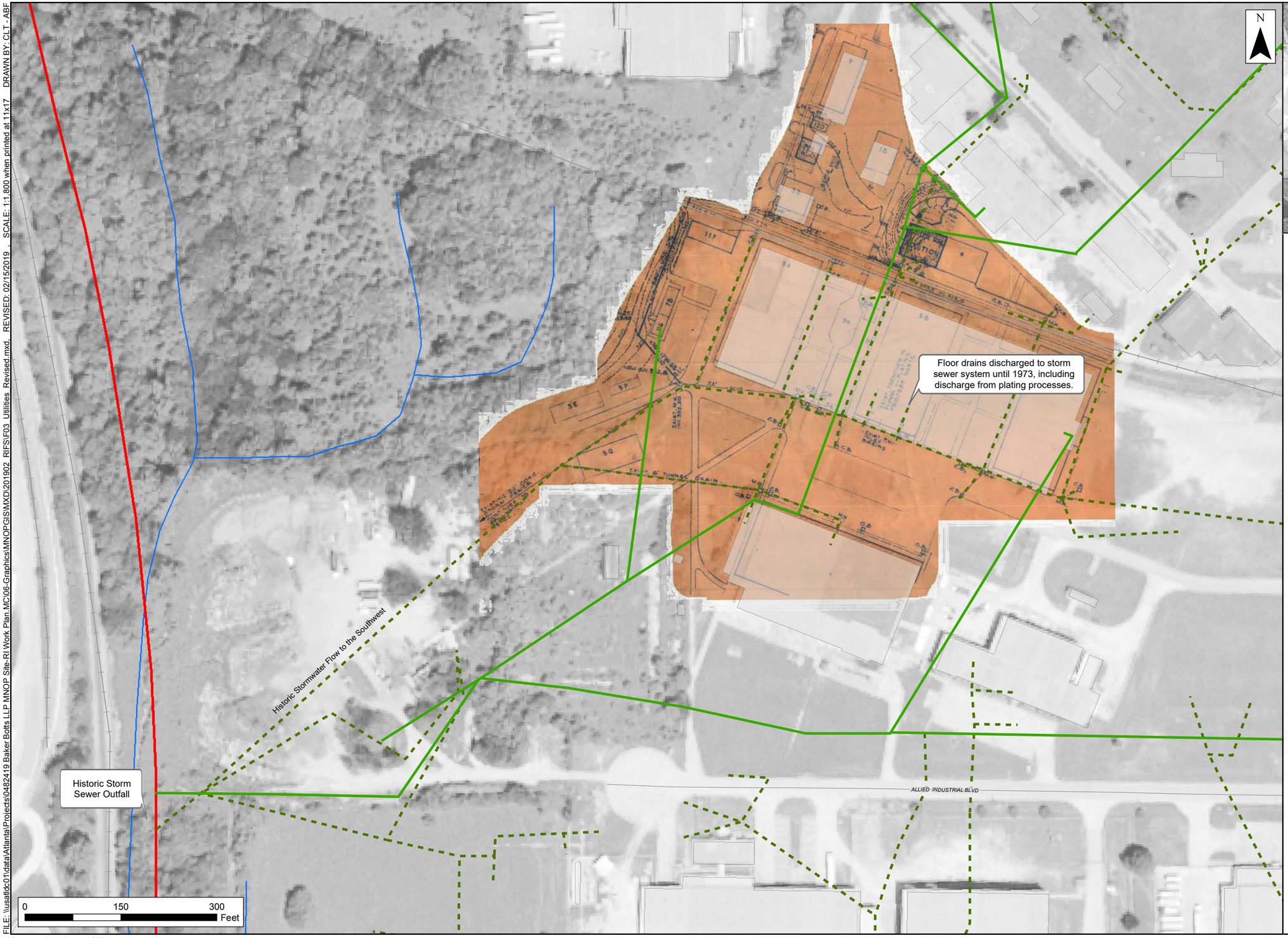
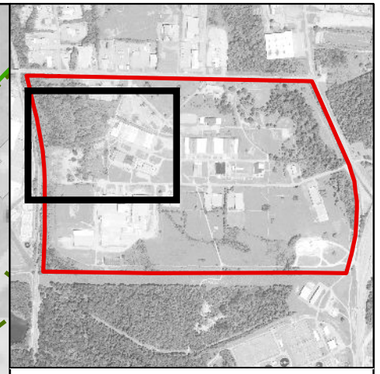
FILE: \\usatldc01\data\Atlanta\Projects\0482419 Baker Botts LLP MNOP Site-RI Work Plan.MC\06-Graphics\MNOPGIS\MXD\201902_RIFS\F03_Utilities_Revised.mxd, REVISED: 02/15/2019 , SCALE: 1:1,800 when printed at 11x17 DRAWN BY: CLT - ABF





Legend

- Site Boundary
- Site Drainage
- Sanitary Sewer
- Storm Drain

Source: , Bibb County GIS

Figure 3
Site Utility Map
Former Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

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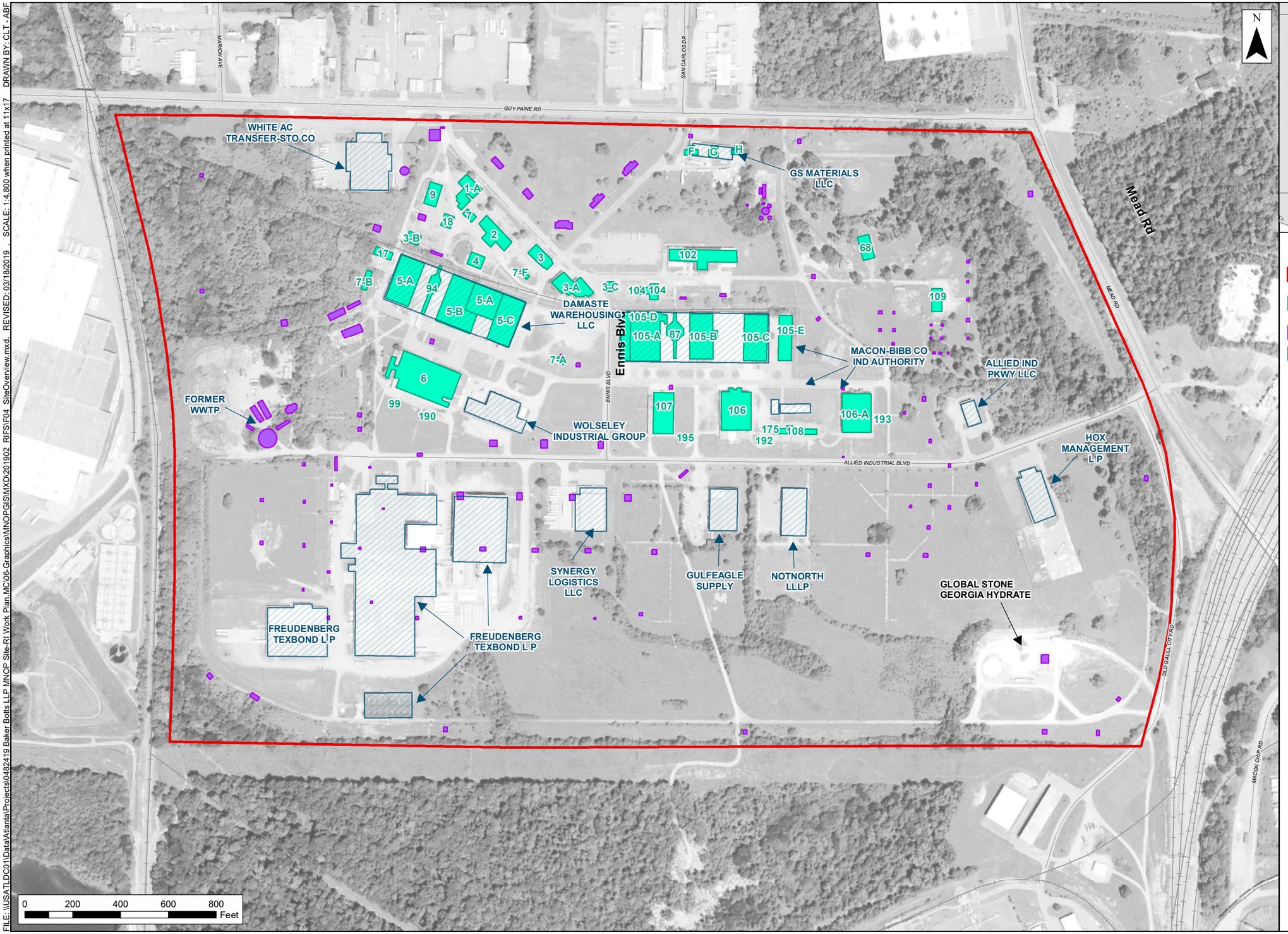

Legend

- Site Boundary
- Macon Naval Ordinance Plant Structure
- Previous Bunker/Outbuilding
- Bulding added post 1980

Figure 4
Site Overview
RI/FS Work Plan
Macon Naval Ordinance
Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
www.erm.com

Source: , Bibb County GIS

FILE: \\USATLDC01\Data\Atlanta\Projects\04824\19 Baker Botts LLP MNOP Site-RI Work Plan.MC\06-Graphics\MNOPGIS\MXD\201902_RIFSIF04_SiteOverview.mxd, REVISED: 03/18/2019 , , SCALE: 1:4,800 when printed at 11x17 DRAWN BY: CLT - ABF

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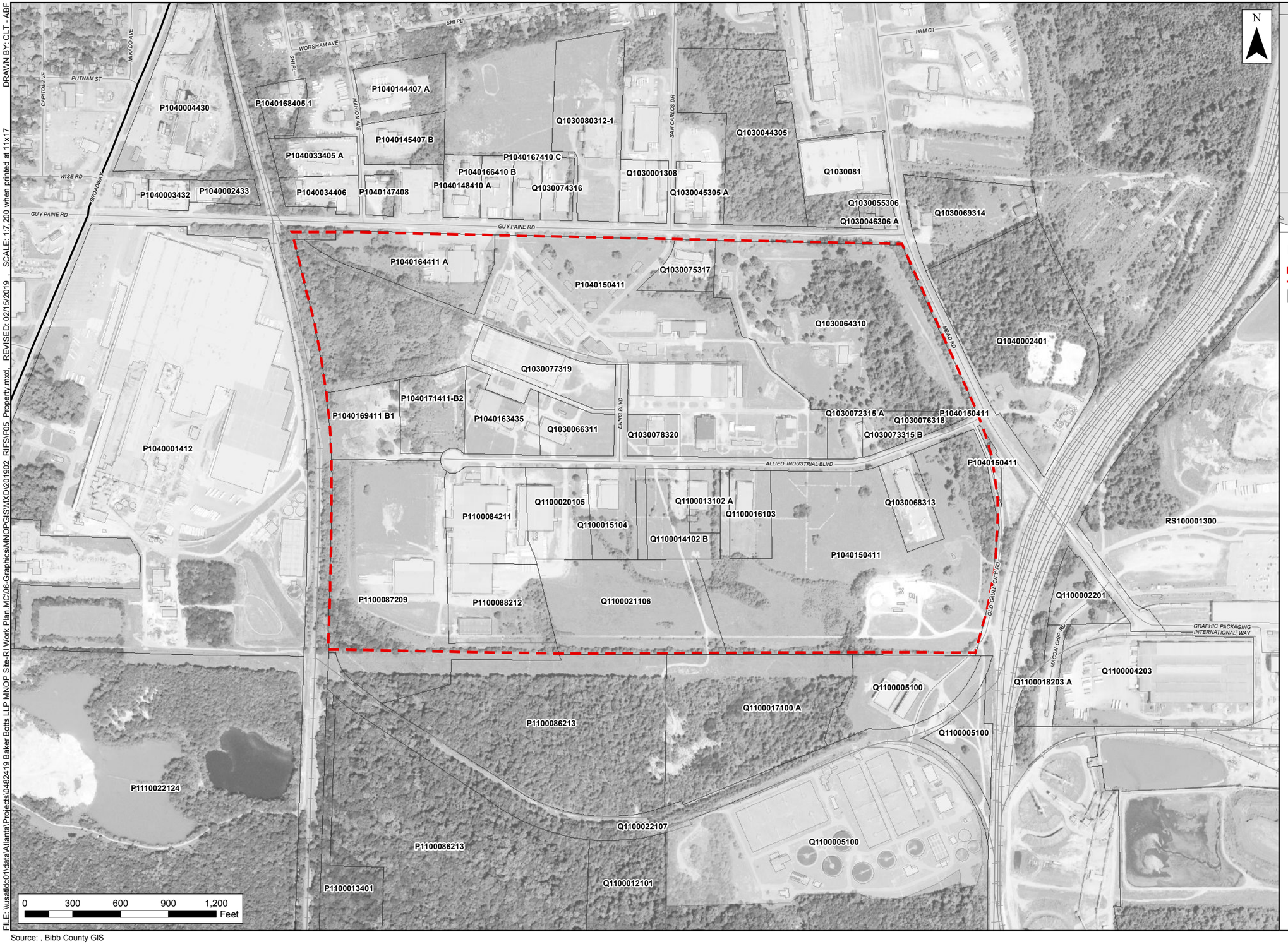

Legend

- Site Boundary
- Parcel Boundary

Source: , Bibb County GIS

Figure 5
Property Map
RI/FS Work Plan
Macon Naval Ordinance
Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
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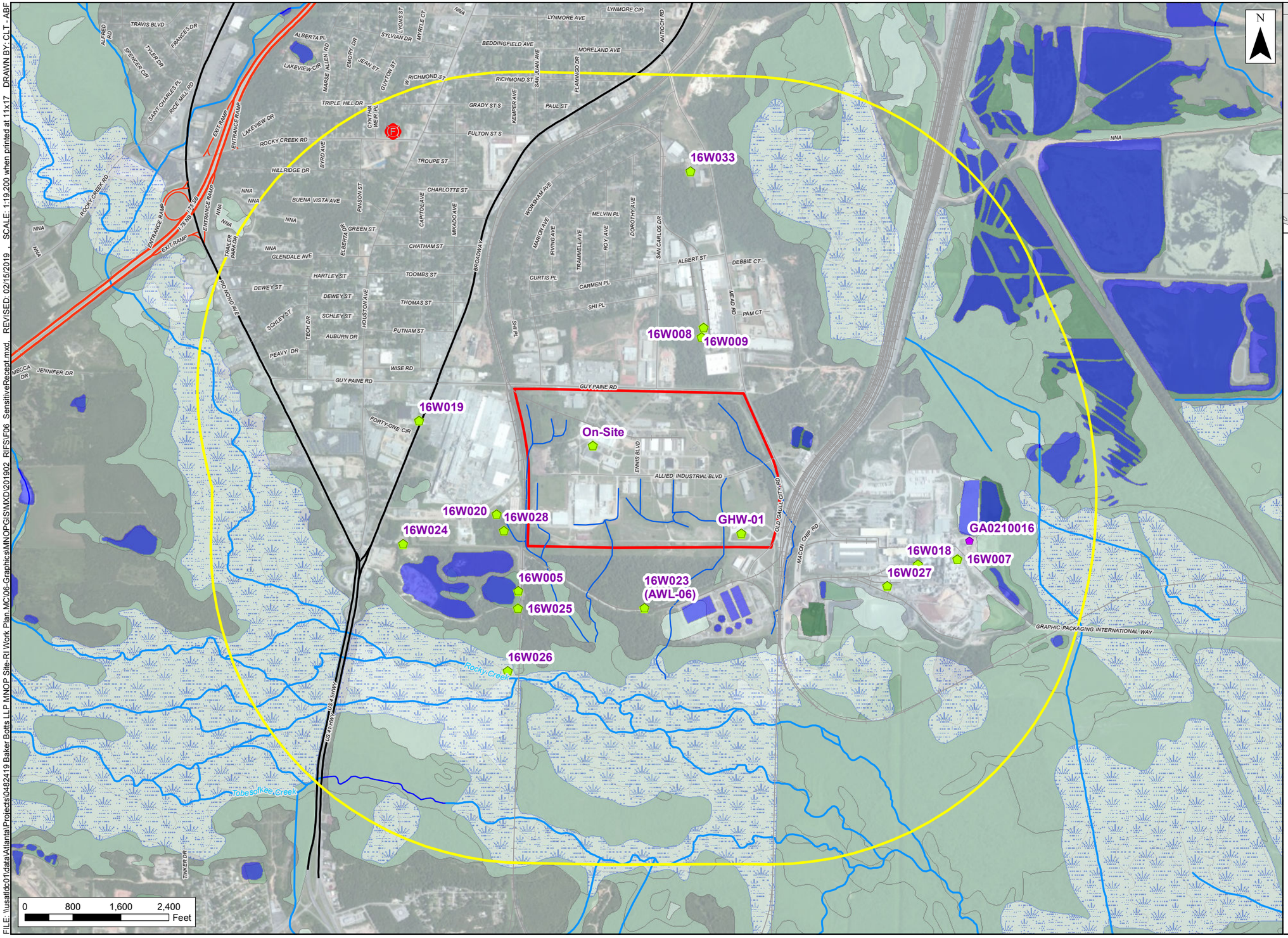
FILE: \\usatldc01\data\Atlanta\Projects\0482419 Baker Botts LLP MNOP Site-RI Work Plan.MC\06-Graphics\MNOPGIS\MXD\201902_RIFS\F06_SensitiveRecept.mxd, REVISED: 02/15/2019 , SCALE: 1:19,200 when printed at 11x17 DRAWN BY: CLT - ABF



Legend

- Site Boundary
- SiteDrainage
- 1 Mile Radius

Supply Wells

- Industrial Supply
- Public Supply

Structures Inventory

- Emergency Response and Law Enforcement (1)

National Hydro Dataset

- Surface Water (79)
- Swamp / Marsh (15)
- River / Stream (67)
- Artificial Path (5)

National Wetlands Inventory

- Freshwater Emergent Wetland (21)
- Freshwater Forested/Shrub Wetland (107)
- Freshwater Pond (33)
- Lake (4)
- Other (4)

Figure 6
Sensitive Receptor Map
RI/FS Work Plan
Macon Naval Ordinance
Plant Superfund Site
Bibb County, Georgia

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Source: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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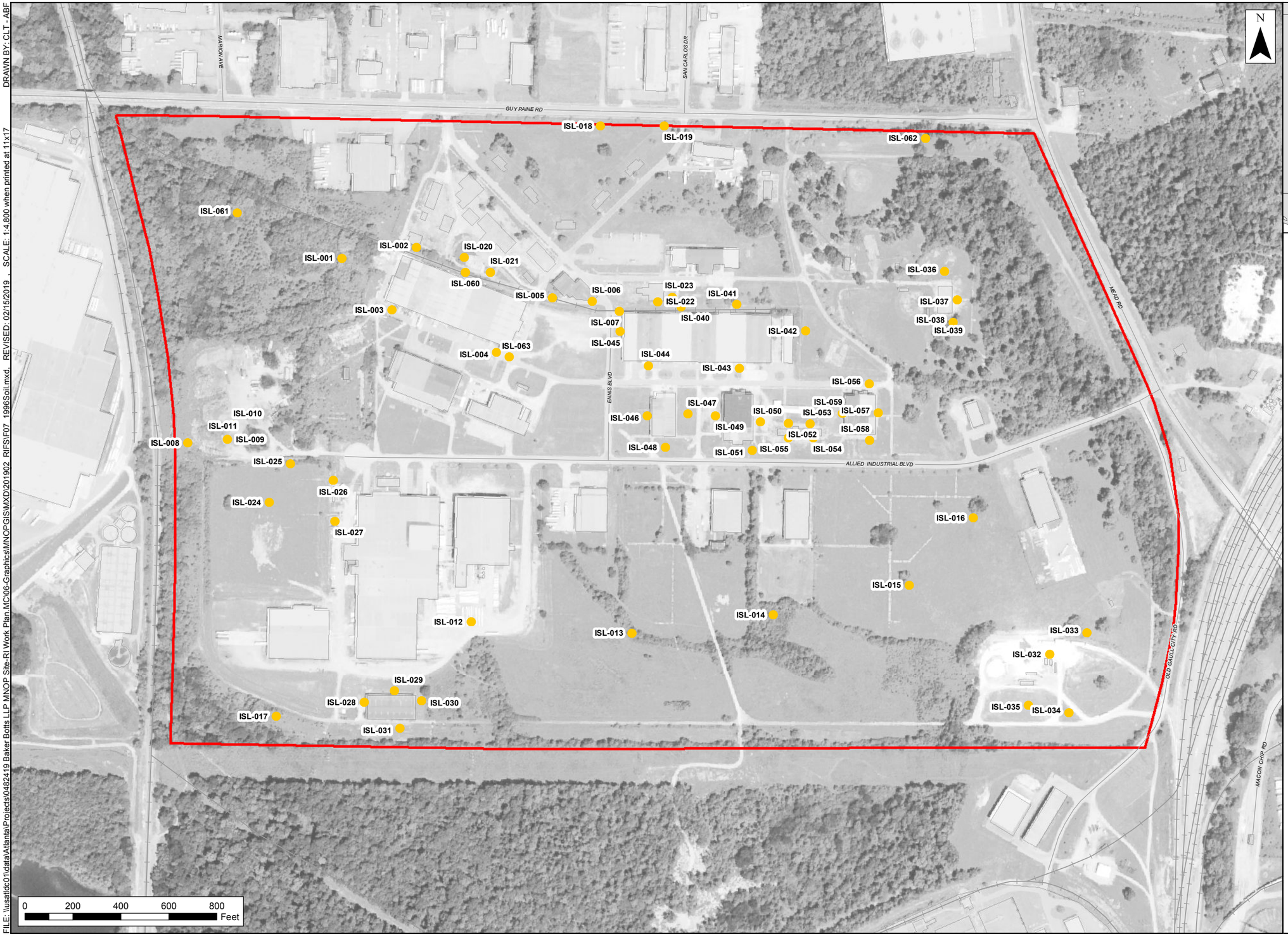

Legend

Site Boundary

Soil Sample Locations

1996

Source: , Bibb County GIS

Figure 7
1996 Soil Sample Locations
RI/FS Work Plan
Macon Naval Ordinance
Plant Superfund Site
Bibb County, Georgia

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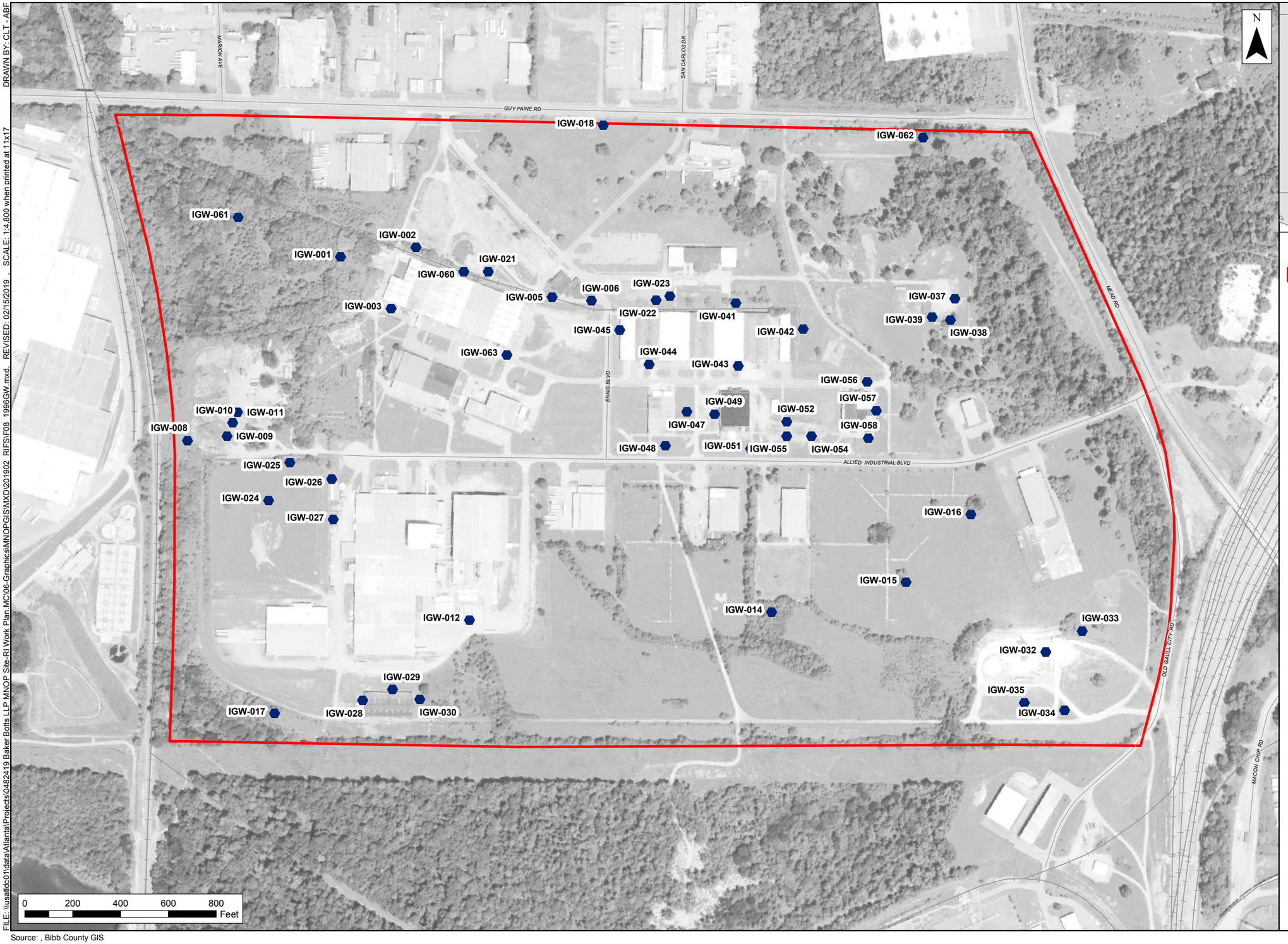

Legend

Site Boundary

Groundwater Locations

1996

Source: , Bibb County GIS

Figure 8

1996 DPT Groundwater Sample Locations

RI/FS Work Plan
Macon Naval Ordinance
Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
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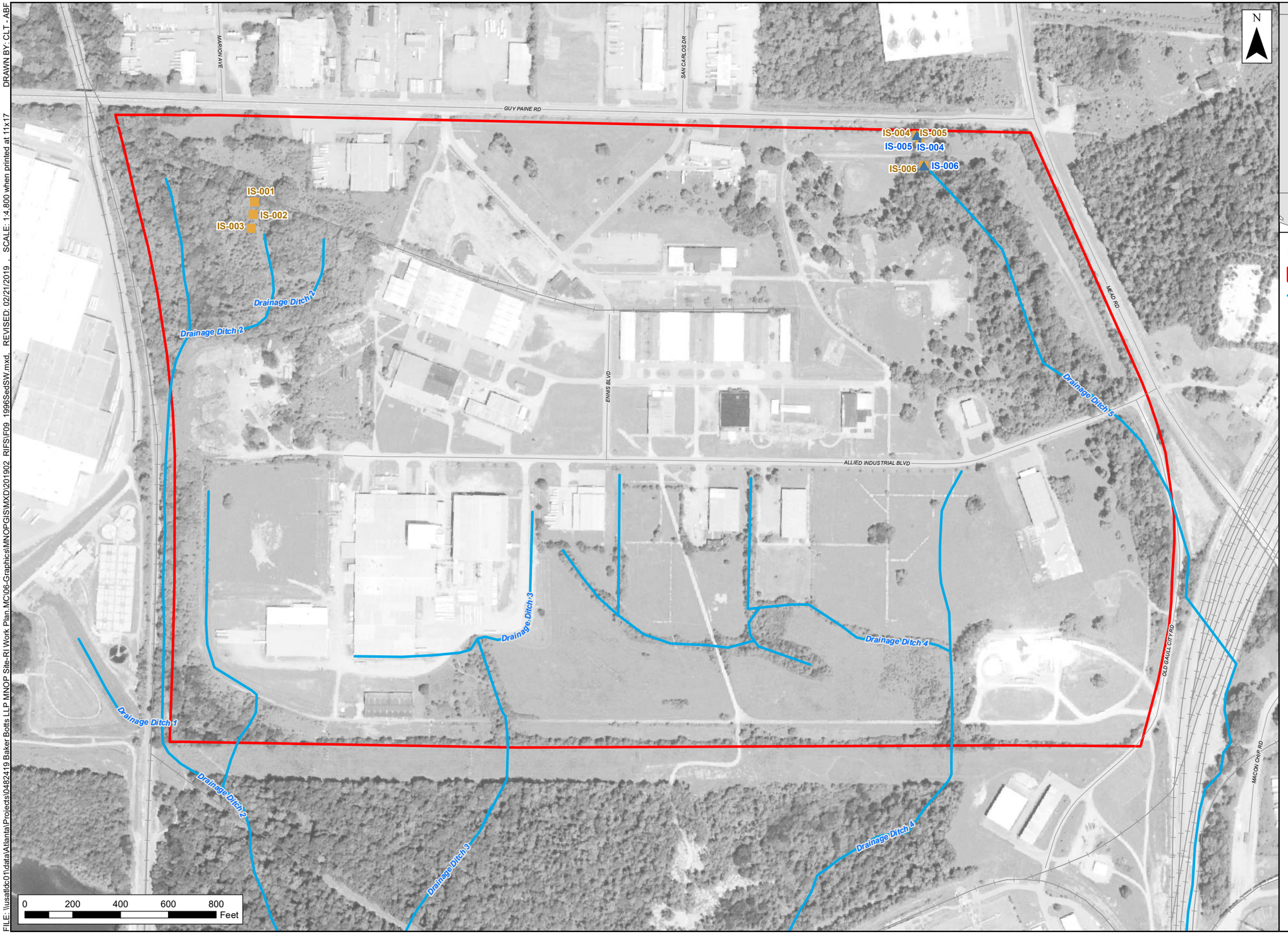

Legend

- Site Boundary
- Site Drainage

Sediment Locations

- 1996

Surface Water Locations

- 1996

Source: , Bibb County GIS

Figure 9

1996 Surface Water & Sediment Sample Locations

RI/FS Work Plan
Macon Naval Ordinance
Plant Superfund Site
Bibb County, Georgia

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FILE: \\usatlc01\data\Atlanta\Projects\0482419 Baker Botts LLP MNOP Site-RI Work Plan MC\06-Graphics\MNOPGIS\MXD\201902_RIFS\F10_1998SurSoil.mxd, REVISED: 02/15/2019 , SCALE: 1:4,800 when printed at 11x17
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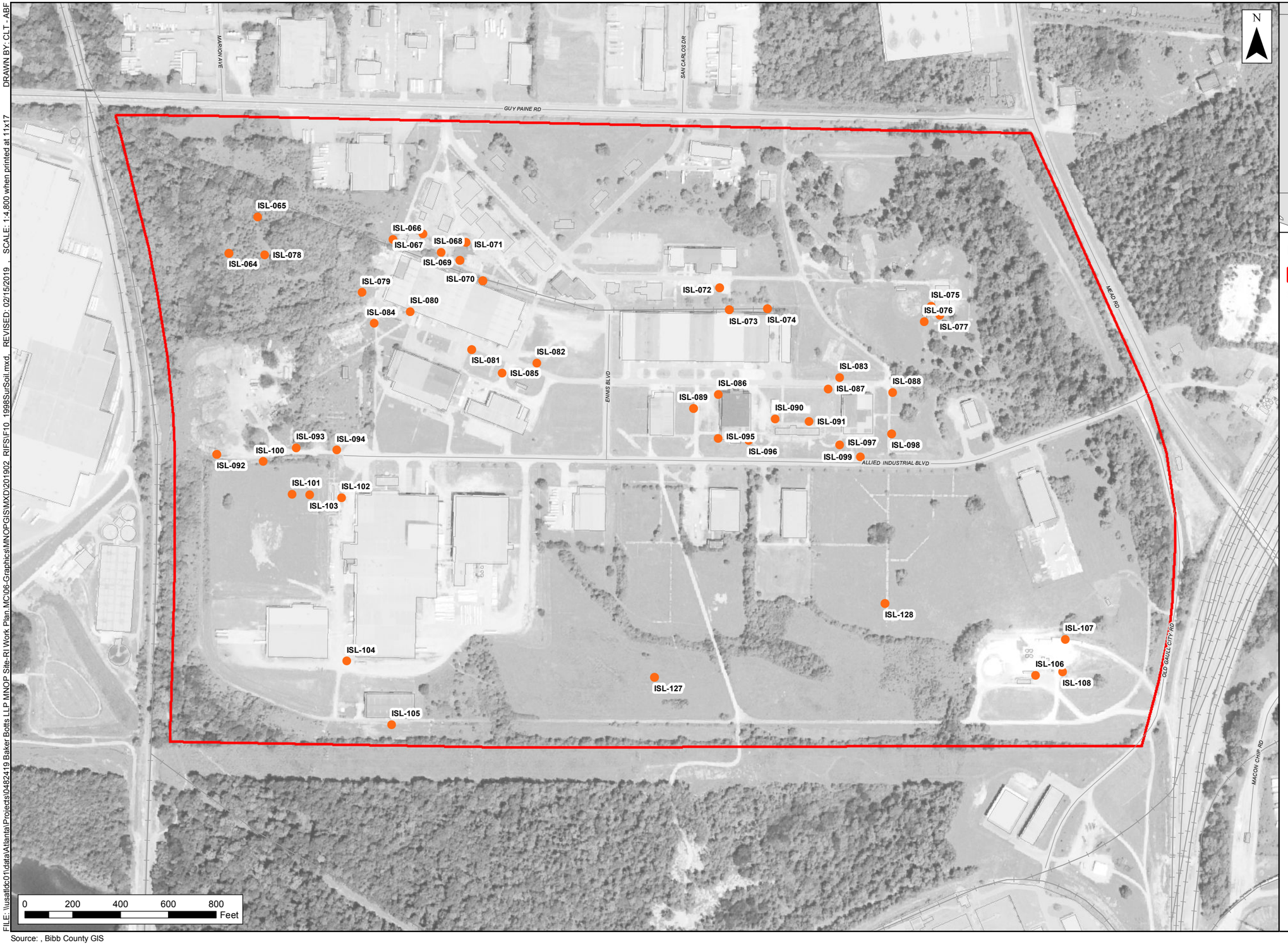

Legend

Site Boundary

Soil Sample Locations (< 1 ft)

1998

Source: , Bibb County GIS

Figure 10

1998 Surface Soil Sample Locations

RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
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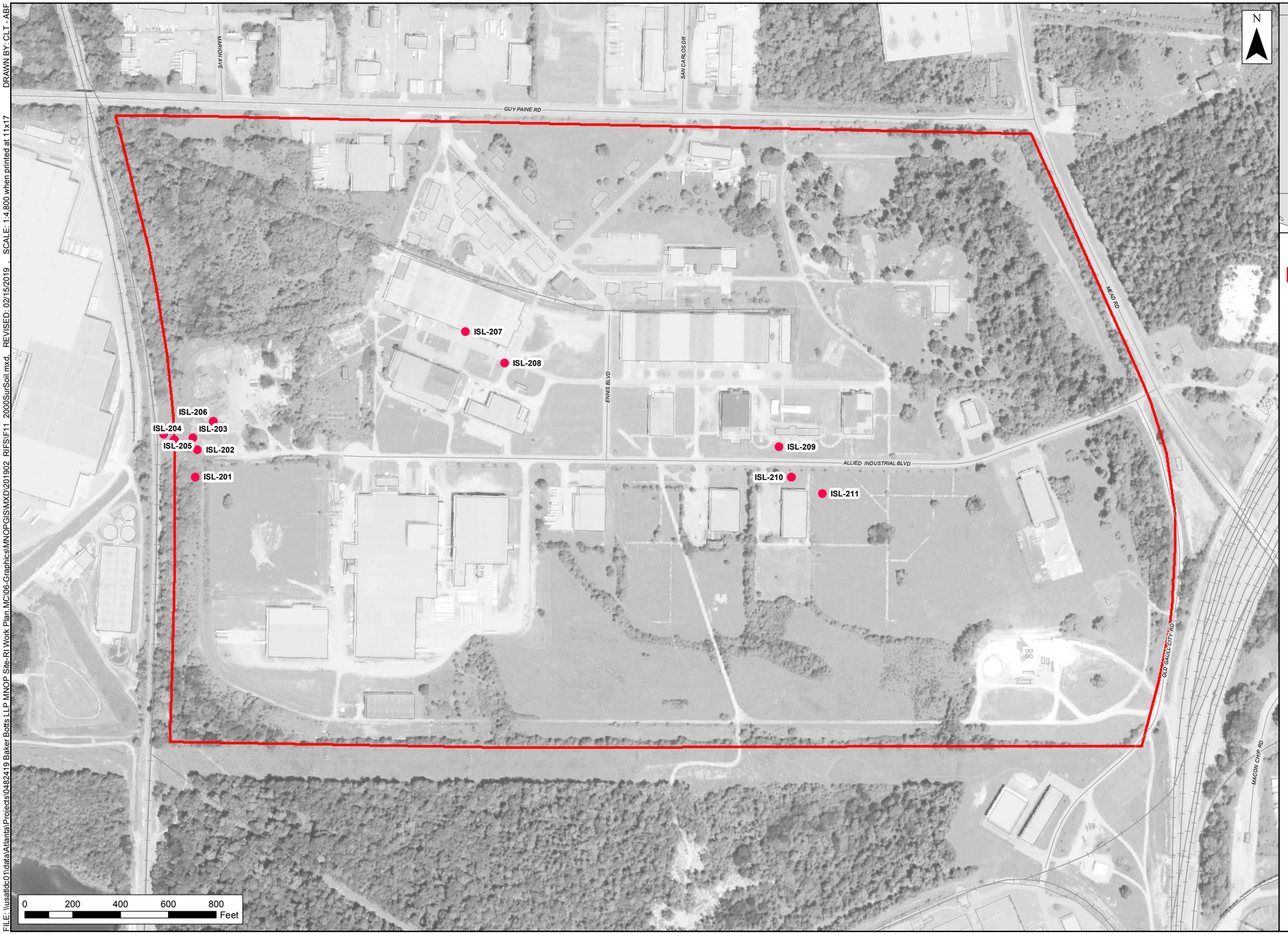

Legend

Site Boundary

Soil Sample Locations (< 2 ft)

2000

Figure 11
2000 Surface Soil Sample Locations

RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
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Source: , Bibb County GIS

FILE: \\usatlc01\data\Atlanta\Projects\0482419 Baker Botts LLP MNOP Site-RI\Work Plan MC\06-Graphics\MNOPGIS\MXD\201902_RIFS\F11_2000SurSoil.mxd, REVISED: 02/15/2019 , SCALE: 1:4,800 when printed at 11x17

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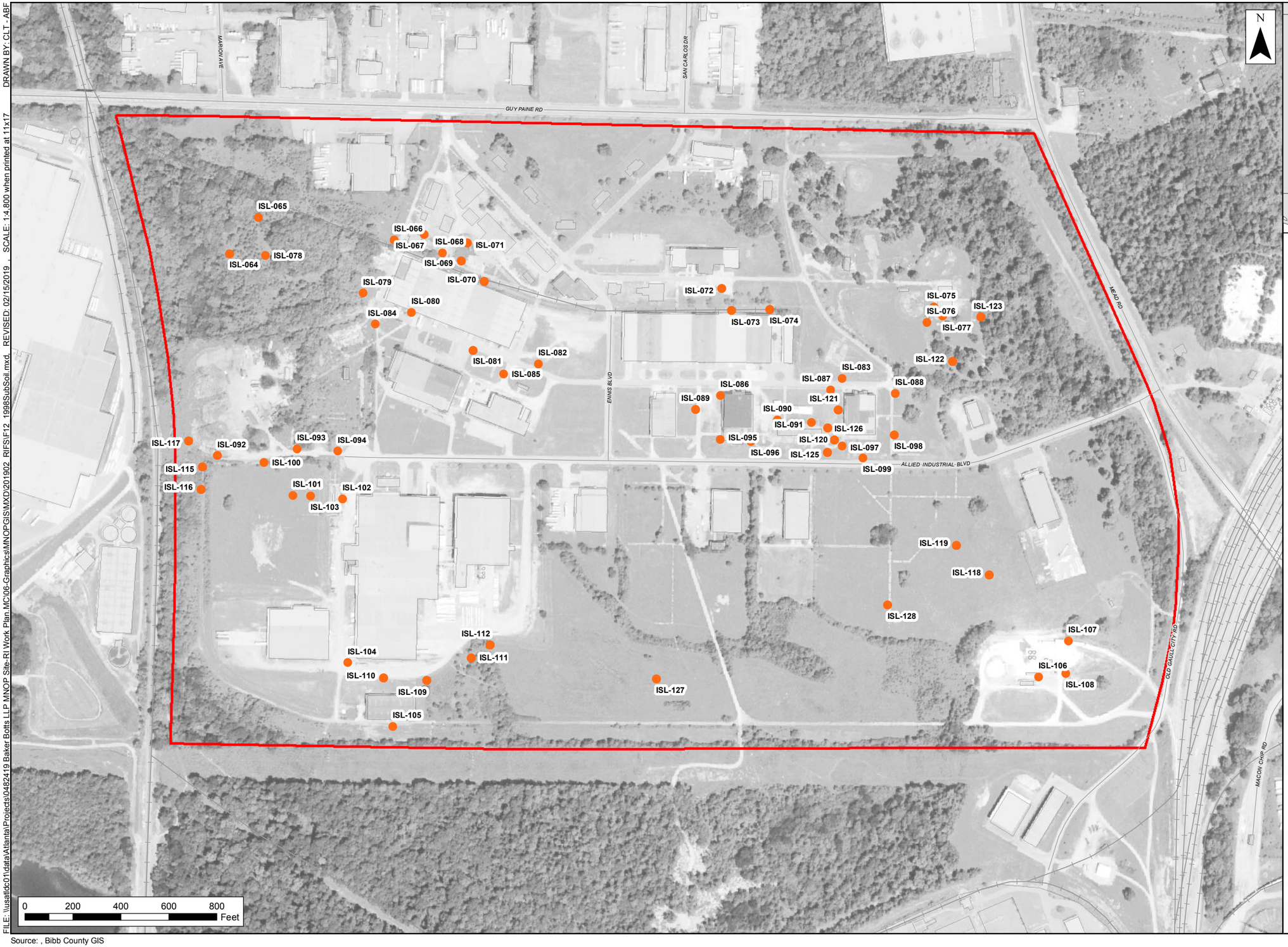

Legend

Site Boundary

Soil Sample Locations (> 1 ft)

- 1998

Source: , Bibb County GIS

Figure 12

1998 Subsurface Soil Sample Locations

RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
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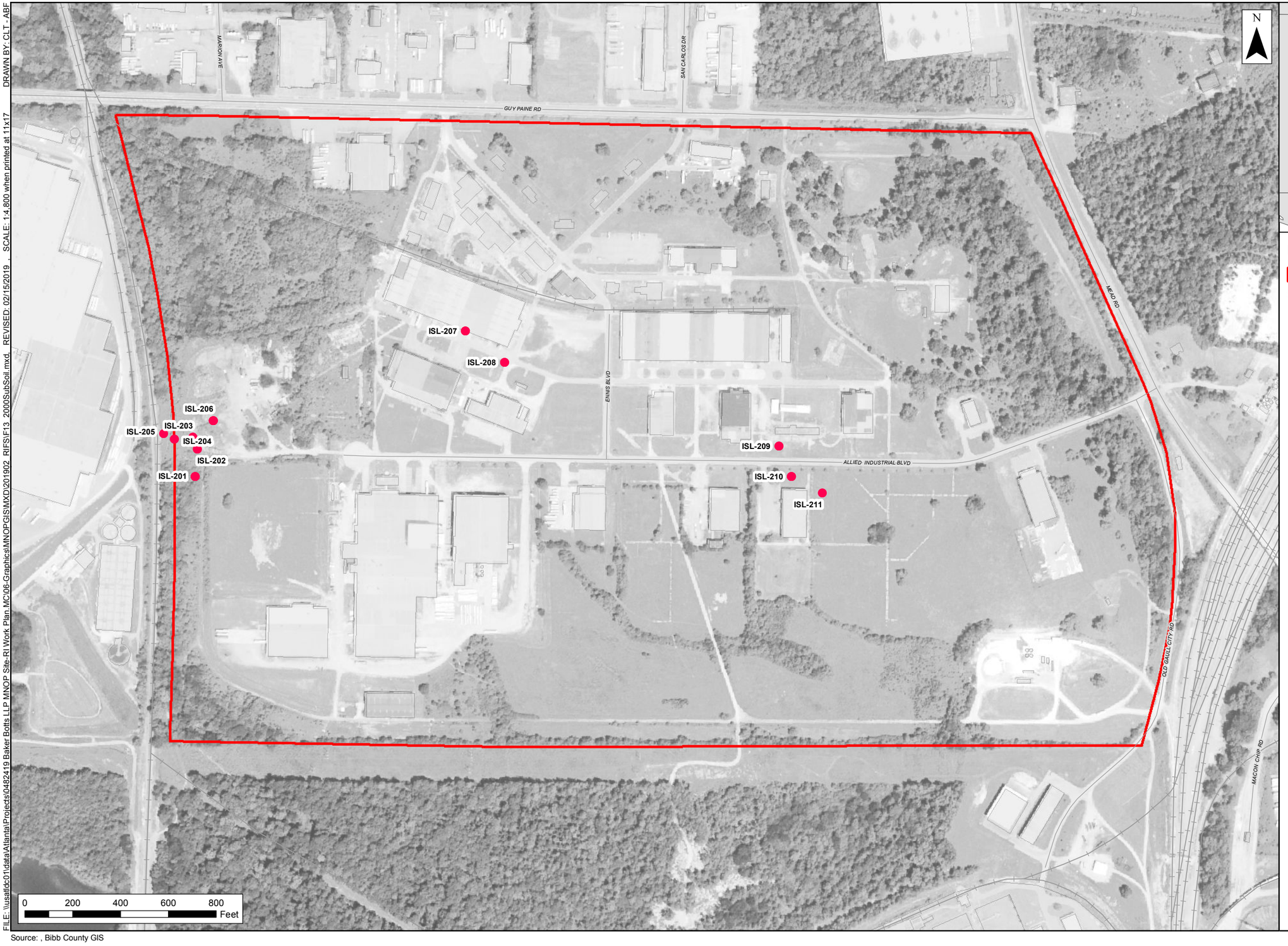

Legend

Site Boundary

Soil Sample Locations (> 2 ft)

2000

Figure 13
2000 Subsurface Soil Sample Locations
RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
www.erm.com

Source: , Bibb County GIS

FILE: \\usatlc01\data\Atlanta\Projects\0482419 Baker Botts LLP MNOP Site-RI Work Plan MC\06-Graphics\MNOPGIS\MXD\201902_RIFS\F13_2000SubSoil.mxd, REVISED: 02/15/2019 , SCALE: 1:4,800 when printed at 11x17
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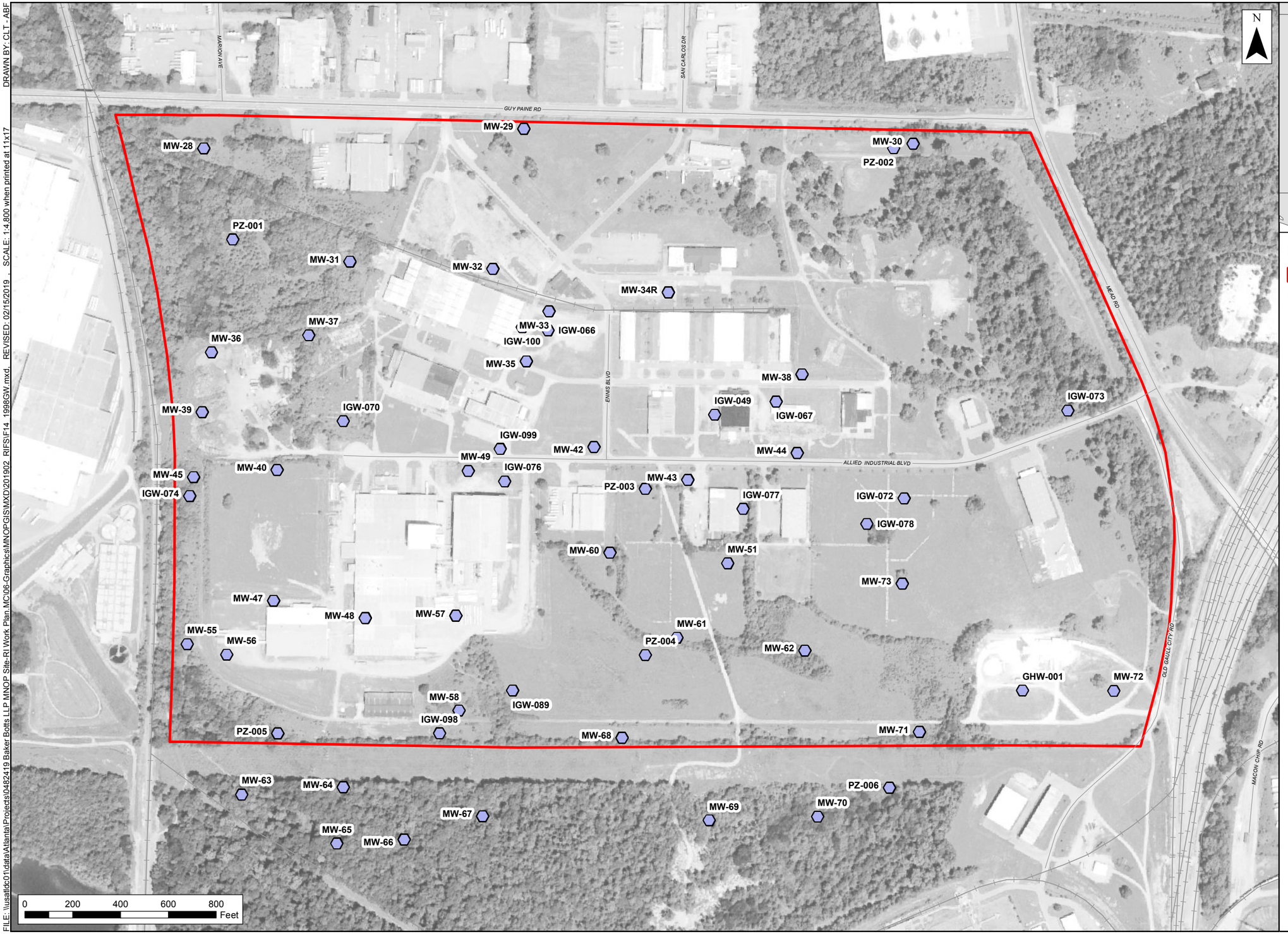


Source: , Bibb County GIS

Legend

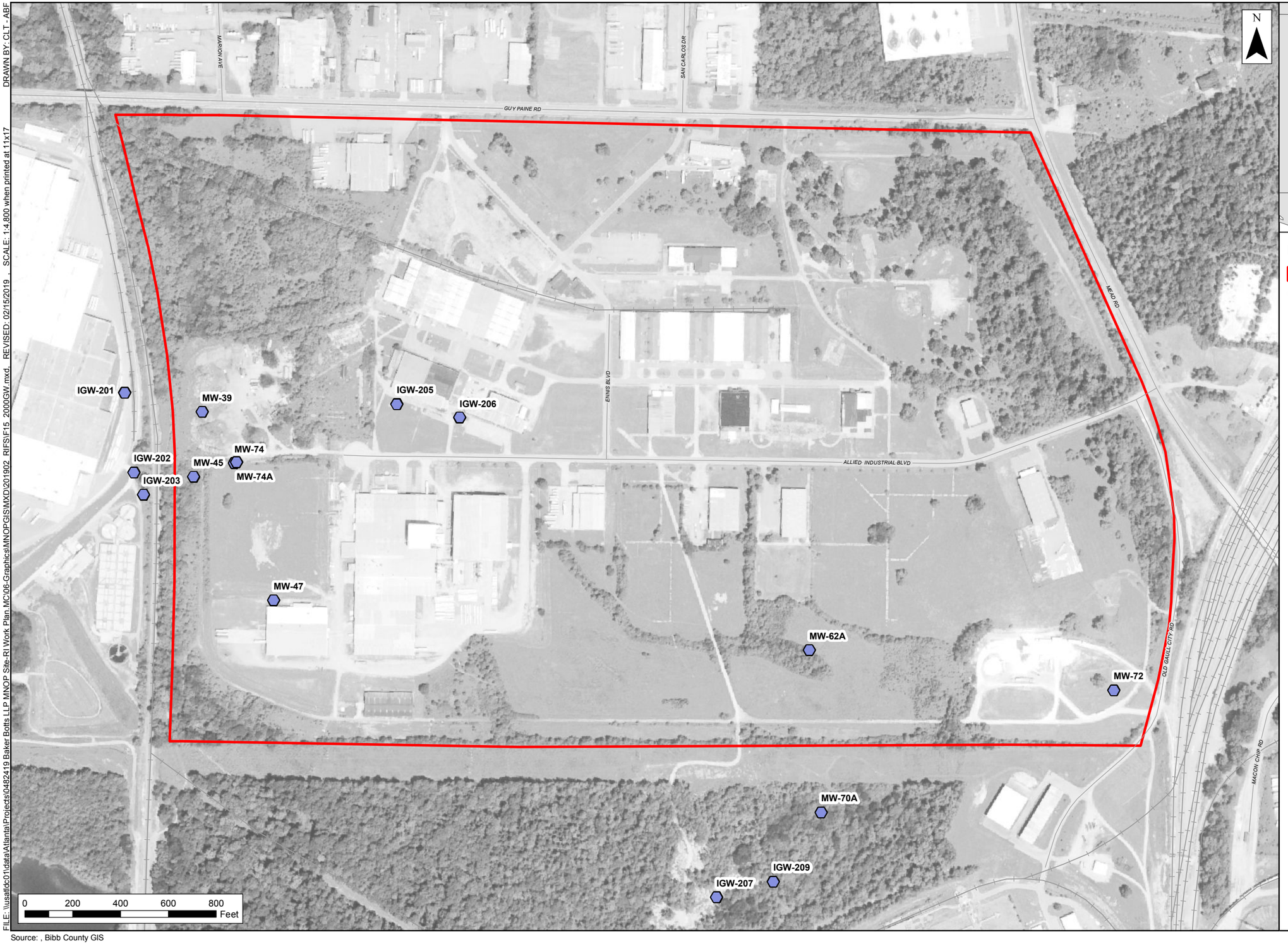
Site Boundary

Groundwater Locations

1998

Figure 14
1998 Groundwater Sample Locations
RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
www.erm.com
ERM



Legend

Site Boundary

Groundwater Locations

2000; 2001

Figure 15
2000 Groundwater Sample Locations

RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
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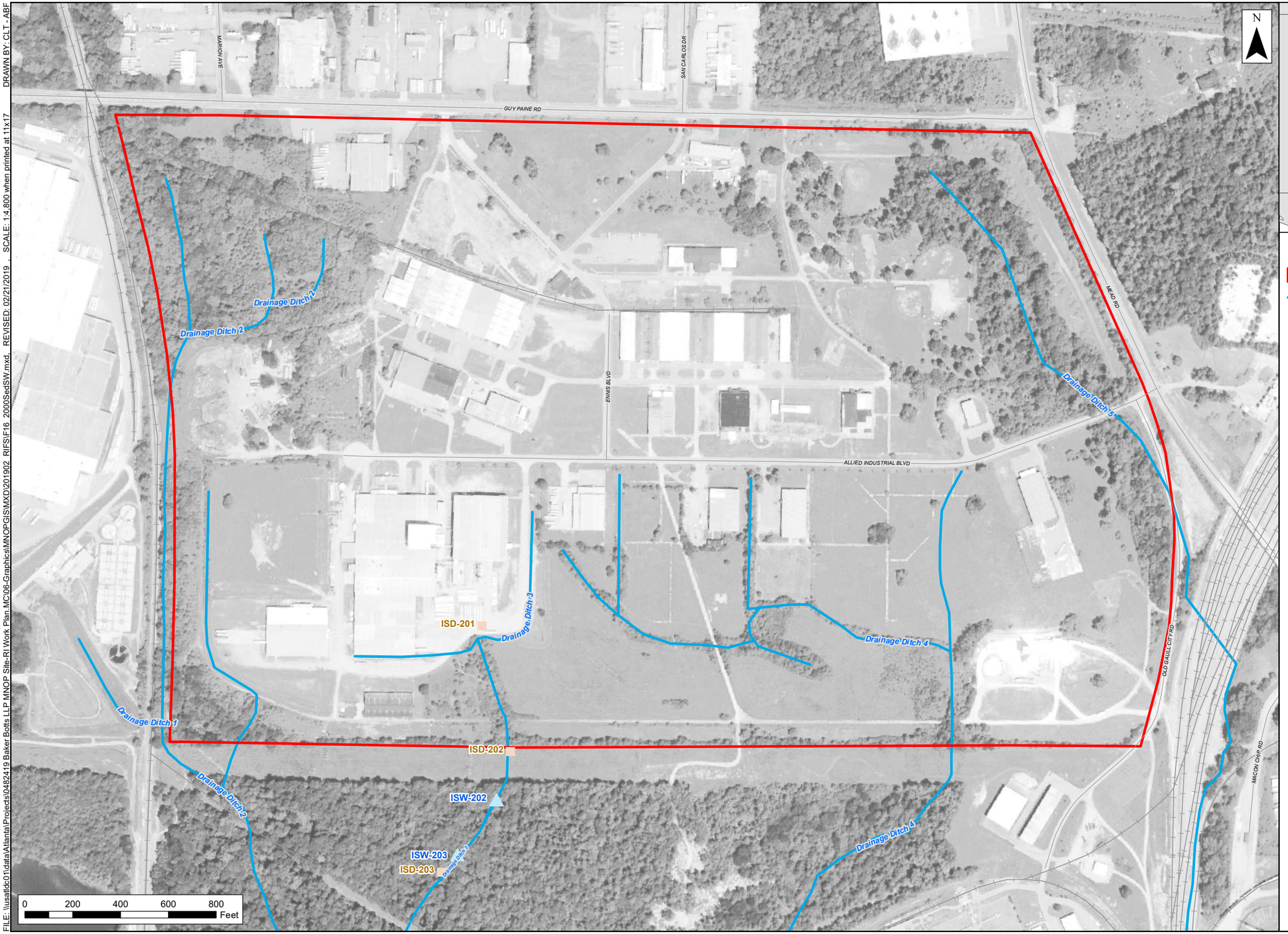
Source: , Bibb County GIS

FILE: \\usatlc01\data\Atlanta\Projects\0482419 Baker Botts LLP MNOP Site-RI Work Plan MC\06-Graphics\MNOPGIS\MXD\201902_RIFS\F15_2000GW.mxd, REVISED: 02/15/2019 , SCALE: 1:4,800 when printed at 11x17 DRAWN BY: CLT - ABF



Legend

- Site Boundary
- Site Drainage

Sediment Locations

- 2000

Surface Water Locations

- 2000

Figure 16
2000 Surface Water & Sediment Sample Locations
RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
www.erm.com

Source: , Bibb County GIS

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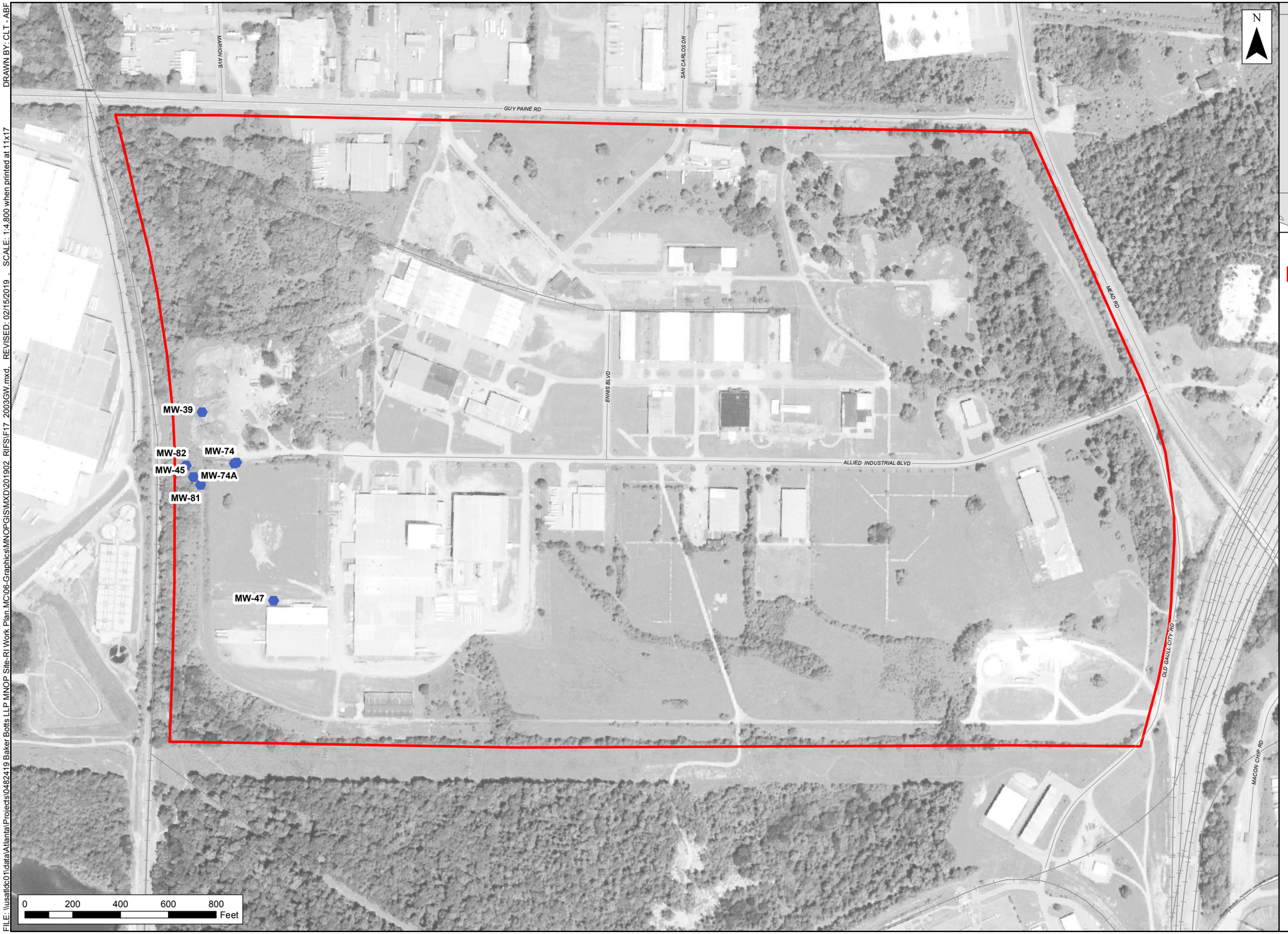

Source: , Bibb County GIS

Legend

Site Boundary

Groundwater Locations

2003

Figure 17
2003 Groundwater Sample Locations
RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

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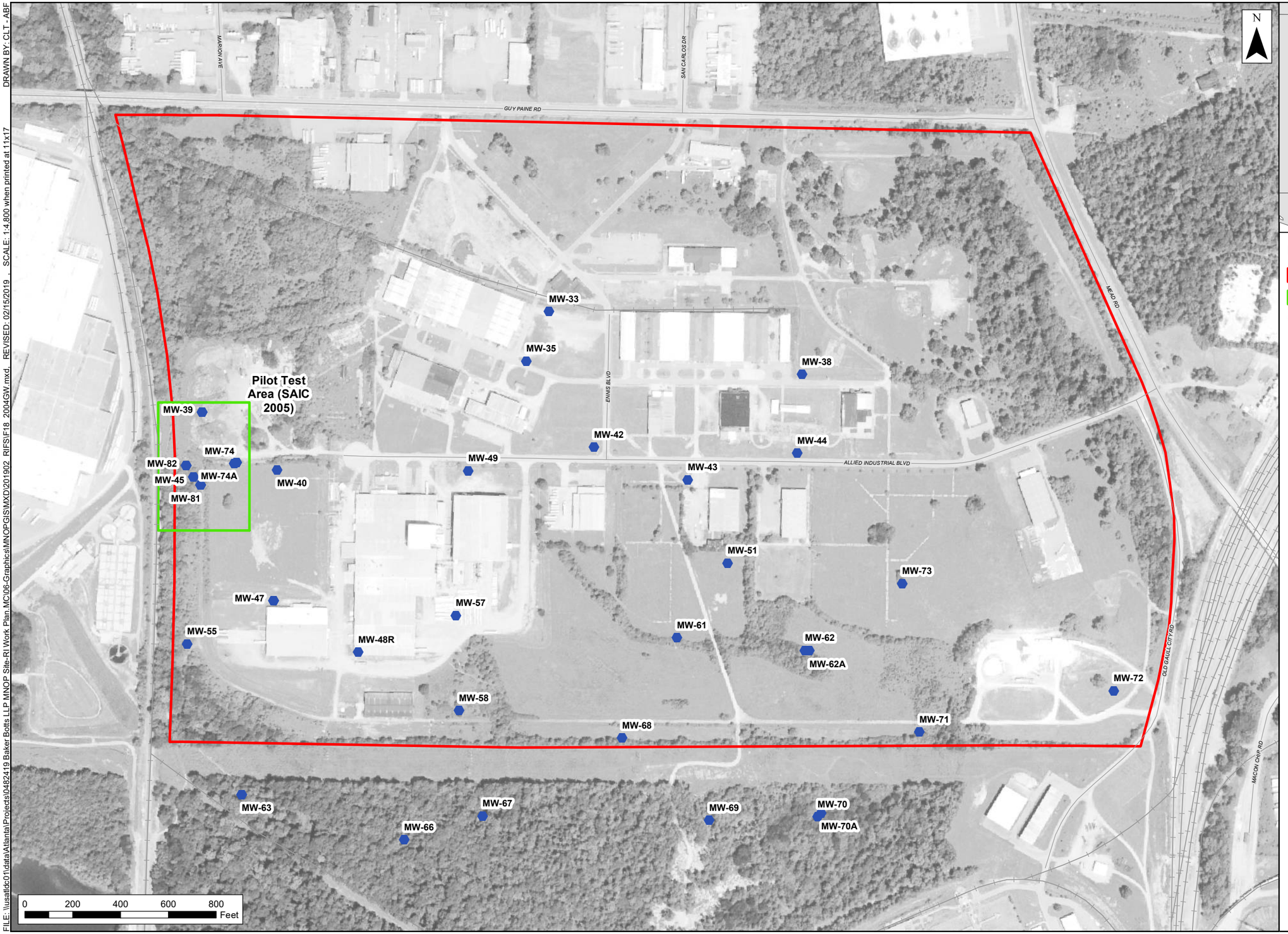
FILE: \\usatldc01\data\Atlanta\Projects\0482419 Baker Botts LLP MNOP Site-RI Work Plan.MC\06-Graphics\MNOPGIS\MXD\201902_RIFSIF18_2004GW.mxd, REVISED: 02/15/2019 , SCALE: 1:4,800 when printed at 11x17



Source: , Bibb County GIS

Legend

- Site Boundary
- Pilot Test Area (SAIC
- **Groundwater Locations**
  - 2004

Figure 18
2004 Groundwater Sample Locations
RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
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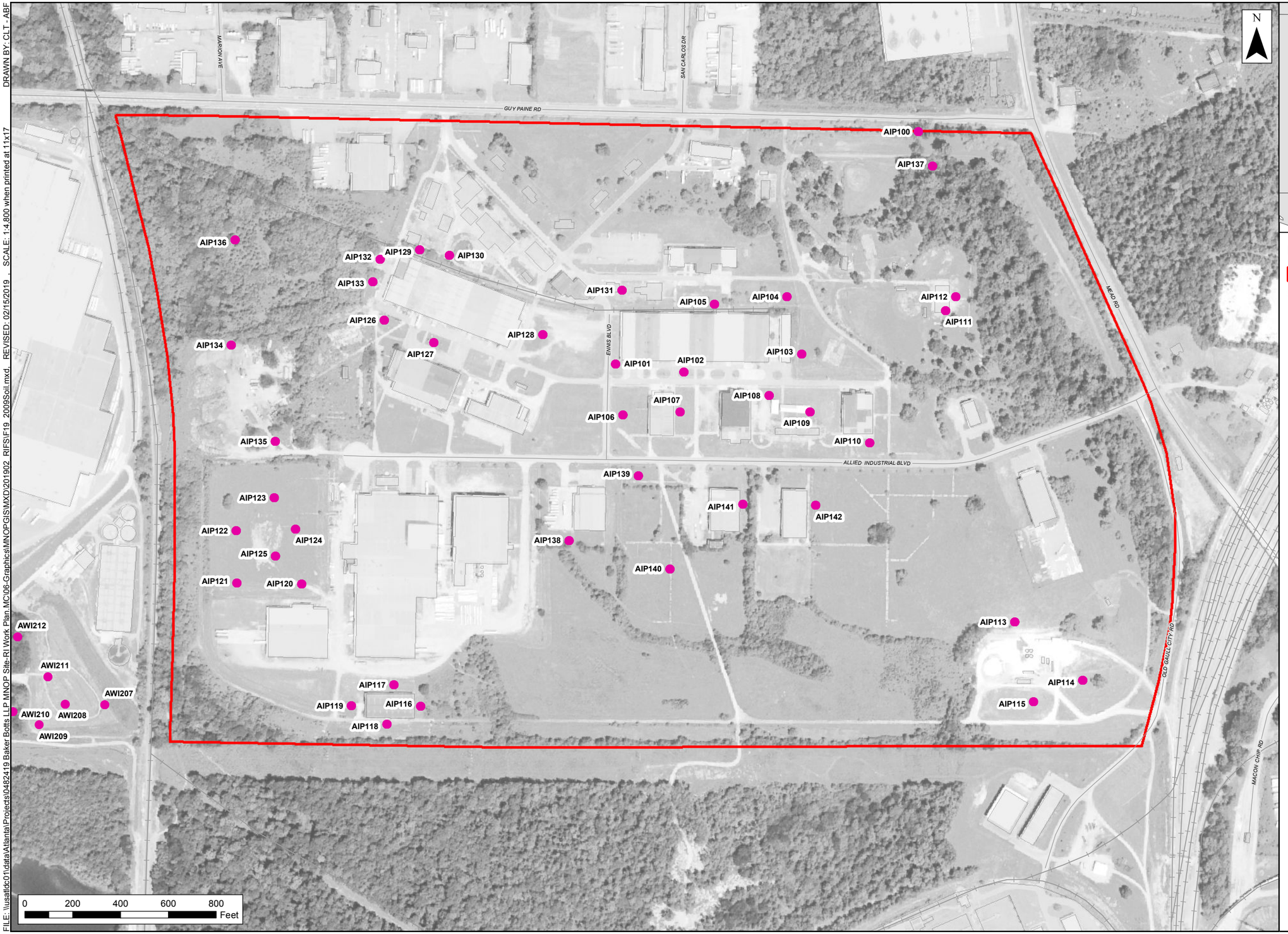
FILE: \\usatldc01\data\Atlanta\Projects\0492419 Baker Botts LLP MNOP Site-RI Work Plan.MC\06-Graphics\MNOPGIS\MXD\201902_RIFSLF19_2009Soil.mxd, REVISED: 02/15/2019 , SCALE: 1:4,800 when printed at 11x17



Legend

Site Boundary

Soil Sample

2009

Source: , Bibb County GIS

Figure 19

2009 Soil Sample Locations

RI/FS Work Plan
Macon Naval Ordinance
Plant Superfund Site
Bibb County, Georgia

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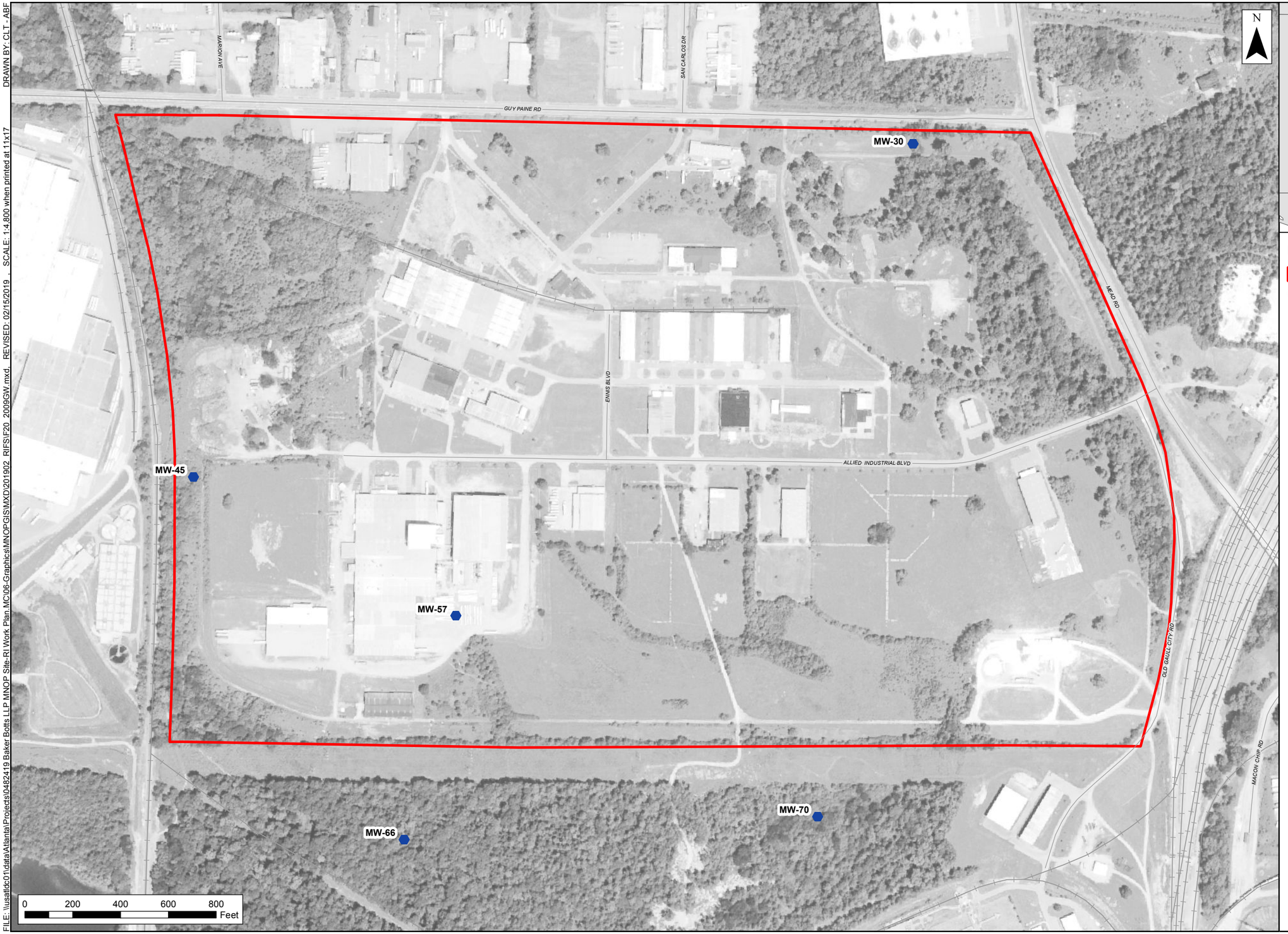

Legend

Site Boundary

Groundwater Locations

2009

Source: , Bibb County GIS

Figure 20
2009 Groundwater Sample Locations
RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

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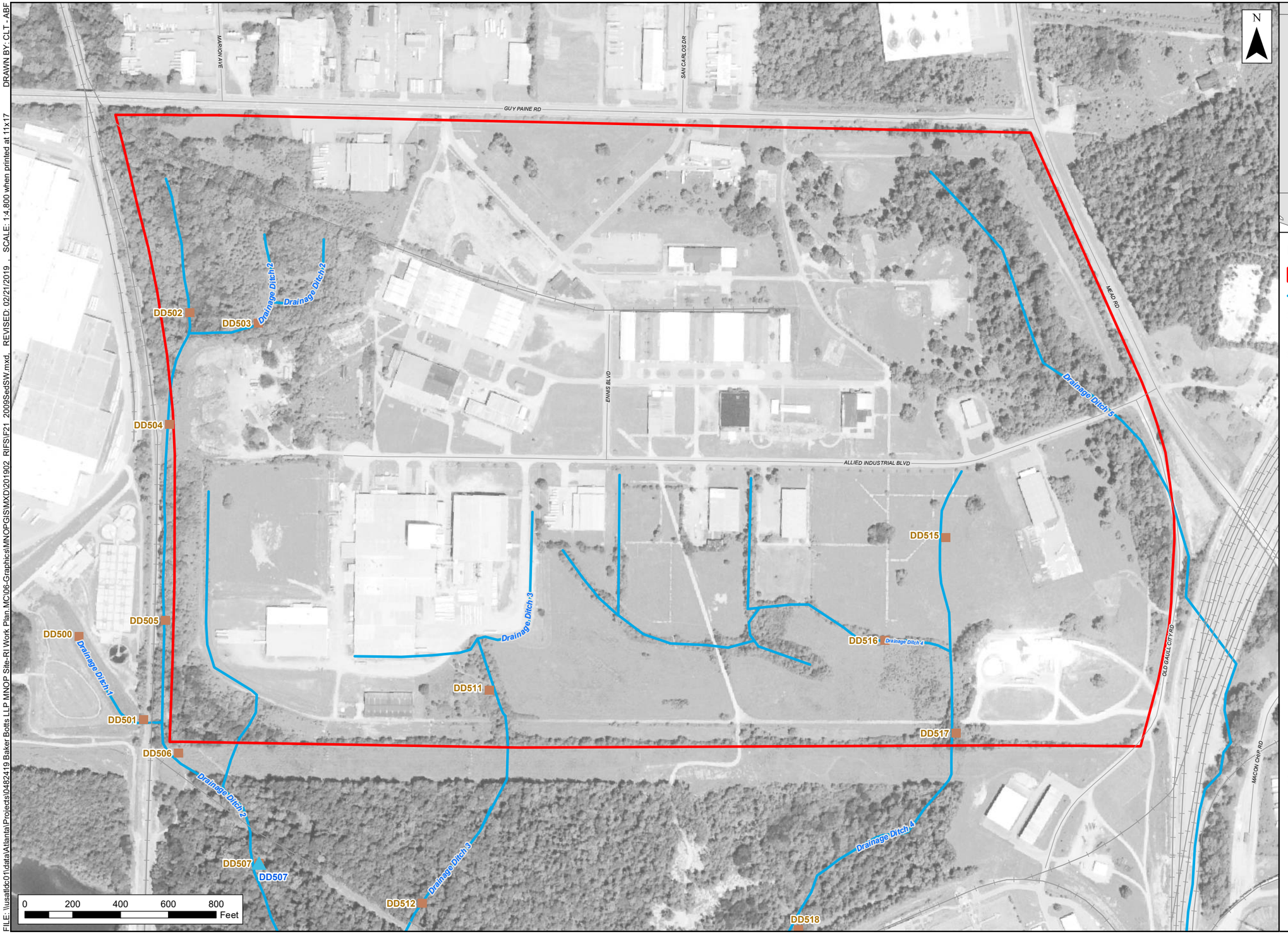
SCALE: 1:4,800 when printed at 11x17

REVISED: 02/21/2019

FILE: \\vsatldc01\data\Atlanta\Projects\04824\19 Baker Botts LLP MNOP Site-RI Work Plan.MC\06-Graphics\MNOPGIS\MXD\201902_RIFSIF21_2009SedSW.mxd



Source: , Bibb County GIS

Legend

- Site Boundary
- Site Drainage

Sediment Locations

- 2009

Surface Water Locations

- 2009

Figure 21
2009 Surface Water & Sediment Sample Locations
RI/FS Work Plan
Macon Naval Ordinance
Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
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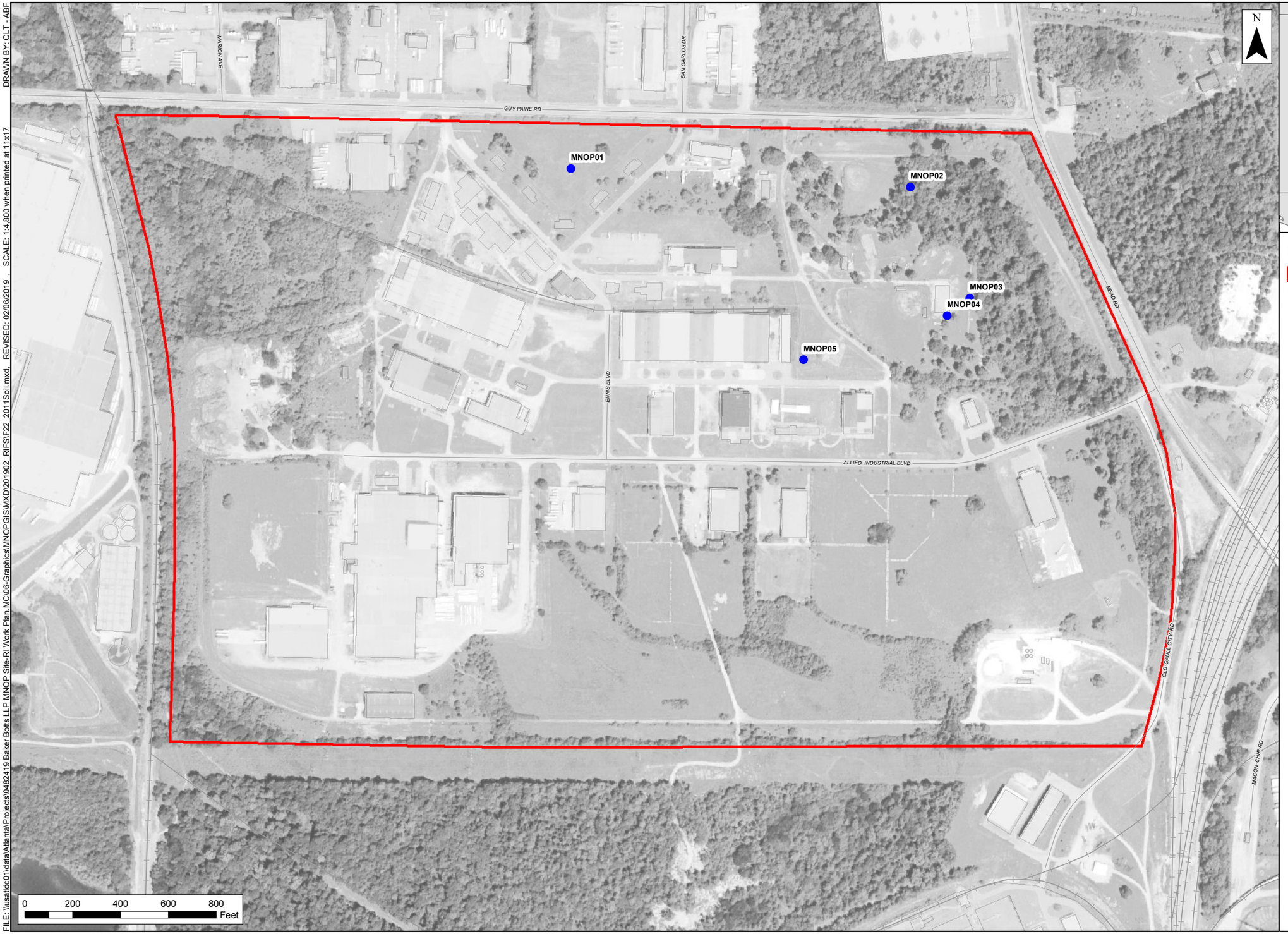
FILE: \\usatldc01\data\Atlanta\Projects\0492419 Baker Botts LLP MNOP Site-RI Work Plan.MC\06-Graphics\MNOPGIS\MXD\201902_RIFSIF22_2011Soil.mxd, REVISED: 02/06/2019 , SCALE: 1:4,800 when printed at 11x17



Legend

Site Boundary

Soil Sample

2011

Source: , Bibb County GIS

Figure 22

2011 Soil Sample Locations

RI/FS Work Plan

Macon Naval Ordinance

Plant Superfund Site

Bibb County, Georgia

Environmental Resources Management
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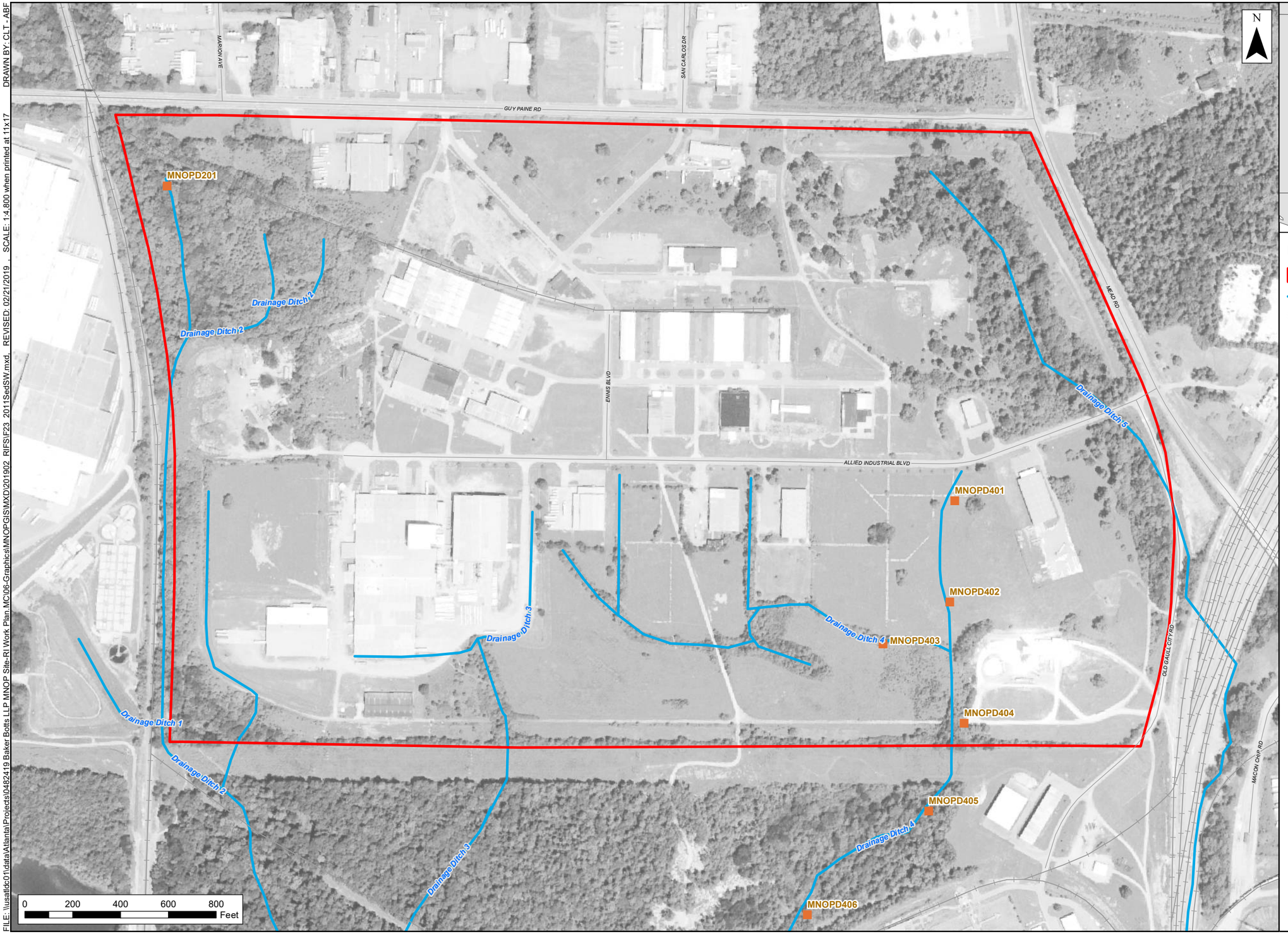

Legend

- Site Boundary
- Site Drainage

Sediment Locations

- 2011

Source: , Bibb County GIS

Figure 23
2011 Sediment Sample Locations

RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

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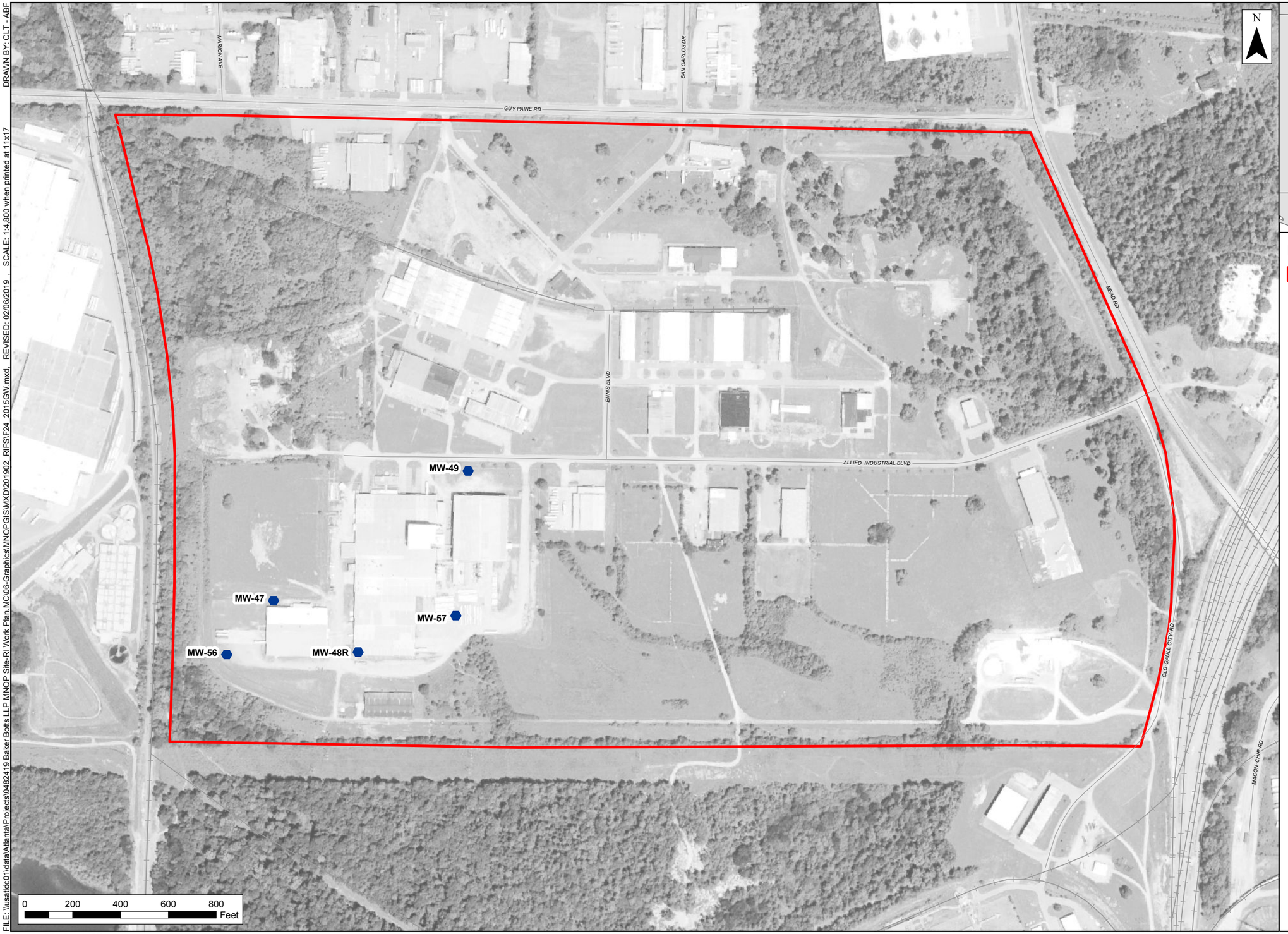


Legend

Site Boundary

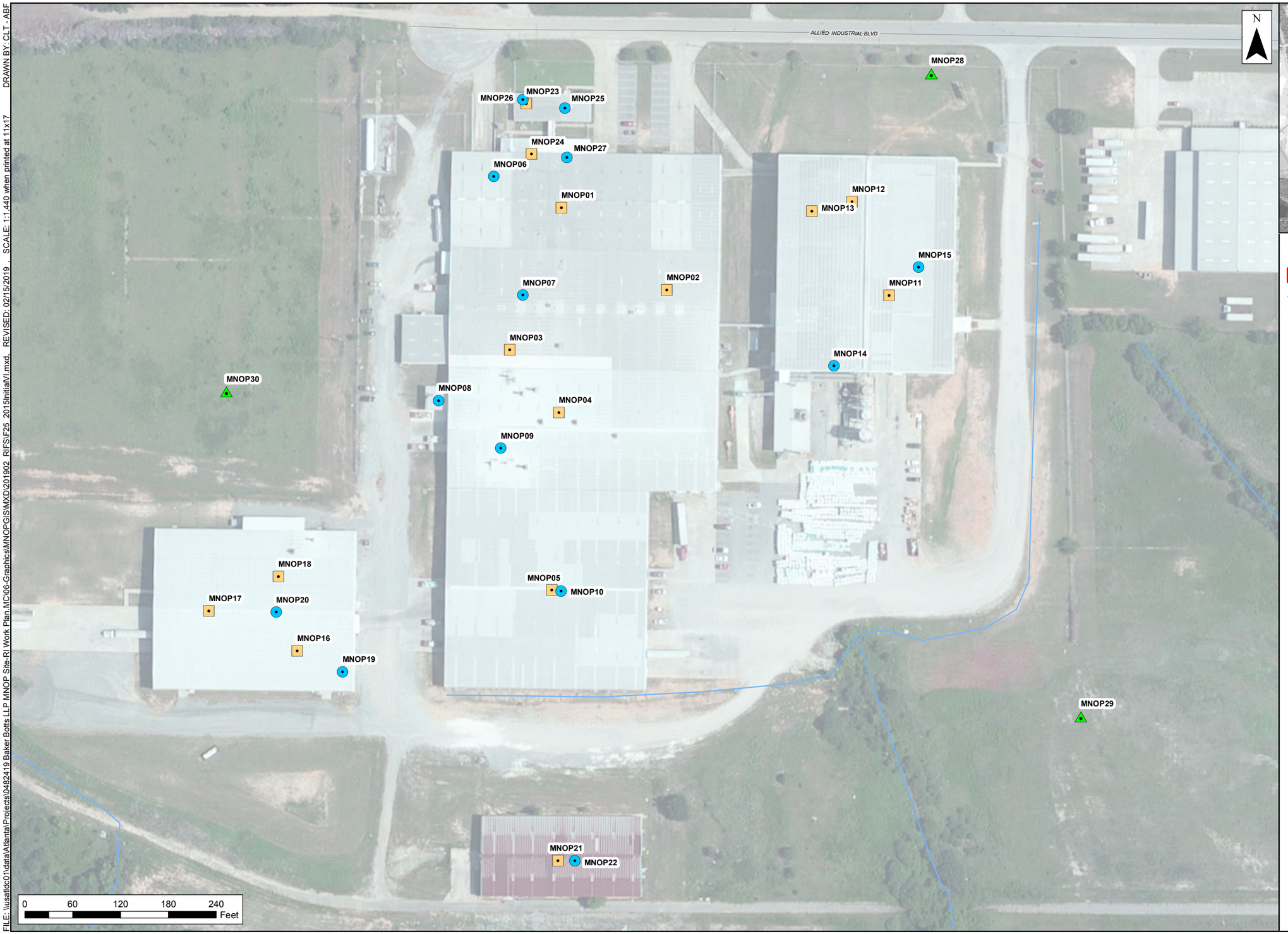
Groundwater Locations

2015

Figure 24
2015 Groundwater Sample Locations
RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
www.erm.com

Source: , Bibb County GIS



Legend

- Site Boundary
- Site Drainage

Vapor Intrusion

- Soil Gas Monitoring
- Outdoor Air
- Indoor Air

Figure 25
2015 Soil Gas, Indoor Air & Ambient Air Sample Locations
RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
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Source: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend

- Site Boundary

2015 / 2016 Vapor Intrusion Investigation

- TAGA Screening & Indoor Air Sampling
- TAGA Screening Only

Figure 26
2015 & 2016
Buildings Sampled
as part of VI Investigation
RI/FS Work Plan
Macon Naval Ordinance
Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
www.erm.com

Source:

FILE: \\usatlc01\data\Atlanta\Projects\0482419 Baker Botts LLP MNOP Site-RI Work Plan,MC\06-Graphics\MNOPGIS\MXD\201902_RIFS\F26_BuildingsVI.mxd, REVISED: 02/20/2019 , SCALE: 1:3,600 when printed at 11x17 DRAWN BY: CLT - ABF

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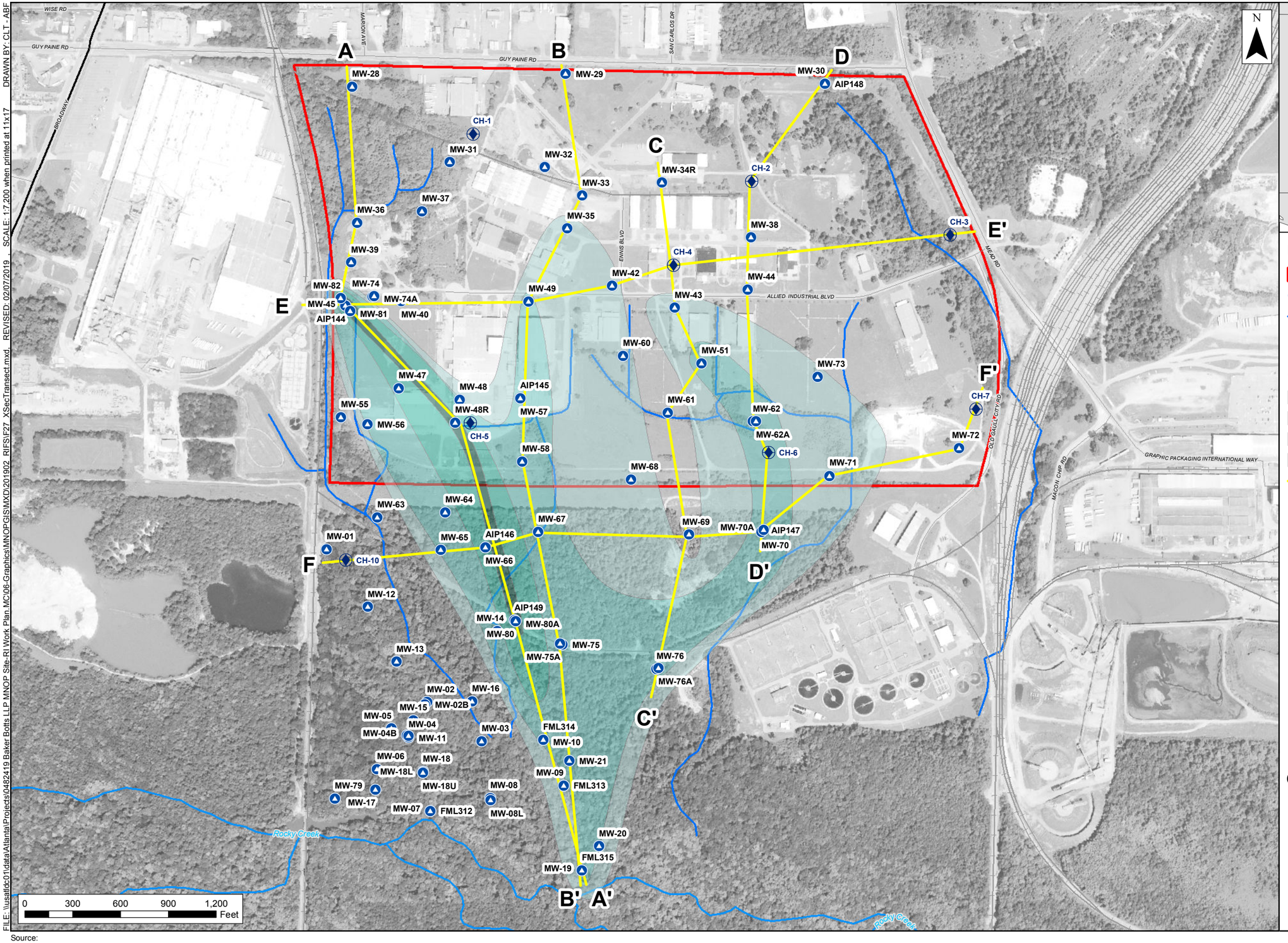

Legend

- Site Boundary
- River / Stream
- Site Drainage
- Monitoring well
- Geologic Core Location

TCE Isoconcentration Contours

- > 5,000 ug/L
- > 500 ug/L
- > 50 ug/L
- > 5 ug/L
- Transects

Notes:
Most recent concentration of trichloroethene (TCE) used for isocontours.
Concentrations shown in ug/L (micrograms per liter).

Source:

Figure 27
Cross Section Transect Map
RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
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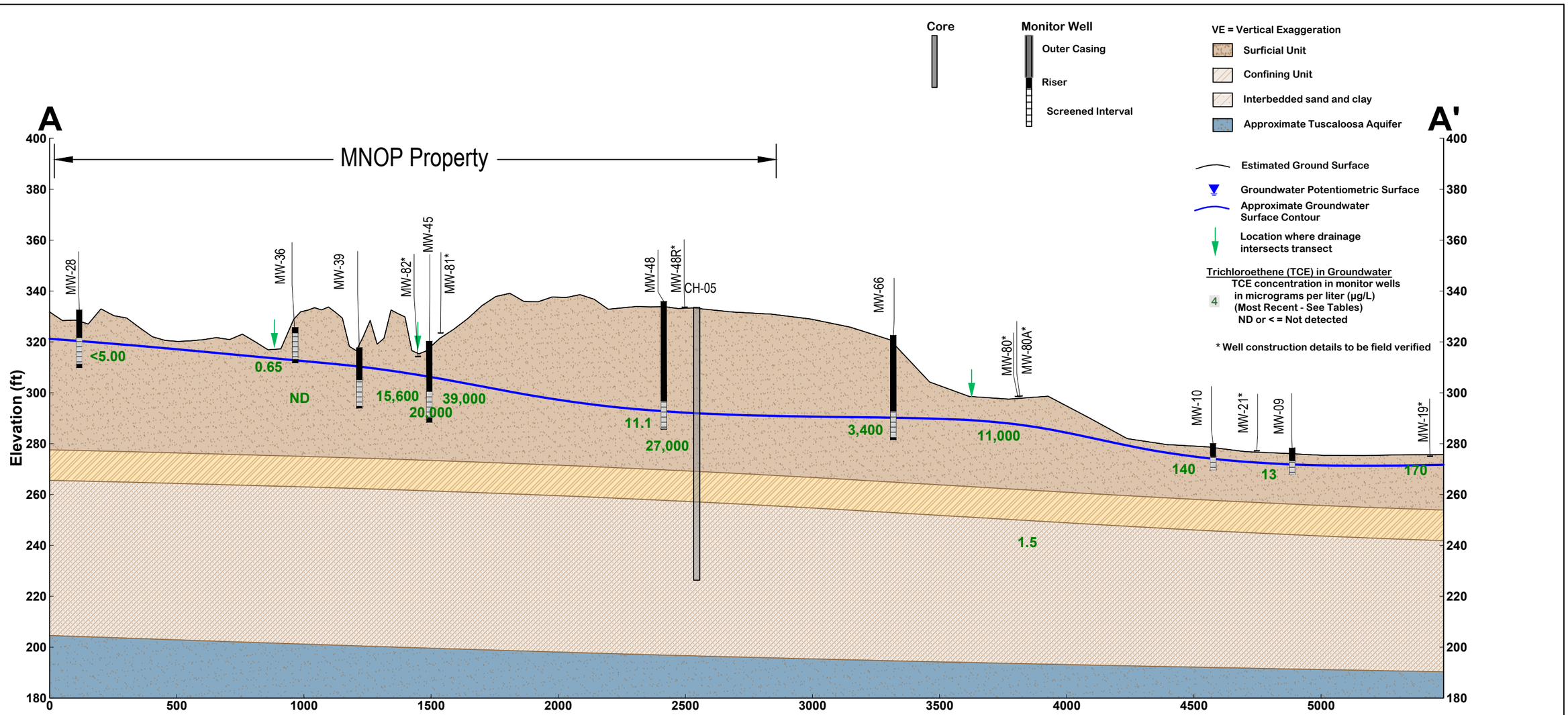

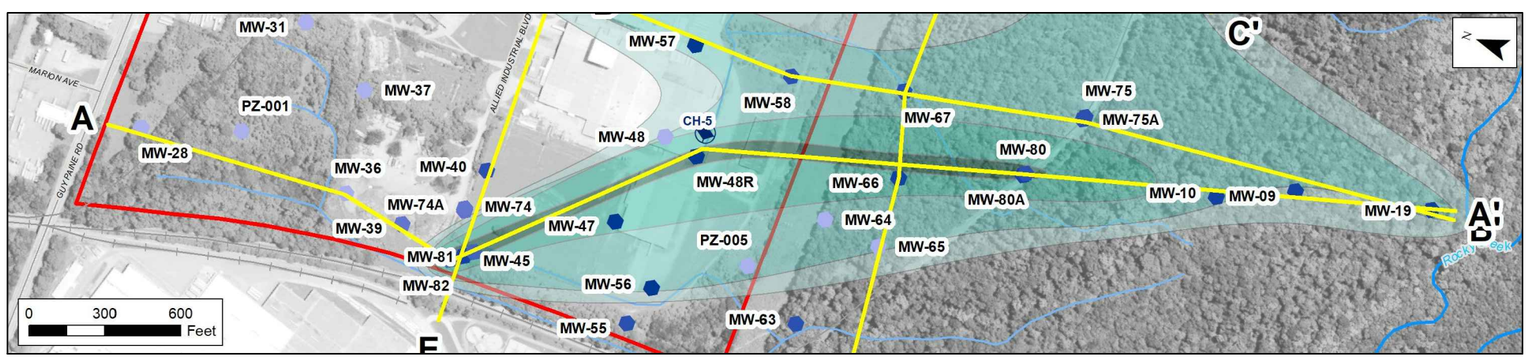

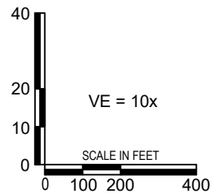

Figure 28

Hydrogeologic Cross Section A-A'

RI/FS Work Plan

Macon Naval Ordinance

Plant Super Fund Site

Bibb County, Georgia

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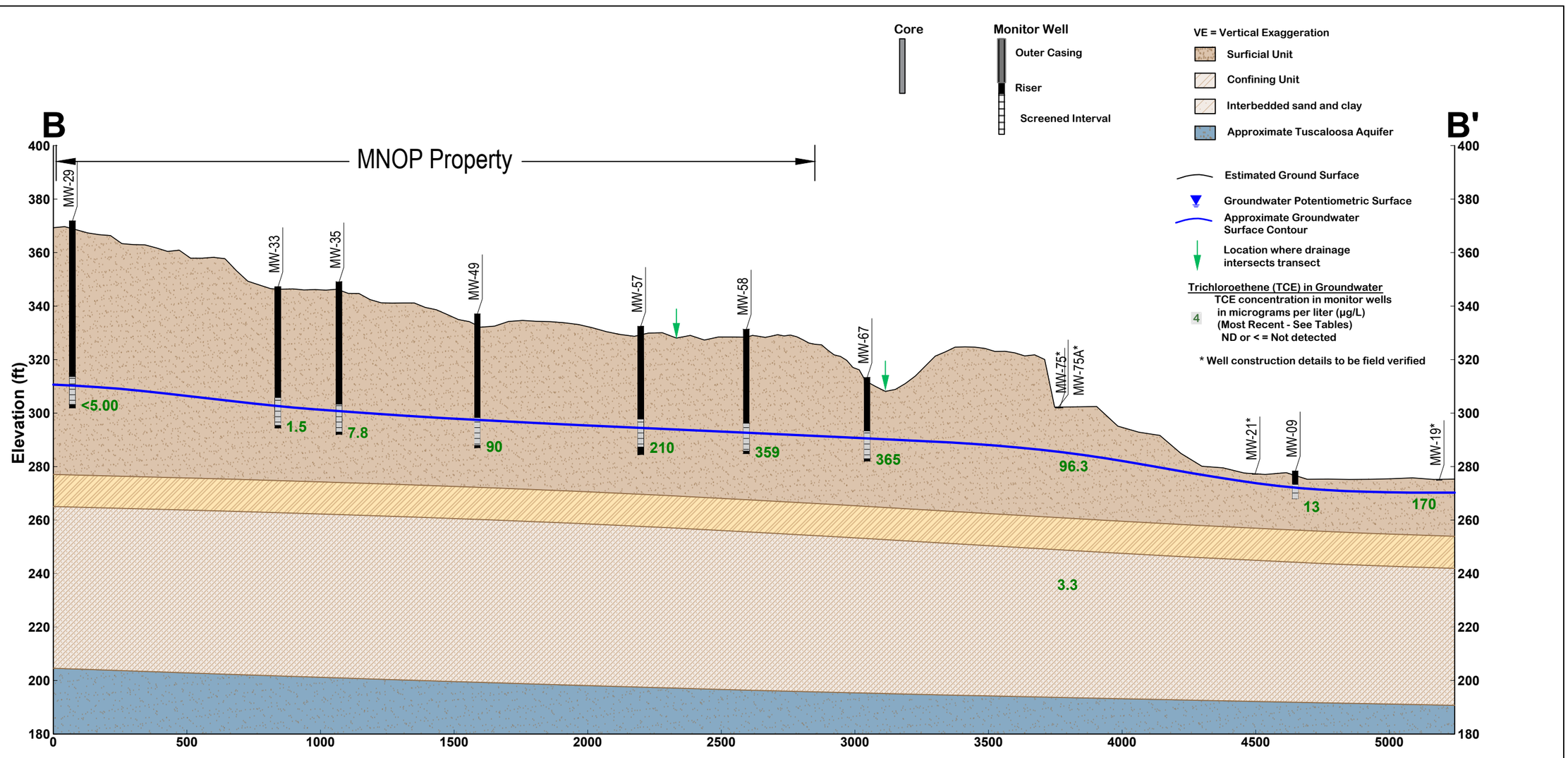

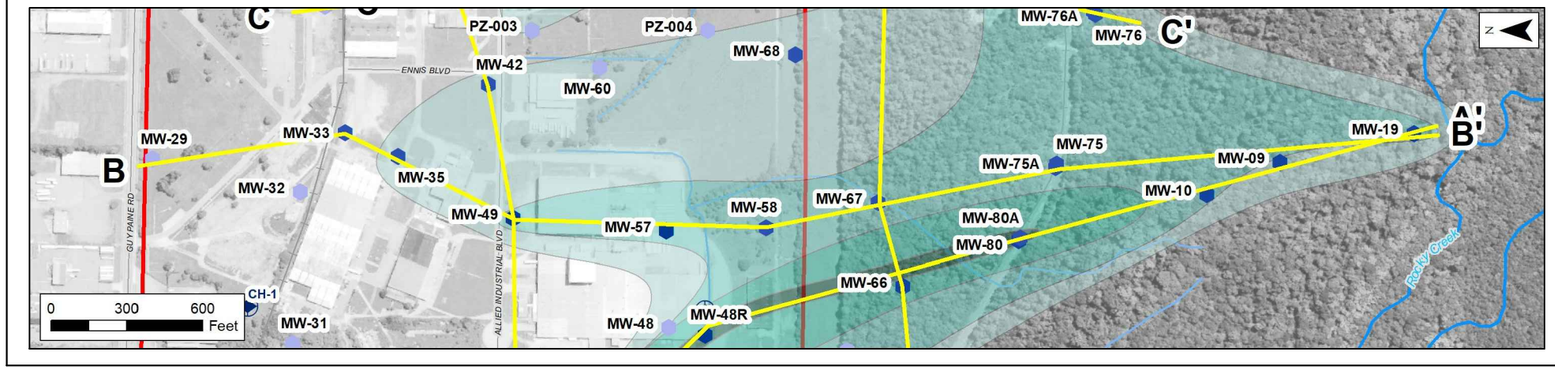

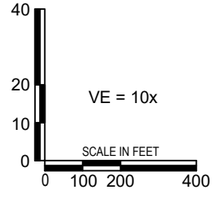

Figure 29

Hydrogeologic Cross Section B-B'

RI/FS Work Plan

Macon Naval Ordinance

Plant Super Fund Site

Bibb County, Georgia

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Core

Monitor Well
- Outer Casing
- Riser
- Screened Interval

VE = Vertical Exaggeration
- Surficial Unit
- Confining Unit
- Interbedded sand and clay
- Approximate Tuscaloosa Aquifer

C

C'

MNOP Property

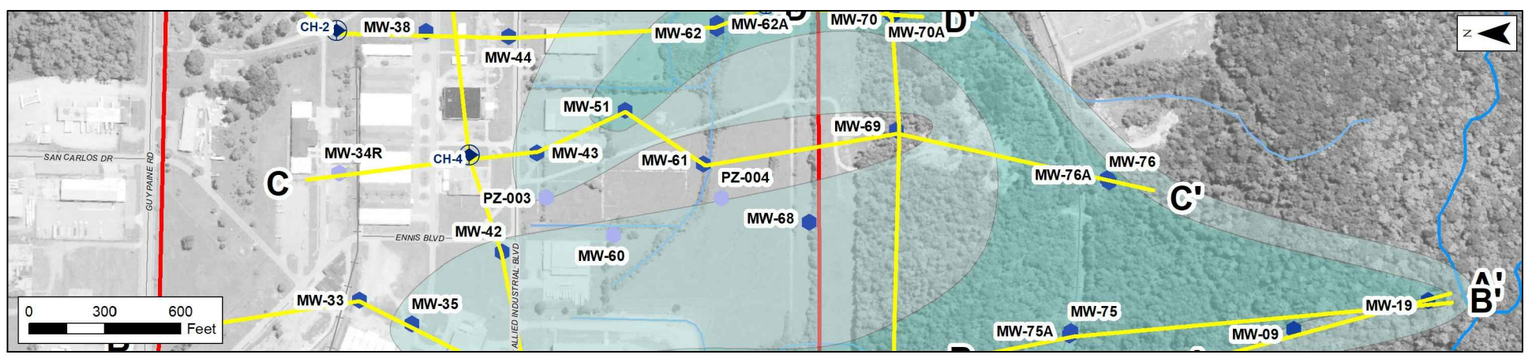
Elevation (ft)

MW-34R <5.00
CH-04
MW-43 13.1
MW-51 118
MW-61 1.1
MW-69 0.76
MW-76A* 84.9
MW-76* ND

- Estimated Ground Surface
- Groundwater Potentiometric Surface
- Approximate Groundwater Surface Contour
- Location where drainage intersects transect

Trichloroethene (TCE) in Groundwater
4 TCE concentration in monitor wells in micrograms per liter (µg/L) (Most Recent - See Tables)
ND or < = Not detected

* Well construction details to be field verified



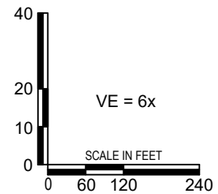


Figure 30

Hydrogeologic Cross Section C-C'

RI/FS Work Plan

Macon Naval Ordinance

Plant Super Fund Site

Bibb County, Georgia

Environmental Resources Management
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ERM

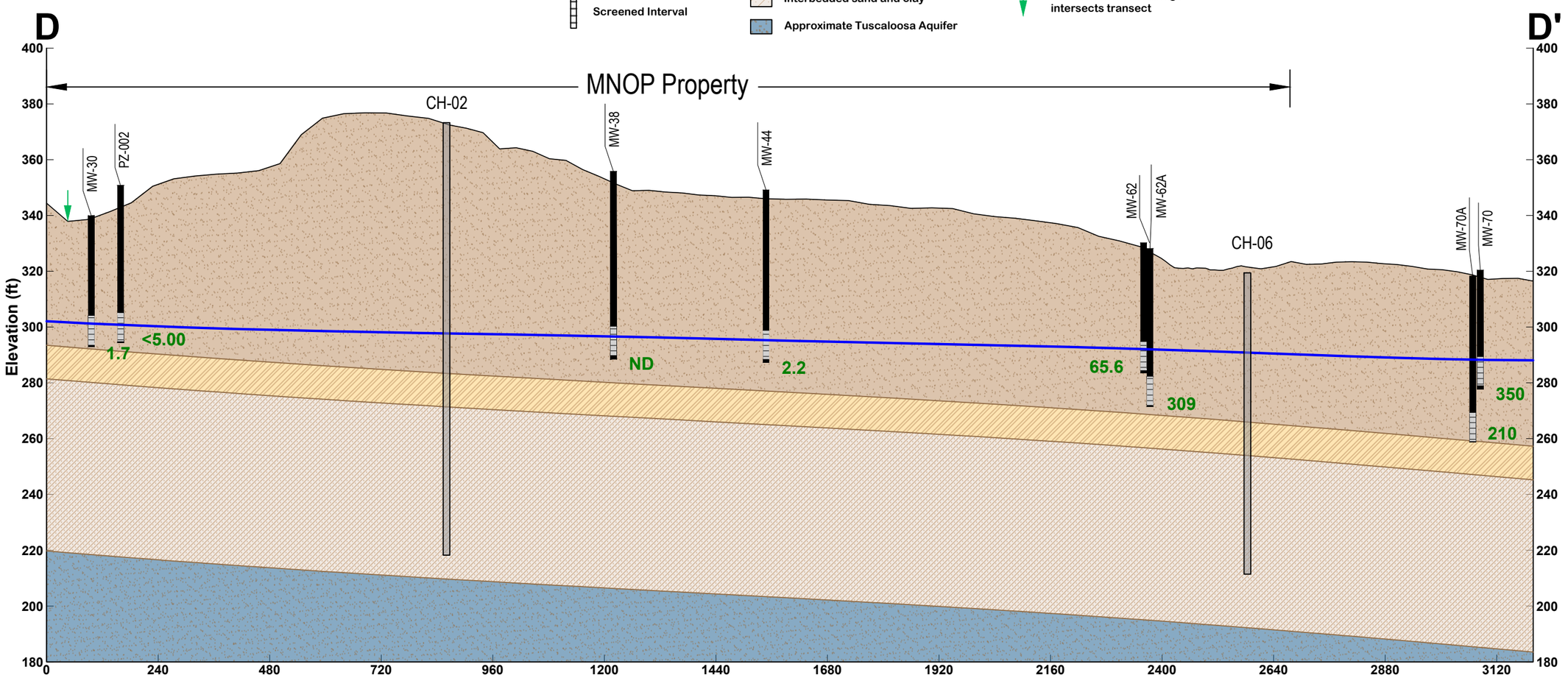
Core

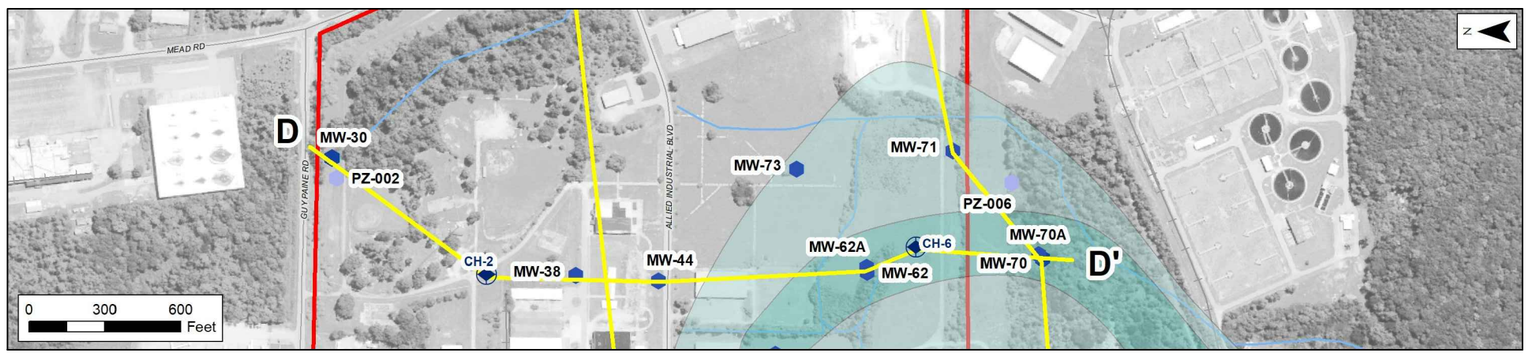
Monitor Well
- Outer Casing
- Riser
- Screened Interval

VE = Vertical Exaggeration
- Surficial Unit
- Confining Unit
- Interbedded sand and clay
- Approximate Tuscaloosa Aquifer

- Estimated Ground Surface
- Groundwater Potentiometric Surface
- Approximate Groundwater Surface Contour
- Location where drainage intersects transect

Trichloroethene (TCE) in Groundwater
4 TCE concentration in monitor wells in micrograms per liter (µg/L) (Most Recent - See Tables)
ND or < = Not detected





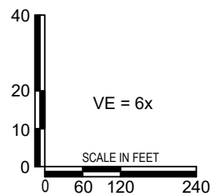


Figure 31
Hydrogeologic Cross Section D-D'
RI/FS Work Plan
Macon Naval Ordinance
Plant Super Fund Site
Bibb County, Georgia

Environmental Resources Management
www.erm.com
ERM

Core

Monitor Well
- Outer Casing
- Riser
- Screened Interval

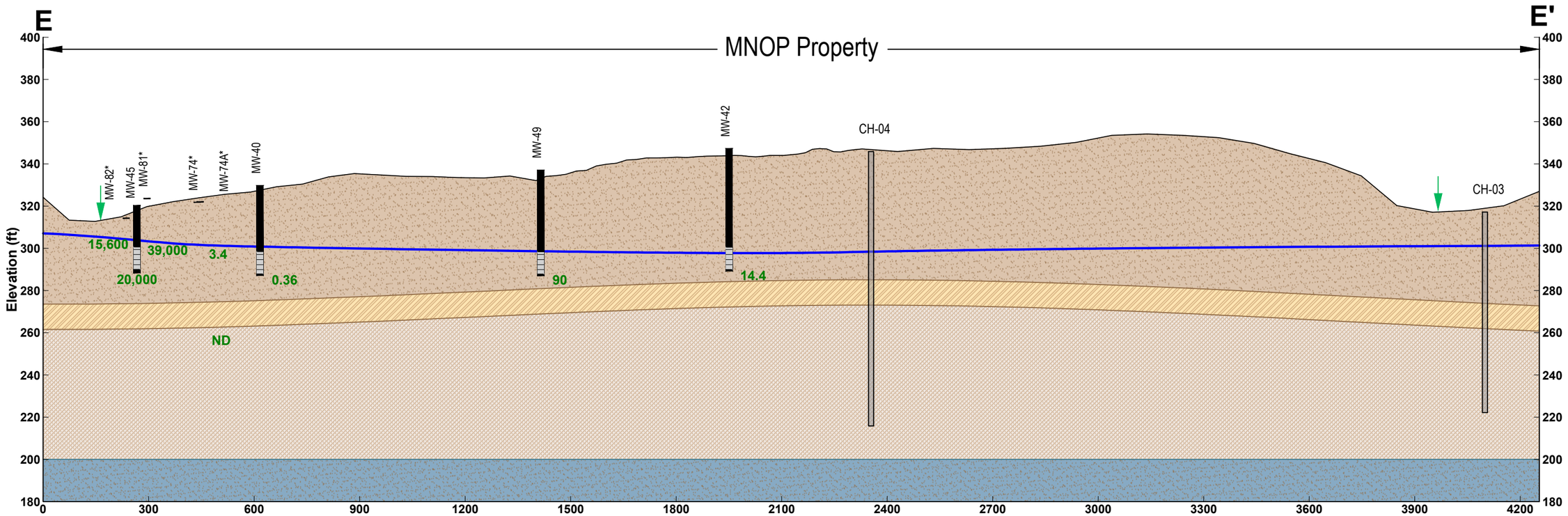
VE = Vertical Exaggeration
- Surficial Unit
- Confining Unit
- Interbedded sand and clay
- Approximate Tuscaloosa Aquifer

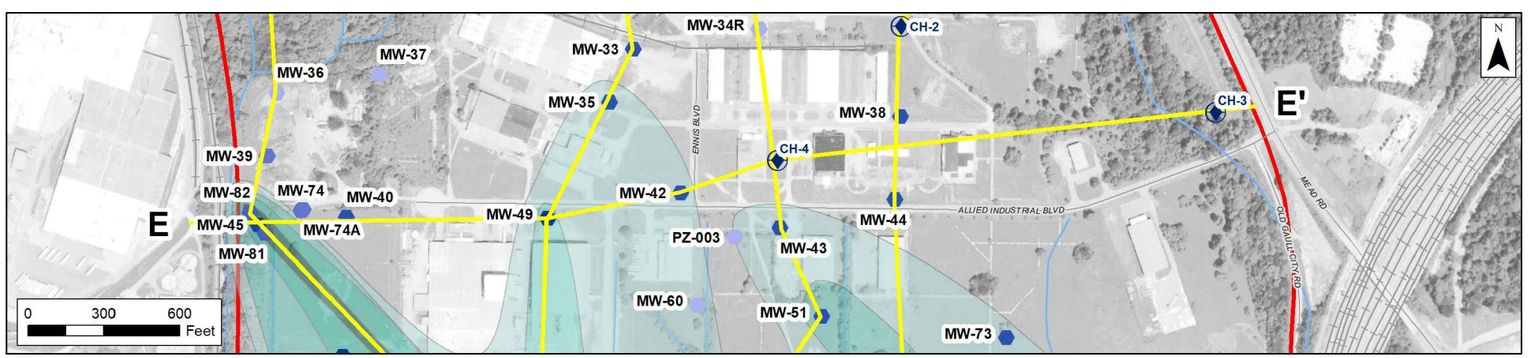
- Estimated Ground Surface
- Groundwater Potentiometric Surface
- Approximate Groundwater Surface Contour
- Location where drainage intersects transect

Trichloroethene (TCE) in Groundwater

4 TCE concentration in monitor wells in micrograms per liter (µg/L) (Most Recent - See Tables)
ND or < = Not detected

* Well construction details to be field verified





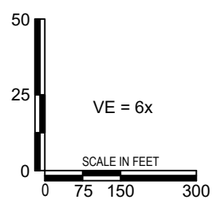


Figure 32

Hydrogeologic Cross Section E-E'

RI/FS Work Plan
Macon Naval Ordinance
Plant Super Fund Site
Bibb County, Georgia

Environmental Resources Management
www.erm.com
ERM

Core

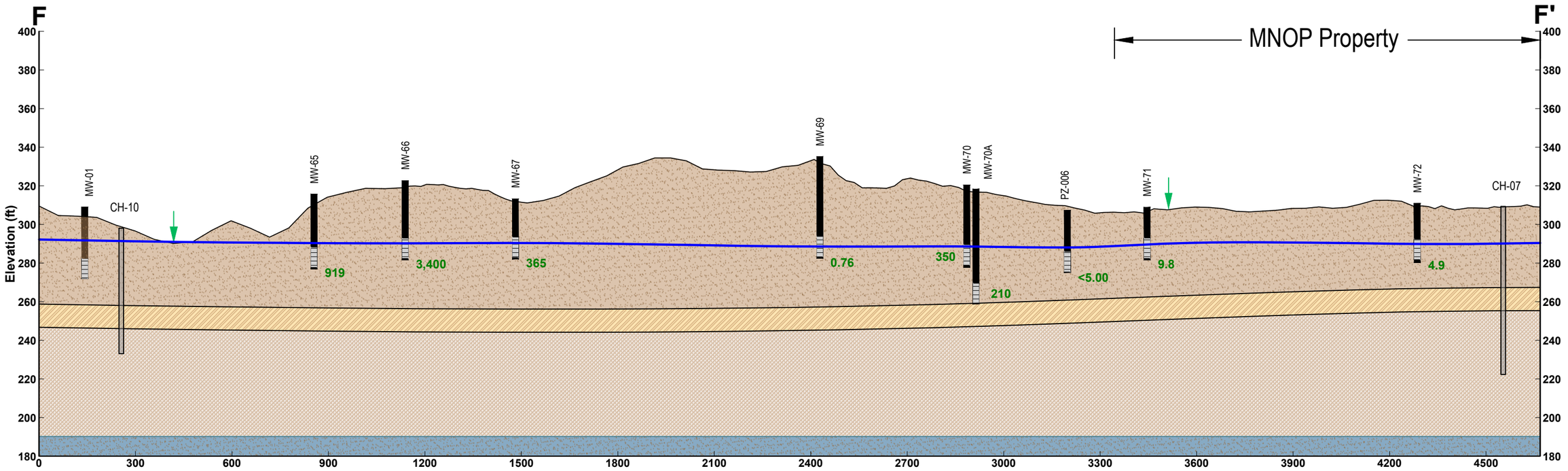
Monitor Well
- Outer Casing
- Riser
- Screened Interval

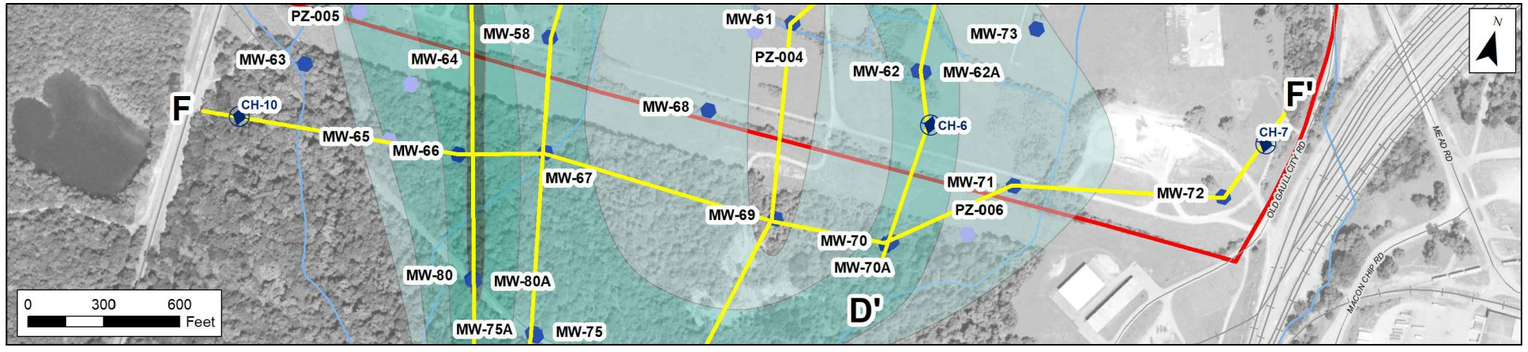
VE = Vertical Exaggeration
- Surficial Unit
- Confining Unit
- Interbedded sand and clay
- Approximate Tuscaloosa Aquifer

- Estimated Ground Surface
- Groundwater Potentiometric Surface
- Approximate Groundwater Surface Contour
- Location where drainage intersects transect

Trichloroethene (TCE) in Groundwater

4 TCE concentration in monitor wells in micrograms per liter (µg/L) (Most Recent - See Tables)
ND or < = Not detected





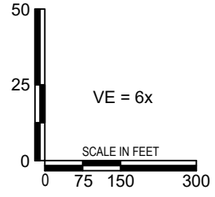


Figure 33

Hydrogeologic Cross Section F-F'

RI/FS Work Plan
Macon Naval Ordinance
Plant Super Fund Site
Bibb County, Georgia

Environmental Resources Management
www.erm.com
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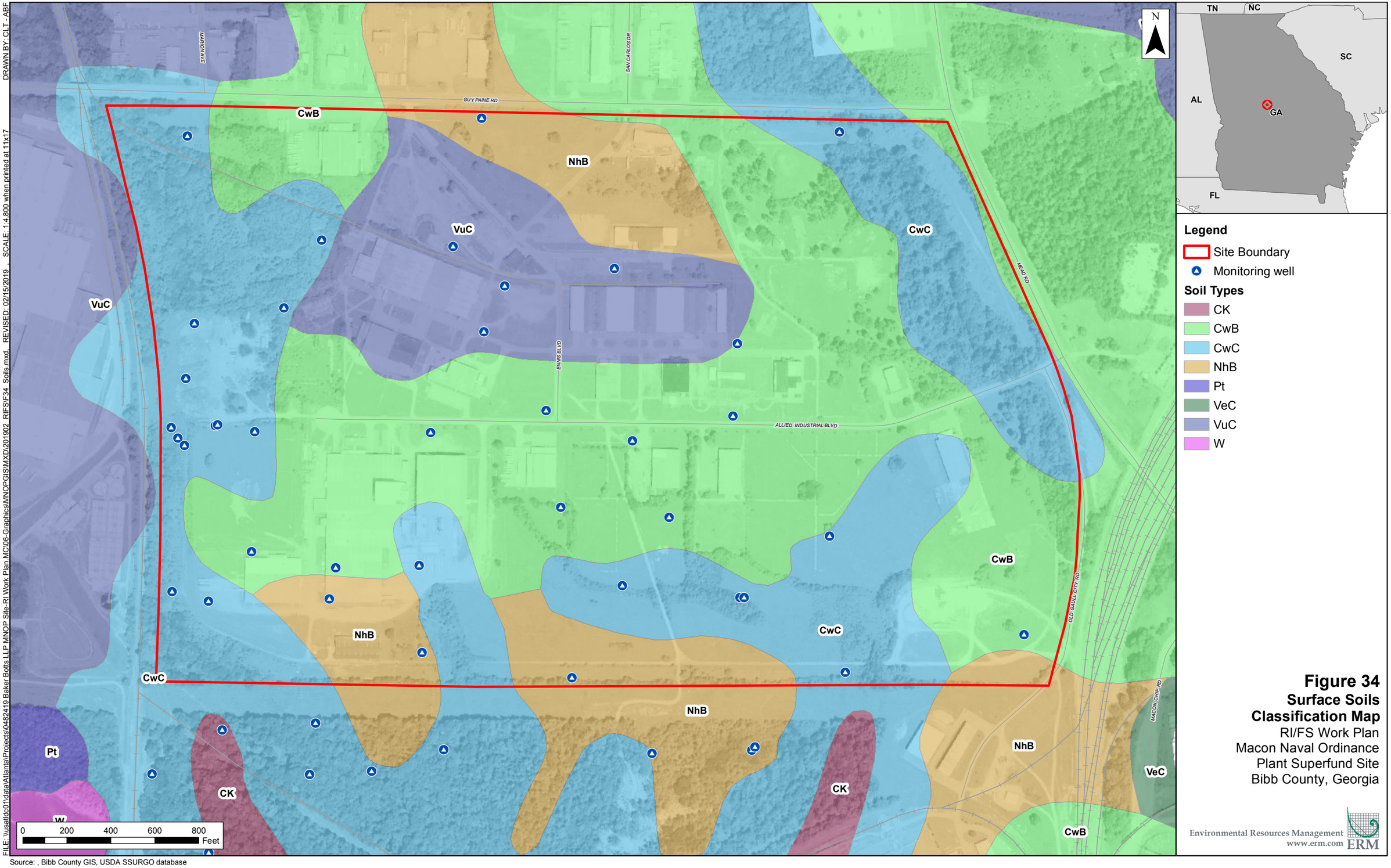


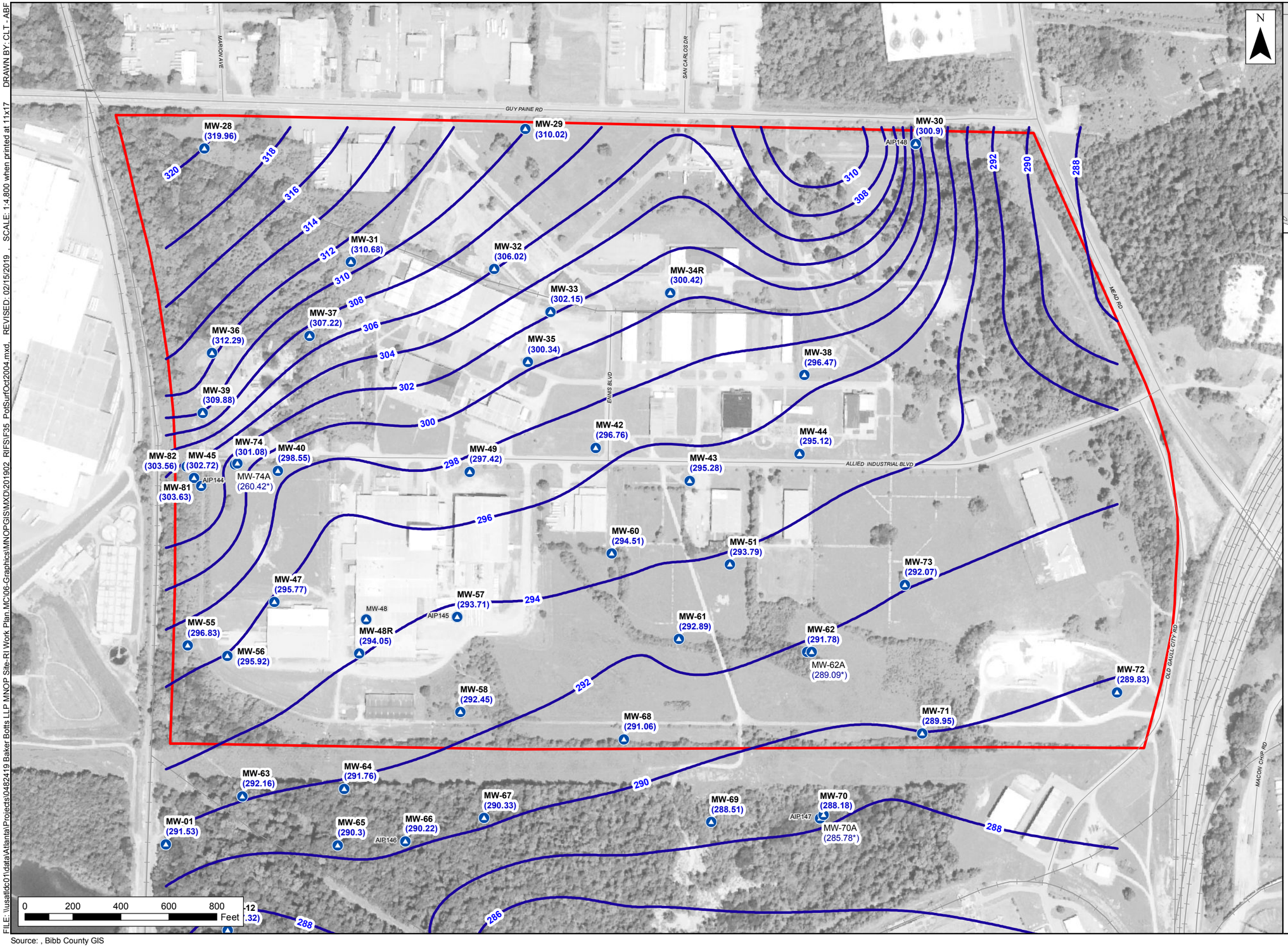
Figure 34
Surface Soils Classification Map
RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
www.erm.com

Source: , Bibb County GIS, USDA SSURGO database

FILE: \\usatlcd01\data\Atlanta\Projects\0482419 Baker Botts LLP MNOP Site-RI Work Plan MC\06-Graphics\MNOPGIS\MXD\201902_RIFSIF34_Soils.mxd, REVISED: 02/15/2019 , SCALE: 1:4,800 when printed at 11x17 DRAWN BY: CLT - ABF

FILE: \\satlfdc01\data\Atlanta\Projects\0482419 Baker Botts LLP MNOP Site-RI Work Plan.MC\06-Graphics\MNOPGIS\MXD\201902_RIFS\F35_PotSurfOct2004.mxd, REVISED: 02/15/2019 , SCALE: 1:4,800 when printed at 11x17 DRAWN BY: CLT - ABF



Legend

- Site Boundary
- Monitoring well
- Estimated Potentiometric Surface

(319.98) = Groundwater Elevation Measurement
(260.32*) = Deep Well Measurement (not used in contouring)

Notes:
Groundwater Surface Elevations shown in feet above mean sea level (ft msl).
Based on water table elevations collected during the October 2004 monitoring event.
Wells screened the in deeper interval (denoted with 'A') were not used in contour development.

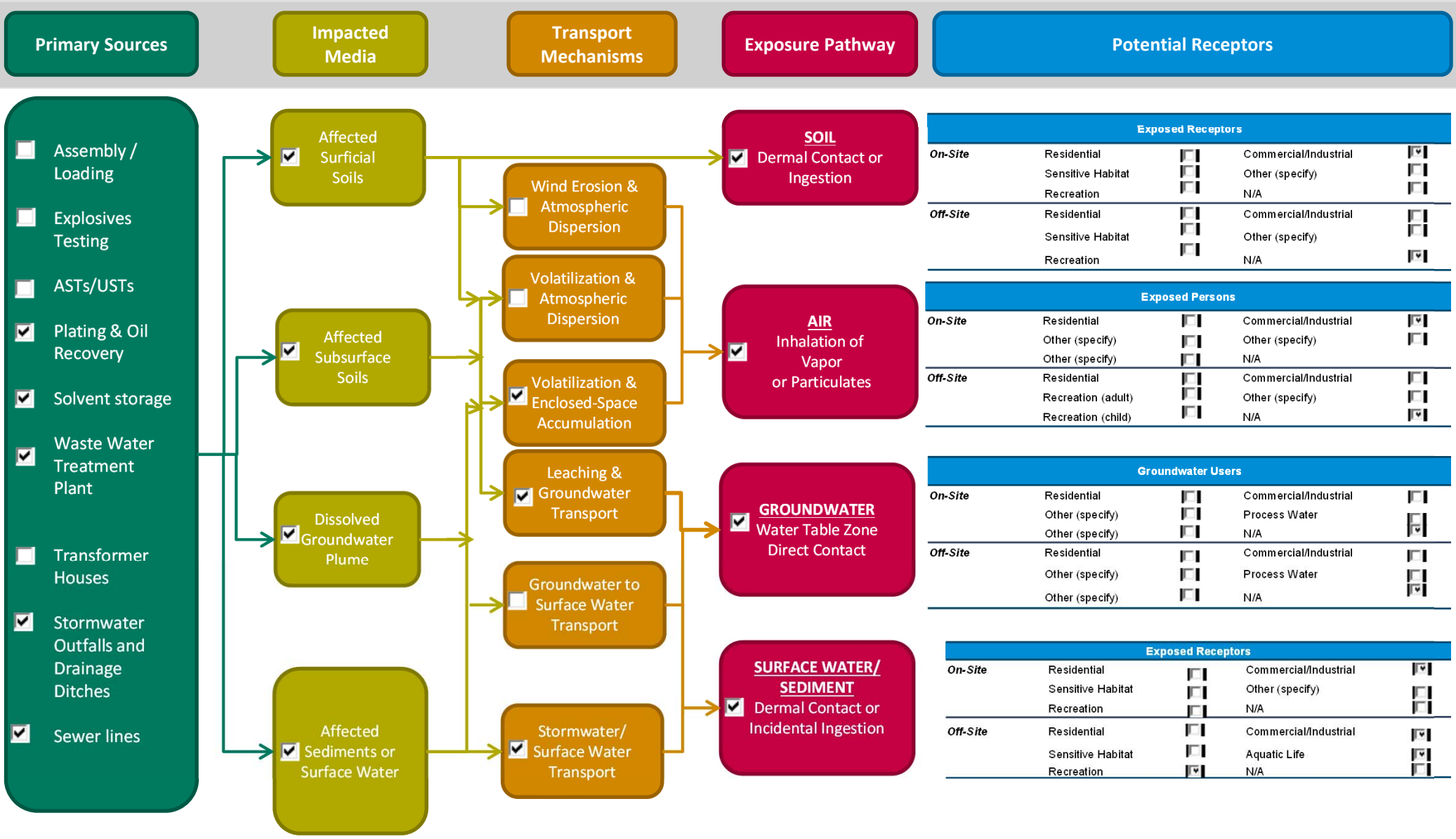
Source: , Bibb County GIS

Figure 35
Groundwater Potentimetric Surface - October 2004

RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
www.erm.com
ERM

Figure 36
Conceptual Site Model Summary
Macon Naval Ordinance Plant Super Fund Site



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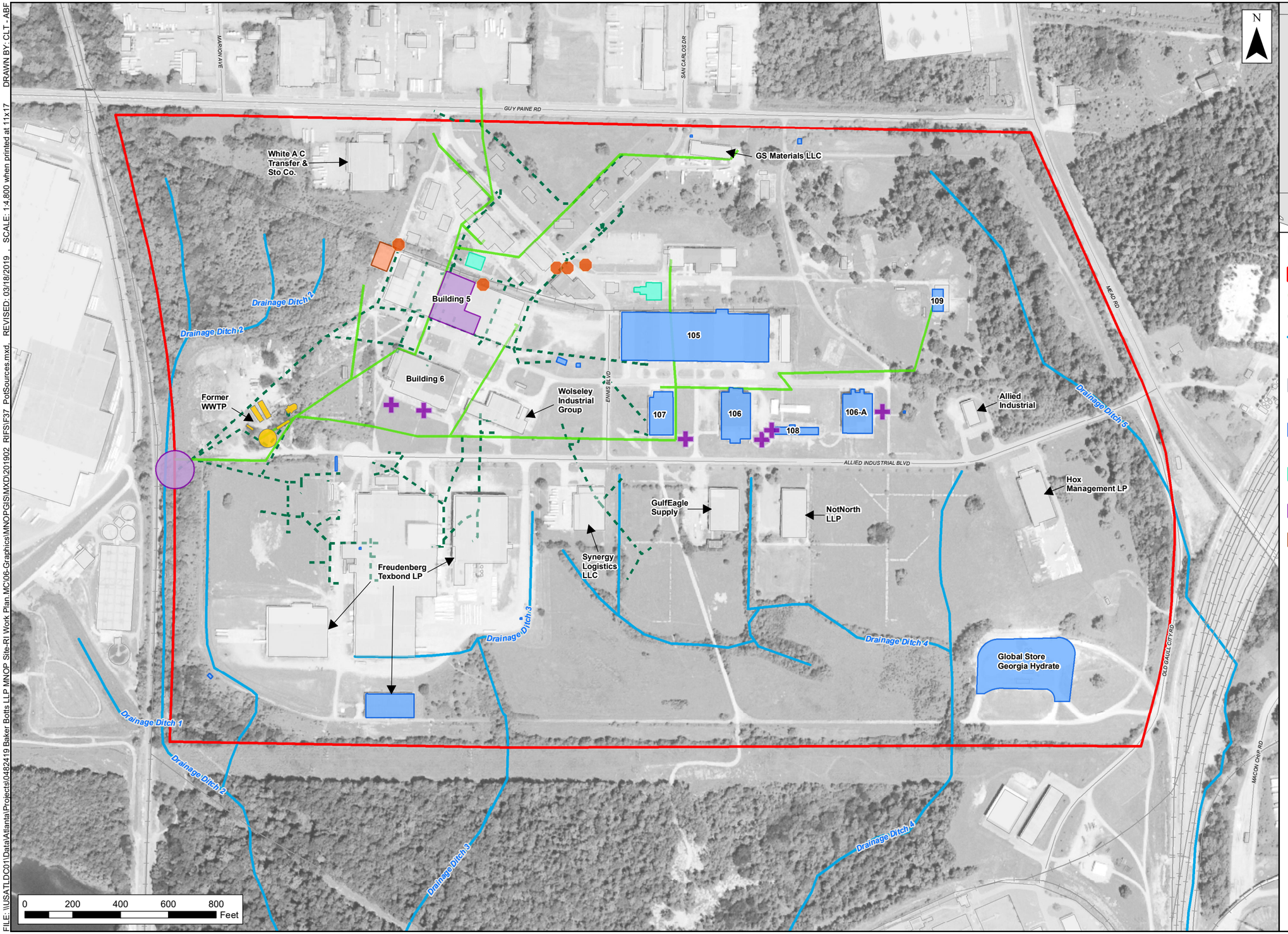

Legend

- Site Boundary
- Sanitary Sewer
- Storm Drain
- Site Drainage

Potential Source Areas

- Former Wastewater Treatment Plant
- Manufacturing, Machining, Storage and Loading of Explosives
- Former Powerhouses (and transformers)
- Former Metal Plating Operations
- Oil Recovery Operations
- Solvent Storage Building
- UST

Figure 37
Potential Sources of Contamination Map

Former Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
www.erm.com

Source: , Bibb County GIS

FILE: \\USATLDC01\Data\Atlanta\Projects\0482419 Baker Botts LLP MNOP Site-RI Work Plan MC\06-Graphics\MNOPGIS\MXD\201902_RIFS\F37_PotSources.mxd, REVISED: 03/18/2019 , SCALE: 1:4,800 when printed at 11x17 DRAWN BY: CLT - ABF

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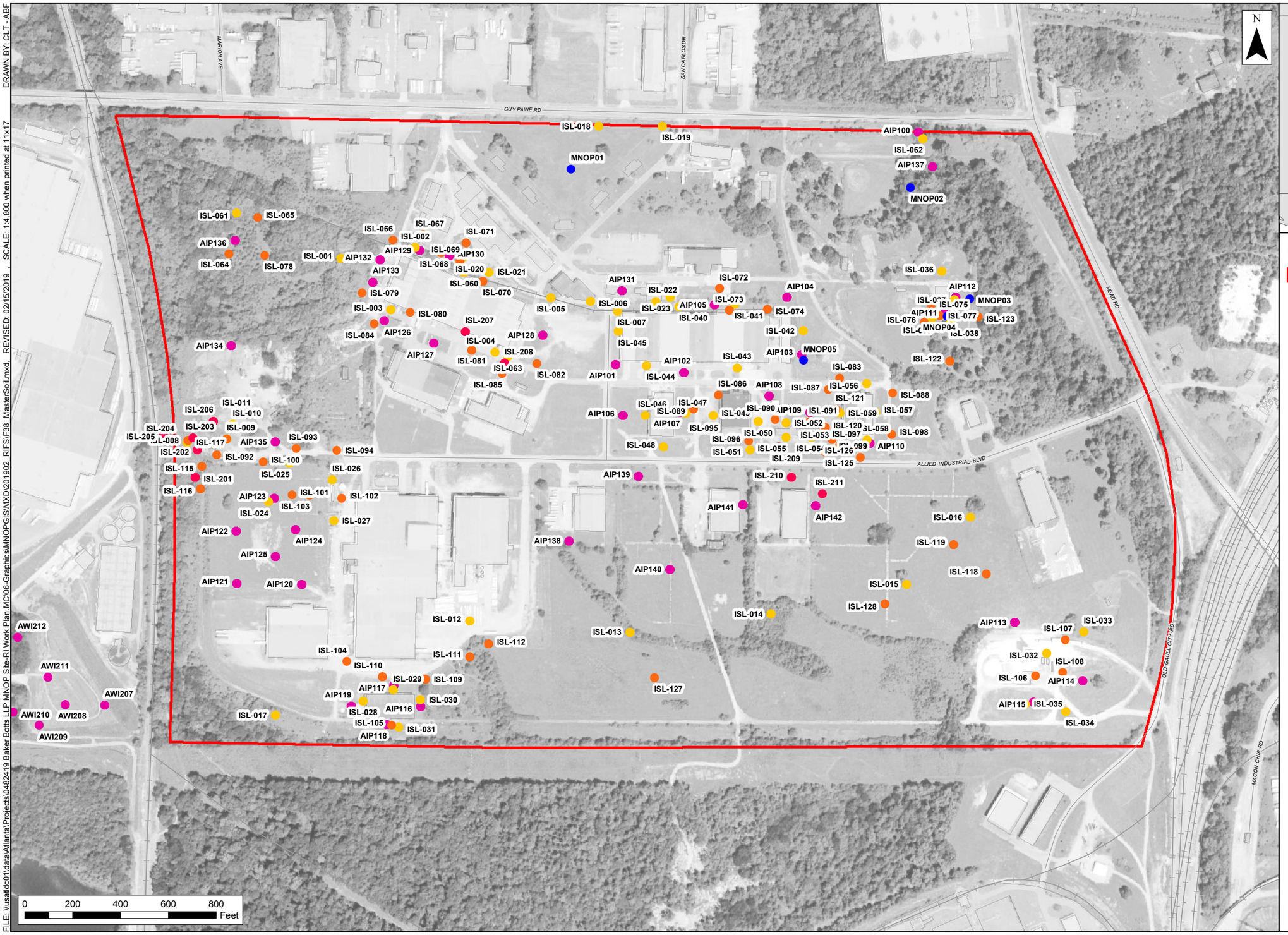


Legend

Site Boundary

Soil Sample Locations

- 1996
- 1998
- 2000
- 2009
- 2011

Figure 38
Master Soil Sample Locations [by Year]

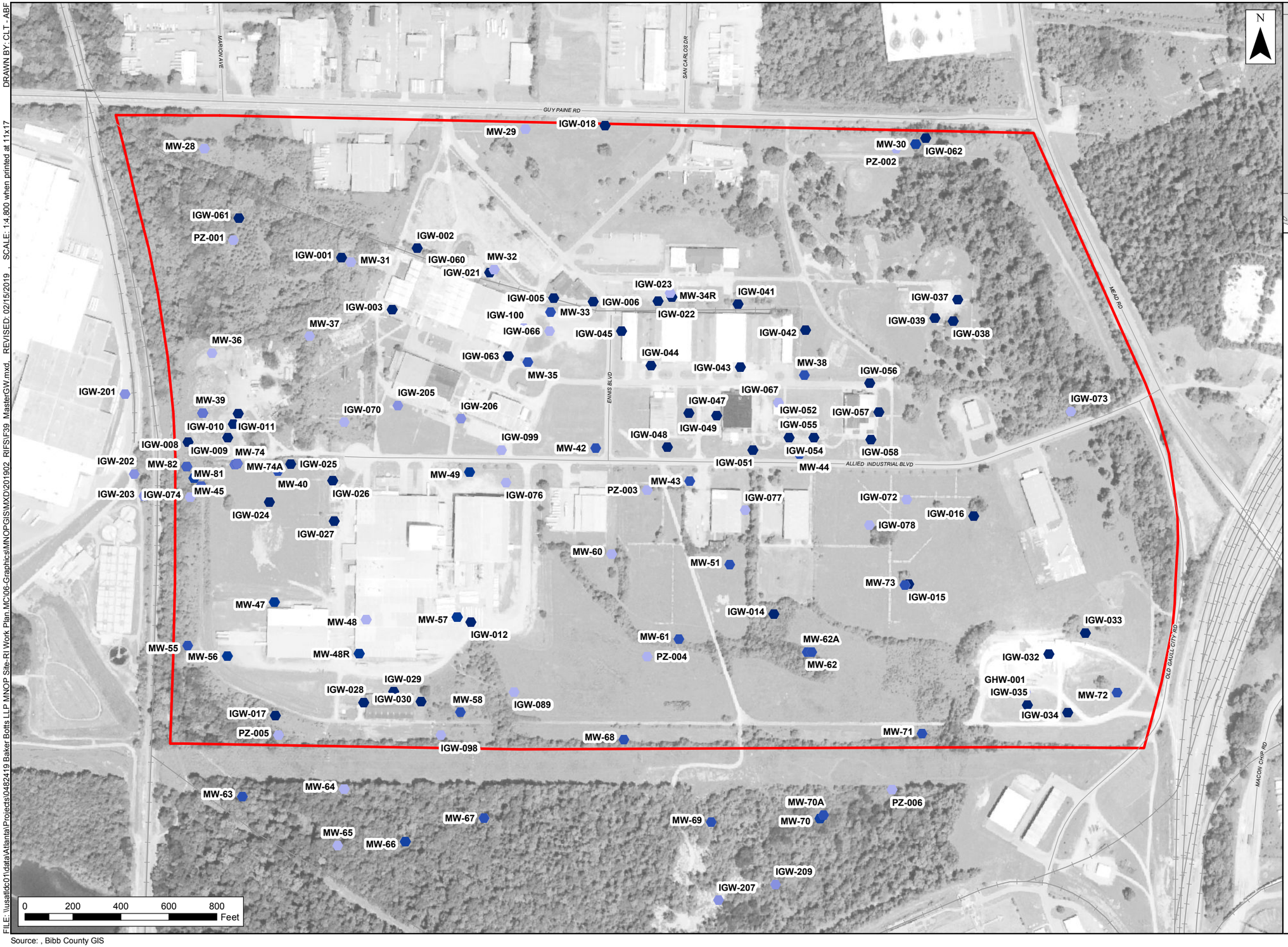
RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
www.erm.com

Source: , Bibb County GIS

DRAWN BY: CLT - ABF

FILE: \\usatlc01\data\Atlanta\Projects\0482419 Baker Botts LLP MNOP Site-RI Work Plan MC\06-Graphics\MNOPGIS\MXD\201902_RIFS\F39_MasterGW.mxd, REVISED: 02/15/2019 , SCALE: 1:4,800 when printed at 11x17



Legend

Site Boundary

Groundwater Locations

- 1996
- 1998
- 2000
- 2001
- 2003
- 2004
- 2009
- 2015

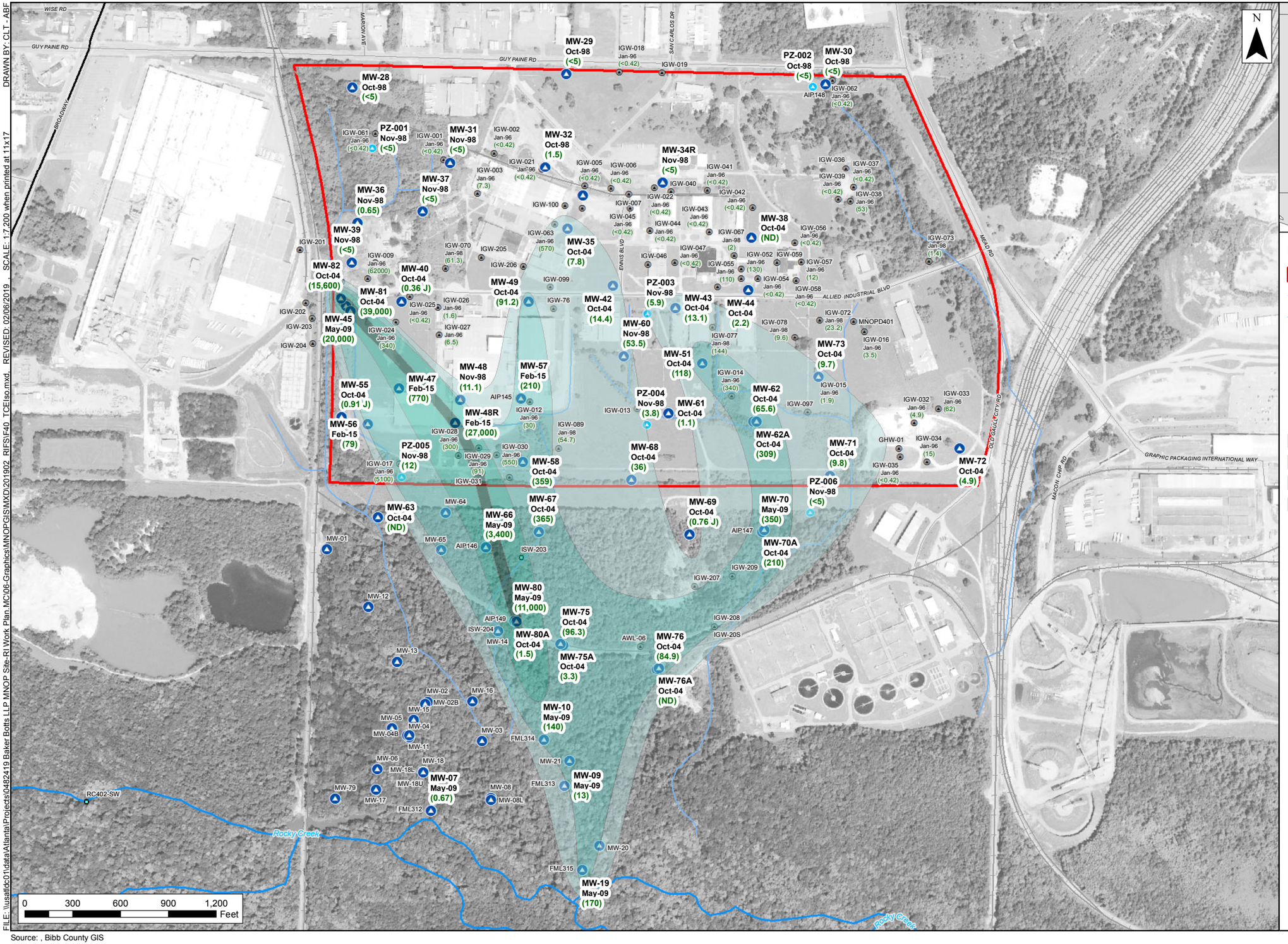
Figure 39

Master Groundwater Sample Locations [by Year]

RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
www.erm.com

Source: , Bibb County GIS



Legend

- Site Boundary
- River / Stream
- Site Drainage
- Monitoring well
- Piezometer
- Temporary Well
- Surface Water

TCE Isoconcentration Contours

- > 5,000 ug/L
- > 500 ug/L
- > 50 ug/L
- > 5 ug/L

(359) = Monitor Well Concentration
(570) = Temporary Point Concentration

Notes:
Most recent concentration of trichloroethene (TCE) shown for each groundwater sample location.
Date of sample collection provided for each location.
Concentrations shown in ug/L (micrograms per liter).

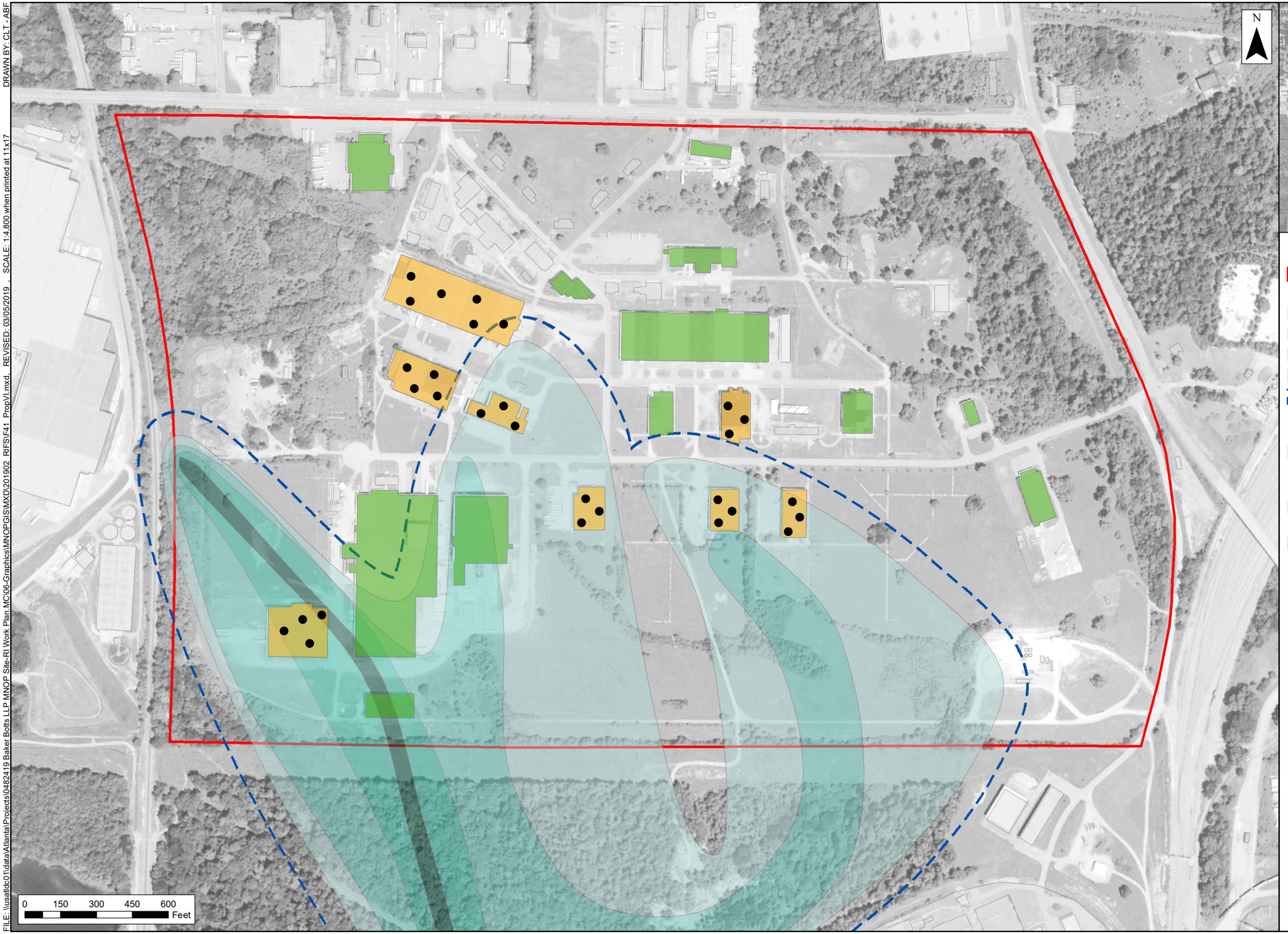
Figure 40
Trichloroethene Isoconcentration Contours [Most Recent]

RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
www.erm.com

Source: , Bibb County GIS

FILE: \\usatldc01\data\Atlanta\Projects\0482419 Baker Botts LLP MNOP Site-RI Work Plan.MC\06-Graphics\MNOPGIS\MXD\201902_RIFS_F40_TCEIso.mxd, REVISED: 02/06/2019 , SCALE: 1:7,200 when printed at 11x17 DRAWN BY: CLT - ABF



Legend

- Site Boundary

TCE Isoconcentration Contours

- > 5,000 ug/L
- > 500 ug/L
- > 50 ug/L
- > 5 ug/L
- Contour Buffer (100 ft)

Proposed Vapor Intrusion Activities

- Building included for further VI evaluation due to close proximity to groundwater plume and/or analytical detections
- Building excluded from further VI evaluation based on distance to groundwater plume and/or lack of or low analytical detections
- Building no longer exists
- Proposed co-located indoor air and sub-slab soil gas sample location

Note:
One outdoor ambient air sample will be collected on the upwind side of each building included for further VI evaluation.

Figure 41
Proposed VI Investigation
RI/FS Work Plan
Macon Naval Ordinance
Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
www.erm.com
ERM

Source: , Bibb County GIS

FILE: \\seatdc01\data\Atlanta\Projects\0482419 Baker Botts LLP MNOP Site-RI Work Plan.MC\06-Graphics\MNOPGIS\MXD\201902_RIFS\F41_PropVI.mxd, REVISED: 03/05/2019 , SCALE: 1:4,800 when printed at 11x17 DRAWN BY: CLT - ABF

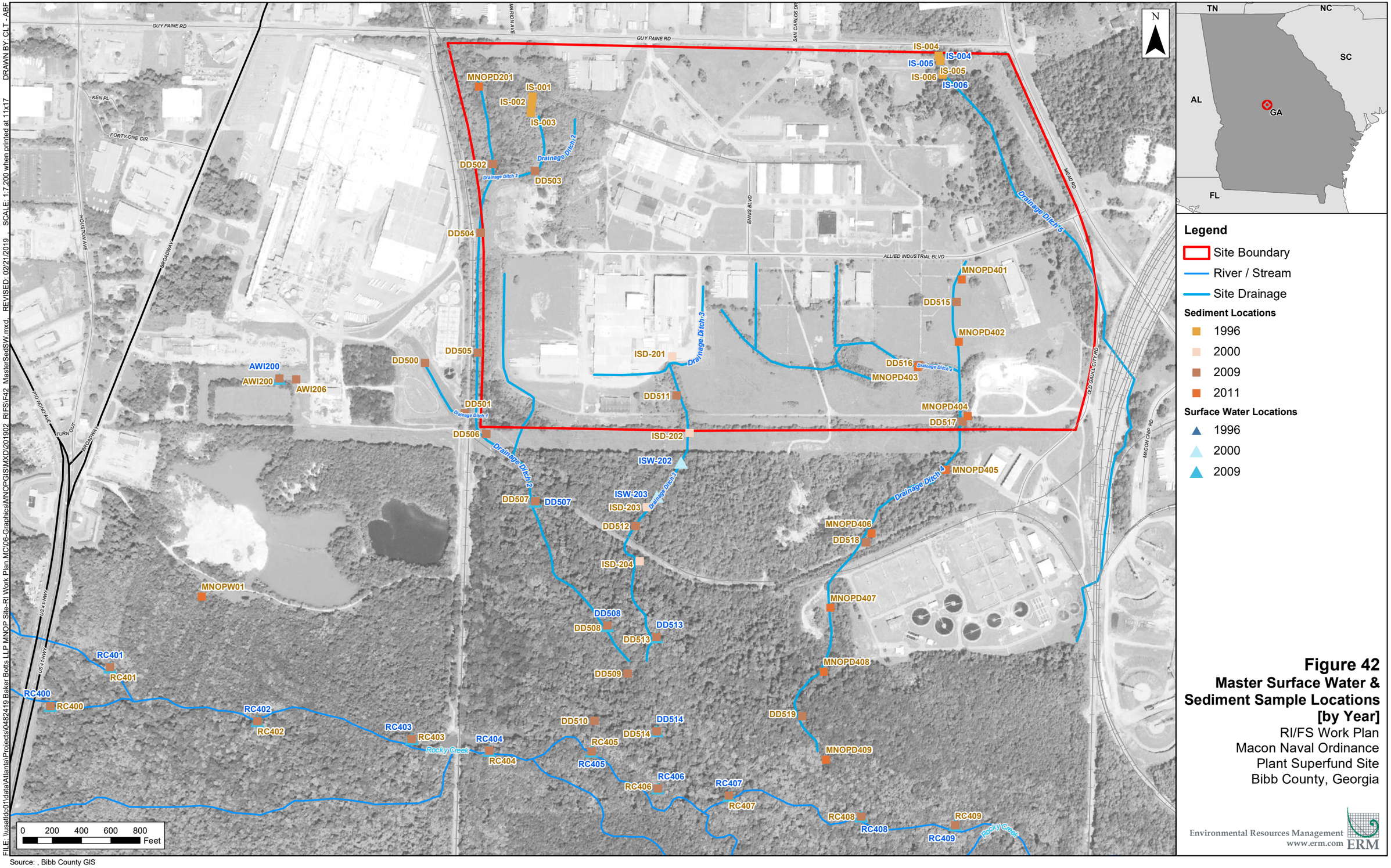


Figure 42
Master Surface Water & Sediment Sample Locations [by Year]
RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
www.erm.com

Source: , Bibb County GIS

FILE: \\usatlc01\data\Atlanta\Projects\0482419 Baker Botts LLP MNOP Site-RI Work Plan.MC\06-Graphics\MNOPGIS\MXD\20190902_RIFSIF42_MasterSedSW.mxd, REVISED: 02/21/2019, SCALE: 1:7,200 when printed at 11x17 DRAWN BY: CLT - ABF

FILE: \\usatldc01\data\Atlanta\Projects\0482419 Baker Botts LLP MNOP Site-RI Work Plan MC\06-Graphics\MNOPGIS\MXD\201902_RIFS\F43_PCBDitch.mxd REVISED: 02/13/2019 , SCALE: 1:4,800 when printed at 11x17 DRAWN BY: CLT - ABF

ENNIS BLVD

ALLIED INDUSTRIAL BLVD

MEAD RD

OLD GAHL CITY RD

MACON CHIP RD

GRAPHIC PACKAGING INTERNATIONAL WAY

DD-516-SD-DUP
5/14/2009
Aroclor 1016: <0.038
Aroclor 1221: <0.038
Aroclor 1232: <0.038
Aroclor 1242: <0.038
Aroclor 1248: <0.038
Aroclor 1254: <0.038
Aroclor 1260: <0.038
Aroclor 1262: <0.038
Aroclor 1268: <0.038

DD-515-SD
5/14/2009
Aroclor 1016: <0.041
Aroclor 1221: <0.041
Aroclor 1232: <0.041
Aroclor 1242: <0.041
Aroclor 1248: <0.041
Aroclor 1254: <0.041
Aroclor 1260: <0.041
Aroclor 1262: <0.041
Aroclor 1268: <0.041

DD-516-SD
5/14/2009
Aroclor 1016: <0.036
Aroclor 1221: <0.036
Aroclor 1232: <0.036
Aroclor 1242: <0.036
Aroclor 1248: <0.036
Aroclor 1254: <0.036
Aroclor 1260: <0.036
Aroclor 1262: <0.036
Aroclor 1268: <0.036

DD-517-SD
5/14/2009
Aroclor 1016: <0.038
Aroclor 1221: <0.038
Aroclor 1232: <0.038
Aroclor 1242: <0.038
Aroclor 1248: <0.038
Aroclor 1254: <0.038
Aroclor 1260: <0.038
Aroclor 1262: <0.038
Aroclor 1268: <0.038

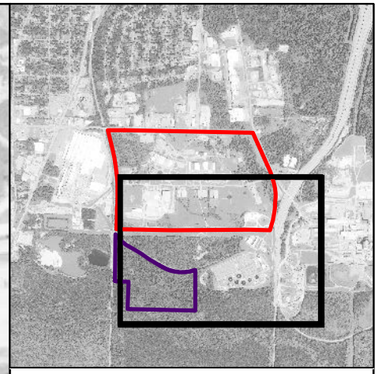
DD-518-SD
5/14/2009
Aroclor 1016: <0.045
Aroclor 1221: <0.045
Aroclor 1232: <0.045
Aroclor 1242: <0.045
Aroclor 1248: <0.045
Aroclor 1254: <0.045
Aroclor 1260: <0.045
Aroclor 1262: <0.045
Aroclor 1268: <0.045

DD-519-SD
5/14/2009
Aroclor 1016: <0.13
Aroclor 1221: <0.13
Aroclor 1232: <0.13
Aroclor 1242: <0.13
Aroclor 1248: 0.99
Aroclor 1254: 0.92
Aroclor 1260: 0.23
Aroclor 1262: <0.13
Aroclor 1268: <0.13

Rocky Creek

0 200 400 600 800 Feet

N



Legend

- Site Boundary
- Landfill Boundary
- River / Stream
- Site Drainage
- Ditch 4 Investigation

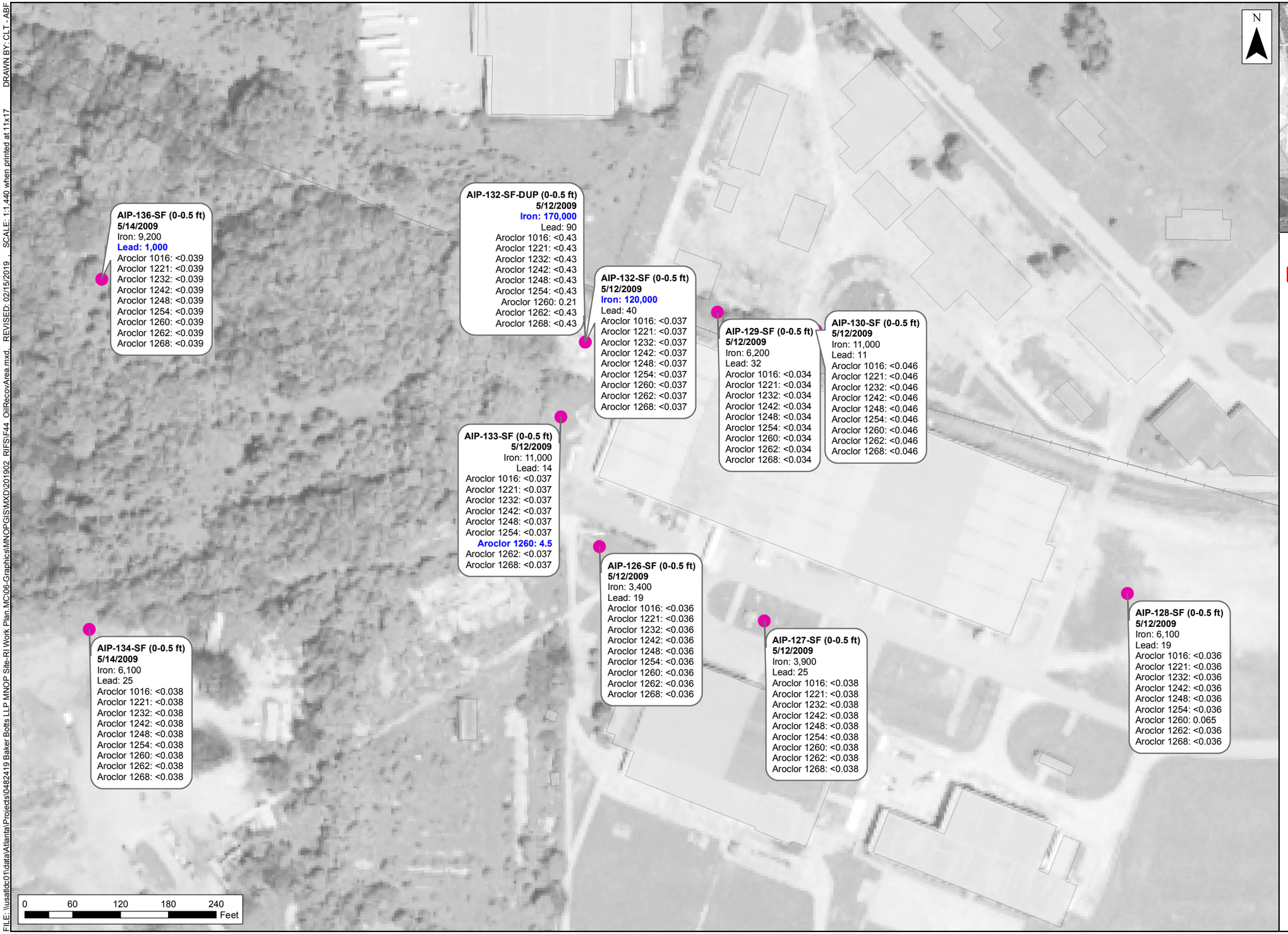
Constituent	Soil RSL (mg/kg)
Aroclor 1260	0.99

Figure 43
PCB Sample Locations Human Health Interval Ditch 4 Area

RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
www.erm.com

Source:



Legend

Site Boundary

PCB Sample Location

Investigation

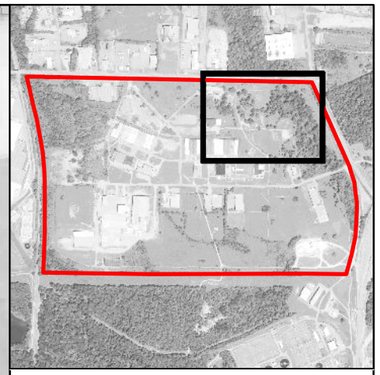
Constituent	Soil RSL (mg/kg)
Iron	82,000
Aroclor 1260	0.99
Lead	800

Figure 44
Sample Locations
Human Health Interval
Northwest Part of Site
RI/FS Work Plan
Macon Naval Ordinance
Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
www.erm.com

Source:

FILE: \\usatl4c01\data\Atlanta\Projects\0482419 Baker Botts LLP MNOP Site-RI Work Plan MC\06-Graphics\MNOPGIS\MXD\201902_RIFS\F44_OilRecovArea.mxd, REVISED: 02/15/2019, SCALE: 1:1,440 when printed at 11x17, DRAWN BY: CLT - ABF



Legend

Site Boundary

PCB Sample Location

Background

Investigation

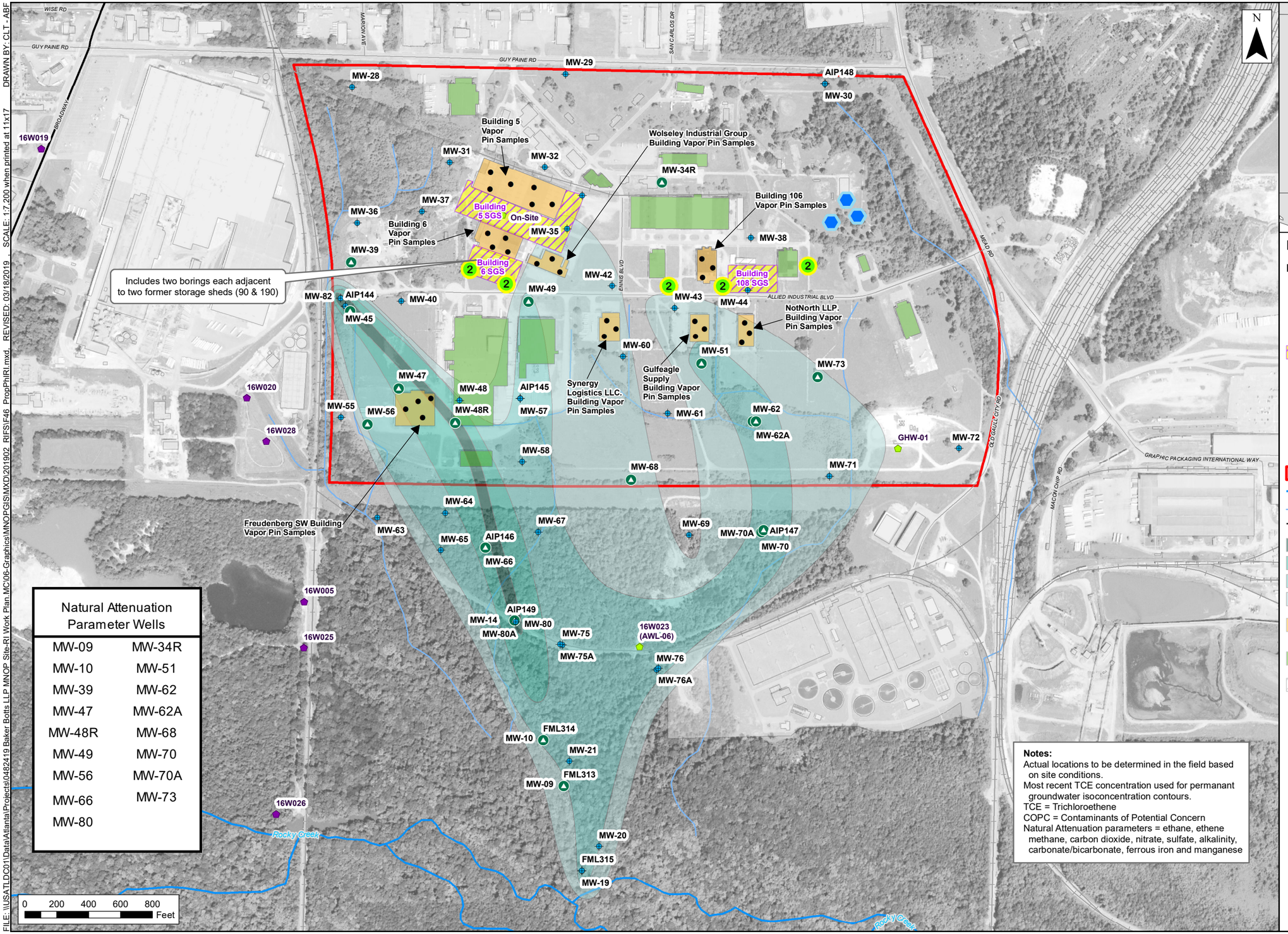
Constituent	Soil RSL (mg/kg)
Aroclor 1260	0.99

Figure 45
PCB Sample Locations
Human Health Interval
Ball Field Area
RI/FS Work Plan
Macon Naval Ordinance
Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
www.erm.com
ERM

Source:

DRAWN BY: CLT - ABF
SCALE: 1:7,200 when printed at 11x17
REVISED: 03/18/2019
FILE: \\USATLDC01\Data\Atlanta\Projects\0482419 Baker Botts LLP MNOP Site-RI Work Plan.MC\06-Graphics\MNOPGIS\MXD\201902_RIFSIF46_PropPhIRI.mxd



Natural Attenuation Parameter Wells	
MW-09	MW-34R
MW-10	MW-51
MW-39	MW-62
MW-47	MW-62A
MW-48R	MW-68
MW-49	MW-70
MW-56	MW-70A
MW-66	MW-73
MW-80	

Legend

Proposed Sample Locations

- Two DPT Borings Adjacent to each Former Solvent Storage Shed
- Proposed Surface PCB Sample Location (shallow)
- Proposed Area of Passive Soil Gas Survey & DPT Investigation
- Wells to be Sampled for COPCs
- Wells to be Sampled for COPCs and Natural Attenuation Parameters
- Water Supply Wells to be sampled for COPCs
- Other Water Supply Wells
- Site Boundary
- River / Stream
- Site Drainage

TCE Isoconcentration Contours

- > 5,000 ug/L
- > 500 ug/L
- > 50 ug/L
- > 5 ug/L
- Building included for further VI evaluation
- Building excluded from further VI evaluation
- Building no longer exists
- Proposed co-located indoor air and sub-slab soil gas sample location

Notes:
Actual locations to be determined in the field based on site conditions.
Most recent TCE concentration used for permanant groundwater isoconcentration contours.
TCE = Trichloroethene
COPC = Contaminants of Potential Concern
Natural Attenuation parameters = ethane, ethene methane, carbon dioxide, nitrate, sulfate, alkalinity, carbonate/bicarbonate, ferrous iron and manganese

Figure 46
Proposed Phase I Remedial Investigation
RI/FS Work Plan
Macon Naval Ordinance Plant Superfund Site
Bibb County, Georgia

Environmental Resources Management
www.erm.com

Source:

APPENDIX A COMPREHENSIVE ANALYTICAL DATA: SOIL

(electronic only)

The Excel files are also attached to this PDF. Click on the paperclip if they do not show to the left.

Table A1
Soil Sample Results Summary: Inorganics and PCBs
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

		Subfacility	AIP	AIP	AIP	AIP
		Area	Background (Site)	Background (Site)	Background (Site)	Background (Site)
		Location	AIP100	AIP100	ISL-018	ISL-018
		Sample Date	5/14/2009	5/14/2009	1/1/1996	1/1/1996
		Sample ID	R4-C092301-21	R4-C092301-20	ISL-018-1-2-19960101	ISL-018-55-56-19960101
		ERM Sample ID	AIP100-20090514	AIP100-20090514	ISL-018-19960101	ISL-018-19960101
		Sample Interval	0 - 6	12 - 24	1 - 2	55 - 56
		Sample Type	N	N	N	N
Chemical Name	**CAS No.**	**Units**				
Inorganics (mg/kg)						
Aluminum	7429-90-5	mg/kg	**6600**	**8900**		
Antimony	7440-36-0	mg/kg	**0.82 J,O**		< 2.6 U	< 2.5 U
Arsenic	7440-38-2	mg/kg	**2.2 J,O**	**1.9 J,O**		
Barium	7440-39-3	mg/kg	**53**	**34**		
Beryllium	7440-41-7	mg/kg	< 0.58 U,J,O	< 0.59 U,J,O	**0.29 J**	**0.028 J**
Cadmium	7440-43-9	mg/kg	< 0.58 U	< 0.59 U	< 0.22 U	< 0.21 U
Calcium	7440-70-2	mg/kg	**1400**	**210 J,O**		
Chromium	7440-47-3	mg/kg	**170**	**18**	**18.3**	**5.68**
Cobalt	7440-48-4	mg/kg	< 5.8 U,J,O	< 5.9 U,J,O		
Copper	7440-50-8	mg/kg	**34**	**5.9**	**6.2**	**1.37**
Cyanide CN-	57-12-5	mg/kg	< 2.9 U	< 3.0 U		
Iron	7439-89-6	mg/kg	**12000**	**12000**		
Lead	7439-92-1	mg/kg	**57**	**11**	**9.4**	**2.44**
Magnesium	7439-95-4	mg/kg	**640**	**88 J,O**		
Manganese	7439-96-5	mg/kg	**150**	**260**		
Mercury	7439-97-6	mg/kg	< 0.12 U	< 0.12 U	**0.13**	< 0.028 U
Nickel	7440-02-0	mg/kg	**3.6 J,O**	**1.7 J,O**	**5.23**	**4.1**
Potassium	7440-09-7	mg/kg	**330 J,O**	**74 J,O**		
Selenium	7782-49-2	mg/kg			< 0.086 U	< 0.082 U
Silver	7440-22-4	mg/kg	< 1.2 U	< 1.2 U	< 0.23 U	< 0.22 U
Sodium	7440-23-5	mg/kg	**24 J,O**	**13 J,O**		

AIP Background (Site) ISL-019 1/1/1996 ISL-019-1-2-19960101 ISL-019-19960101 1 - 2 N	AIP Background (Site) ISL-019 1/1/1996 ISL-019-70-71-19960101 ISL-019-19960101 70 - 71 N	AIP Background (Site) ISL-061 1/1/1996 ISL-061-1-2-19960101 ISL-061-19960101 1 - 2 N	AIP Background (Site) ISL-062 1/1/1996 ISL-062-1-2-19960101 ISL-062-19960101 1 - 2 N	AIP Background (Site) ISL-062 1/1/1996 ISL-062-15-16-19960101 ISL-062-19960101 15 - 16 N	AIP Background (Site) MNOP01 6/29/2011 R4-E112801-01 MNOP01-20110629 0 - 6 N	AIP MNOP Site AIP101 5/12/2009 R4-C092301-23 AIP101-20090512 0 - 6 N
						6600
< 2.6 U	< 2.5 U	< 2.5 U	< 2.6 U	< 2.6 U		
						2.3
						24
0.34 J	**0.024 J**	**0.14 J**	**0.16 J**	**0.036 J**		< 0.55 U,J,O
0.28 J	< 0.21 U	**0.36 J**	**0.21 J**	< 0.21 U		< 0.55 U
						490 J,O
24.3	**1.56**	**9.71**	**10.7**	**8.42**		**14**
						< 5.5 U,J,O
8.67	< 0.82 U	**4.93**	**3.69**	**1.59**		**9.0**
						< 2.8 U
						14000
10.3	**4.89**	**15.2**	**5.81**	**3.07**		**18**
						130 J,O
						80
0.14	< 0.028 U	**0.044 J**	< 0.028 U	< 0.028 U	**0.073 J,O**	**0.023 J,O**
7.12	< 0.062 U	**3**	**2.28 J**	**0.68 J**		**8.1 J,O**
						140 J,O
< 0.086 U	**0.678**	**0.48 J**	< 0.084 U	< 0.084 U		< 3.9 U,J,O
< 0.23 U	< 0.22 U	< 0.21 U	< 0.22 U	< 0.22 U		< 1.1 U
						8.9 J,O

AIP MNOP Site AIP101 5/12/2009 R4-C092301-22 AIP101-20090512 12 - 24 N	AIP MNOP Site AIP102 5/12/2009 R4-C092301-25 AIP102-20090512 0 - 6 N	AIP MNOP Site AIP102 5/12/2009 R4-C092301-24 AIP102-20090512 12 - 24 N	AIP MNOP Site AIP103 5/12/2009 R4-C092301-27 AIP103-20090512 0 - 6 N	AIP MNOP Site AIP103 5/12/2009 R4-C092301-26 AIP103-20090512 12 - 24 N	AIP MNOP Site AIP104 5/12/2009 R4-C092301-30 AIP104-20090512 0 - 6 N	AIP MNOP Site AIP104 5/12/2009 R4-C092301-28 AIP104-20090512 12 - 24 N	AIP MNOP Site AIP104 5/12/2009 R4-C092301-29 AIP104-20090512 12 - 24 FD	AIP MNOP Site AIP105 5/12/2009 R4-C092301-31 AIP105-20090512 12 - 24 N
8700	**5100**	**9800**	**6400**	**9000**	**6200**	**6200**	**6100**	**4500**
1.9	**1.8**	**2.5**	**2.8**	**1.8**	**2.8**	**2.7**	**2.4**	**0.52 J,O**
11 J,O	**37**	**18 J,O**	**23 J,O**	< 24 U,J,O	**24**	< 23 U,J,O	< 23 U,J,O	< 23 U,J,O
0.095 J	< 0.55 U,J,O	< 0.57 U,J,O	< 0.57 U,J,O	< 0.61 U,J,O	< 0.56 U,J,O	< 0.58 U,J,O	< 0.58 U,J,O	< 0.58 U,J,O
< 0.58 U	**0.36 J,O**	< 0.57 U	< 0.57 U	< 0.61 U	< 0.56 U	< 0.58 U	< 0.58 U	< 0.58 U
230 J,O	**550**	**320 J,O**	**440 J,O**	**150 J,O**	**400 J,O**	**50 J,O**	**66 J,O**	**230 J,O**
21	**10**	**19**	**24**	**53**	**19**	**37**	**37**	**22**
< 5.8 U,J,O	< 5.5 U,J,O	< 5.7 U,J,O	< 5.7 U,J,O	< 6.1 U	< 5.6 U,J,O	< 5.8 U	< 5.8 U	< 5.8 U
4.1	**9.7**	**4.0**	**5.2**	**8.0**	**3.7**	**4.2**	**4.0**	**4.8**
< 2.9 U	< 2.7 U	< 2.8 U	< 2.9 U	< 3.1 U	< 2.8 U	< 2.9 U	< 2.9 U	< 2.9 U
18000	**7800**	**18000**	**21000**	**60000**	**16000**	**31000**	**34000**	**20000**
5.5	**20**	**7.6**	**14**	**9.2**	**12**	**6.3**	**6.4**	**3.8**
100 J,O	**140 J,O**	**110 J,O**	**75 J,O**	**47 J,O**	**100 J,O**	**28 J,O**	**38 J,O**	**22 J,O**
15	**130**	**34**	**100**	**9.7**	**170**	**41**	**48**	**8.6**
< 0.12 U	**0.030 J,O**	**0.031 J,O**	**0.060 J,O**	**0.13 J,O**	< 0.11 U	< 0.12 U	< 0.12 U	< 0.12 U
1.3 J,O	**2.0 J,O**	**1.7 J,O**	**1.1 J,O**	< 4.9 U	**1.4 J,O**	**0.62 J,O**	**0.56 J,O**	< 4.6 U
70 J,O	**62 J,O**	**75 J,O**	**69 J,O**	**50 J,O**	**87 J,O**	**49 J,O**	**49 J,O**	**22 J,O**
< 4.1 U,J,O	< 3.8 U,J,O	< 4.0 U,J,O	< 4.0 U,J,O	< 4.3 U,J,O	< 3.9 U,J,O	< 4.1 U,J,O	< 4.0 U,J,O	< 4.0 U,J,O
< 1.2 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.2 U	< 1.1 U	< 1.2 U	< 1.2 U	< 1.2 U
9.1 J,O	**5.3 J,O**	**8.2 J,O**	**12 J,O**	**20 J,O**	**9.4 J,O**	**16 J,O**	**16 J,O**	**5.4 J,O**

AIP MNOP Site AIP105 5/12/2009 R4-C092301-32 AIP105-20090512 0 - 6 N	AIP MNOP Site AIP106 5/11/2009 R4-C092301-34 AIP106-20090511 0 - 6 N	AIP MNOP Site AIP106 5/11/2009 R4-C092301-33 AIP106-20090511 12 - 24 N	AIP MNOP Site AIP107 5/11/2009 R4-C092301-36 AIP107-20090511 0 - 6 N	AIP MNOP Site AIP107 5/11/2009 R4-C092301-35 AIP107-20090511 12 - 24 N	AIP MNOP Site AIP108 5/11/2009 R4-C092301-38 AIP108-20090511 0 - 6 N	AIP MNOP Site AIP108 5/11/2009 R4-C092301-37 AIP108-20090511 12 - 24 N	AIP MNOP Site AIP109 5/11/2009 R4-C092301-40 AIP109-20090511 0 - 6 N	AIP MNOP Site AIP109 5/11/2009 R4-C092301-39 AIP109-20090511 12 - 24 N
3400	**6300**	**7300**	**4200**	**12000**	**6600**	**6100**	**3700**	**6900**
1.2	**2.1**	**2.1**	**2.0**	**2.7**	**2.3**	**2.3**	**1.6**	**2.5**
26	**26**	**26**	**20 J,O**	**37**	**31**	**7.8 J,O**	**26**	< 24 U,J,O
< 0.54 U,J,O	< 0.56 U,J,O	< 0.56 U,J,O	< 0.58 U,J,O	< 0.58 U,J,O	< 0.58 U,J,O	< 0.57 U,J,O	< 0.56 U,J,O	< 0.59 U,J,O
0.029 J,O	< 0.56 U	< 0.56 U	< 0.58 U	< 0.58 U	< 0.58 U	< 0.57 U	< 0.56 U	< 0.59 U
400 J,O	**650**	**280 J,O**	**660**	**300 J,O**	**750**	**310 J,O**	**360 J,O**	**180 J,O**
7.4	**13**	**14**	**15**	**24**	**12**	**25**	**7.2**	**39**
< 5.4 U,J,O	< 5.6 U,J,O	< 5.6 U,J,O	< 5.8 U,J,O	< 5.8 U,J,O	< 5.8 U,J,O	< 5.7 U	< 5.6 U,J,O	< 5.9 U
5.0	**4.2**	**3.5**	**4.8**	**3.8**	**11**	**3.3**	**2.4**	**4.0**
< 2.7 U	< 2.8 U	< 2.8 U	< 2.9 U	< 2.9 U	< 2.9 U	< 2.9 U	< 2.8 U	< 3.0 U
4600	**11000**	**12000**	**12000**	**15000**	**9800**	**23000**	**5800**	**27000**
20	**13**	**6.7**	**21**	**9.4**	**20**	**6.0**	**9.8**	**5.0**
140 J,O	**130 J,O**	**92 J,O**	**140 J,O**	**190 J,O**	**170 J,O**	**86 J,O**	**48 J,O**	**53 J,O**
120	**94**	**140**	**120**	**48**	**110**	**41**	**140**	**17**
< 0.11 U	**0.022 J,O**	**0.043 J,O**	< 0.12 U	**0.067 J,O**	**0.022 J,O**	< 0.12 U	< 0.12 U	< 0.12 U
2.0 J,O	**1.6 J,O**	**1.5 J,O**	**1.0 J,O**	**2.9 J,O**	**1.8 J,O**	**0.67 J,O**	**0.96 J,O**	**0.38 J,O**
78 J,O	**120 J,O**	**77 J,O**	**64 J,O**	**140 J,O**	**110 J,O**	**59 J,O**	**57 J,O**	**50 J,O**
< 3.8 U,J,O	< 3.9 U,J,O	< 3.9 U,J,O	< 4.1 U,J,O	< 4.1 U,J,O	< 4.0 U,J,O	< 4.0 U,J,O	< 3.9 U,J,O	< 4.2 U,J,O
< 1.1 U	< 1.1 U	< 1.1 U	< 1.2 U	< 1.2 U	< 1.2 U	< 1.1 U	< 1.1 U	< 1.2 U
4.2 J,O	**8.1 J,O**	**6.3 J,O**	**5.2 J,O**	**5.9 J,O**	**11 J,O**	**5.8 J,O**	**5.0 J,O**	**5.2 J,O**

AIP MNOP Site AIP110 5/11/2009 R4-C092301-42 AIP110-20090511 0 - 6 N	AIP MNOP Site AIP110 5/11/2009 R4-C092301-41 AIP110-20090511 12 - 24 N	AIP MNOP Site AIP111 5/14/2009 R4-C092301-44 AIP111-20090514 0 - 6 N	AIP MNOP Site AIP111 5/14/2009 R4-C092301-43 AIP111-20090514 12 - 24 N	AIP MNOP Site AIP112 5/14/2009 R4-C092301-46 AIP112-20090514 0 - 6 N	AIP MNOP Site AIP112 5/14/2009 R4-C092301-45 AIP112-20090514 12 - 24 N	AIP MNOP Site AIP113 5/14/2009 R4-C092301-48 AIP113-20090514 0 - 6 N	AIP MNOP Site AIP113 5/14/2009 R4-C092301-47 AIP113-20090514 12 - 24 N	AIP MNOP Site AIP114 5/14/2009 R4-C092301-50 AIP114-20090514 0 - 6 N
4600	**8800**	**4200**	**4200**	**6500**	**7700**	**6200**	**6000**	**4600**
< 6.6 U,J,O	< 6.8 U,J,O							
1.1 J,O	**1.3 J,O**	**1.5 J,O**	**1.2 J,O**	**1.5 J,O**	**1.2 J,O**	**1.6 J,O**	**1.6 J,O**	**2.2 J,O**
140	**27**	**39**	**50**	**18 J,O**	**9.7 J,O**	**18 J,O**	**20 J,O**	**34**
0.13 J,O	**0.21 J,O**	< 0.54 U,J,O	< 0.54 U,J,O	< 0.57 U,J,O	< 0.60 U,J,O	< 0.56 U,J,O	< 0.55 U,J,O	< 0.54 U,J,O
< 0.55 U	< 0.57 U	**4.2**	< 0.54 U	< 0.57 U	< 0.60 U	< 0.56 U	< 0.55 U	< 0.54 U
460 J,O	**330 J,O**	**760**	**260 J,O**	**500 J,O**	**130 J,O**	**7400**	**560**	**1500**
8.1	**12**	**11**	**5.9**	**15**	**29**	**12**	**9.7**	**6.7**
< 5.5 U,J,O	< 5.7 U,J,O	< 5.4 U,J,O	< 5.4 U,J,O	< 5.7 U,J,O	< 6.0 U	< 5.6 U,J,O	< 5.5 U,J,O	< 5.4 U,J,O
5.9	**2.3 J,O**	**14**	**0.95 J,O**	**4.0**	**4.7**	**3.9**	**4.1**	**3.3**
< 2.8 U	< 2.9 U	< 2.7 U	< 2.7 U	< 2.9 U	< 3.0 U	< 2.8 U	< 2.8 U	< 2.7 U
6200	**9700**	**7100**	**4600**	**15000**	**28000**	**13000**	**9600**	**5200**
9.3	**5.7**	**42**	**7.1**	**23**	**6.8**	**7.8**	**32**	**14**
76 J,O	**160 J,O**	**120 J,O**	**77 J,O**	**86 J,O**	**110 J,O**	**120 J,O**	**84 J,O**	**110 J,O**
63	**78**	**220**	**380**	**55**	**12**	**74**	**89**	**160**
< 0.11 U	< 0.11 U	< 0.11 U,O	< 0.11 U	< 0.12 U	< 0.12 U,O	< 0.11 U	< 0.11 U	< 0.10 U
1.1 J,O	**1.8 J,O**	**1.3 J,O**	**0.89 J,O**	**0.80 J,O**	**0.20 J,O**	**1.0 J,O**	**1.1 J,O**	**1.1 J,O**
54 J,O	**74 J,O**	**71 J,O**	**41 J,O**	**84 J,O**	**40 J,O**	**160 J,O**	**120 J,O**	**170 J,O**
< 3.9 U,J,O	< 4.0 U,J,O				**0.83 J,O**			
< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.2 U	< 1.1 U	< 1.1 U	< 1.1 U
10 J,O	**15 J,O**	**10 J,O**	**4.8 J,O**	**16 J,O**	**24 J,O**	**7.1 J,O**	**4.4 J,O**	**6.6 J,O**

AIP MNOP Site AIP114 5/14/2009 R4-C092301-49 AIP114-20090514 12 - 24 N	AIP MNOP Site AIP115 5/14/2009 R4-C092301-52 AIP115-20090514 0 - 6 N	AIP MNOP Site AIP115 5/14/2009 R4-C092301-51 AIP115-20090514 12 - 24 N	AIP MNOP Site AIP116 5/13/2009 R4-C092301-54 AIP116-20090513 0 - 6 N	AIP MNOP Site AIP116 5/13/2009 R4-C092301-53 AIP116-20090513 12 - 24 N	AIP MNOP Site AIP117 5/13/2009 R4-C092301-56 AIP117-20090513 0 - 6 N	AIP MNOP Site AIP117 5/13/2009 R4-C092301-55 AIP117-20090513 12 - 24 N	AIP MNOP Site AIP118 5/13/2009 R4-C092301-58 AIP118-20090513 0 - 6 N	AIP MNOP Site AIP118 5/13/2009 R4-C092301-57 AIP118-20090513 12 - 24 N
7800	**2800**	**7300**	**4900**	**2500**	**5800**	**5000**	**7400**	**3400**
1.5 J,O	**2.1 J,O**	**1.3 J,O**	**1.6 J,O**	**0.63 J,O**	**1.5 J,O**	**1.2 J,O**	**1.5 J,O**	**1.3 J,O**
19 J,O	**23**	**17 J,O**	**26**	**19 J,O**	**30**	**16 J,O**	**45**	**21 J,O**
< 0.56 U,J,O	< 0.54 U,J,O	< 0.57 U,J,O	< 0.55 U,J,O	< 0.53 U,J,O	< 0.55 U,J,O	< 0.56 U,J,O	< 0.52 U,J,O	< 0.54 U,J,O
< 0.56 U	< 0.54 U	< 0.57 U	< 0.55 U	< 0.53 U	< 0.55 U	< 0.56 U	< 0.52 U	< 0.54 U
340 J,O	**1500**	**410 J,O**	**660**	**230 J,O**	**300 J,O**	**160 J,O**	**1400**	**160 J,O**
12	**7.6**	**11**	**8.2**	**2.2**	**5.9**	**7.7**	**12**	**4.7**
< 5.6 U,J,O	< 5.4 U,J,O	< 5.7 U,J,O	< 5.5 U,J,O	< 5.3 U,J,O	< 5.5 U,J,O	< 5.6 U,J,O	< 5.2 U,J,O	< 5.4 U,J,O
2.5 J,O	**2.0 J,O**	**2.3 J,O**	**2.9**	**1.1 J,O**	**2.5 J,O**	**2.0 J,O**	**7.2**	**1.5 J,O**
< 2.8 U	< 2.7 U	< 2.9 U	< 2.7 U	< 2.7 U	< 2.7 U	< 2.8 U	< 2.6 U	< 2.7 U
11000	**3900**	**11000**	**6600**	**2000**	**6300**	**7200**	**12000**	**3700**
6.1	**13**	**5.3**	**8.5**	**3.6**	**5.5**	**4.1**	**3.5**	**5.2**
110 J,O	**93 J,O**	**100 J,O**	**91 J,O**	**59 J,O**	**100 J,O**	**68 J,O**	**4800**	**75 J,O**
18	**140**	**7.5**	**140**	**89**	**24**	**4.1**	**360**	**63**
< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.10 U	< 0.11 U	< 0.11 U	< 0.10 U	< 0.10 U
1.3 J,O	**0.66 J,O**	**0.91 J,O**	**1.2 J,O**	**0.81 J,O**	**1.4 J,O**	**1.0 J,O**	**4.4 J,O**	**0.89 J,O**
110 J,O	**140 J,O**	**160 J,O**	**55 J,O**	**18 J,O**	**54 J,O**	**30 J,O**	**5800**	**66 J,O**
< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.0 U	< 1.1 U
3.7 J,O	**4.0 J,O**	**3.8 J,O**	**6.0 J,O**	**3.3 J,O**	**4.4 J,O**	**4.6 J,O**	**63 J,O**	**5.7 J,O**

AIP MNOP Site AIP119 5/13/2009 R4-C092301-60 AIP119-20090513 0 - 6 N	AIP MNOP Site AIP119 5/13/2009 R4-C092301-59 AIP119-20090513 12 - 24 N	AIP MNOP Site AIP120 5/13/2009 R4-C092301-62 AIP120-20090513 0 - 6 N	AIP MNOP Site AIP120 5/13/2009 R4-C092301-61 AIP120-20090513 12 - 24 N	AIP MNOP Site AIP121 5/13/2009 R4-C092301-64 AIP121-20090513 0 - 6 N	AIP MNOP Site AIP121 5/13/2009 R4-C092301-63 AIP121-20090513 12 - 24 N	AIP MNOP Site AIP122 5/13/2009 R4-C092301-66 AIP122-20090513 0 - 6 N	AIP MNOP Site AIP122 5/13/2009 R4-C092301-65 AIP122-20090513 12 - 24 N	AIP MNOP Site AIP123 5/13/2009 R4-C092301-68 AIP123-20090513 0 - 6 N
6000	**6900**	**2500**	**3900**	**3200**	**3100**	**2600**	**7700**	**4600**
2.0 J,O	**1.6 J,O**	**0.89 J,O**	**1.1 J,O**	**0.79 J,O**	**0.95 J,O**	**1.4 J,O**	**0.62 J,O**	**1.1 J,O**
57	**16 J,O**	**21 J,O**	**31**	**23**	**31**	**16 J,O**	**17 J,O**	**17 J,O**
< 0.54 U,J,O	< 0.58 U,J,O	< 0.54 U,J,O	< 0.54 U,J,O	< 0.54 U,J,O	< 0.56 U,J,O	< 0.54 U,J,O	< 0.60 U,J,O	< 0.58 U,J,O
< 0.54 U	< 0.58 U	< 0.54 U,J,O	< 0.54 U	< 0.54 U	**0.92**	< 0.54 U	< 0.60 U	< 0.58 U,J,O
1100	**230 J,O**	**490 J,O**	**430 J,O**	**210 J,O**	**350 J,O**	**130 J,O**	**360 J,O**	**460 J,O**
6.5	**9.7**	**3.7**	**5.5**	**6.4**	**6.0**	**3.5**	**23**	**7.0**
< 5.4 U,J,O	< 5.8 U,J,O	< 5.4 U,J,O	< 5.4 U,J,O	< 5.4 U,J,O	< 5.6 U,J,O	< 5.4 U,J,O	< 6.0 U	< 5.8 U,J,O
4.7	**2.3 J,O**	**2.2 J,O**	**2.6 J,O**	**1.6 J,O**	**5.3**	**2.0 J,O**	**3.6**	**2.6 J,O**
< 2.7 U	< 2.9 U	< 2.7 U	< 2.7 U	< 2.7 U	< 2.8 U	< 2.7 U	< 3.0 U	< 2.9 U
7400	**8100**	**2800**	**4400**	**5500**	**4400**	**2500**	**22000**	**5400**
6.9	**5.5**	**6.6**	**5.4**	**4.0**	**16**	**5.3**	**4.5**	**6.6**
1000	**140 J,O**	**130 J,O**	**89 J,O**	**70 J,O**	**96 J,O**	**57 J,O**	**100 J,O**	**170 J,O**
130	**8.9**	**140**	**38**	**38**	**82**	**87**	**2.6**	**57**
< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U,O	< 0.10 U	< 0.12 U,O	< 0.12 U,O
2.2 J,O	**1.3 J,O**	**0.80 J,O**	**0.97 J,O**	**0.72 J,O**	**0.88 J,O**	**0.74 J,O**	**0.29 J,O**	**0.92 J,O**
580	**41 J,O**	**110 J,O**	**64 J,O**	**110 J,O**	**45 J,O**	**37 J,O**	< 600 U	**140 J,O**
< 1.1 U	< 1.2 U	< 1.1 U	< 1.1 U	< 1.1 U	**1.3**	< 1.1 U	< 1.2 U	< 1.2 U
22 J,O	**8.3 J,O**	**4.2 J,O**	**4.5 J,O**	**2.9 J,O**	**3.7 J,O**	**3.1 J,O**	**5.5 J,O**	**4.8 J,O**

AIP MNOP Site AIP123 5/13/2009 R4-C092301-67 AIP123-20090513 12 - 24 N	AIP MNOP Site AIP124 5/13/2009 R4-C092301-70 AIP124-20090513 0 - 6 N	AIP MNOP Site AIP124 5/13/2009 R4-C092301-69 AIP124-20090513 12 - 24 N	AIP MNOP Site AIP125 5/13/2009 R4-C092301-72 AIP125-20090513 0 - 6 N	AIP MNOP Site AIP125 5/13/2009 R4-C092301-71 AIP125-20090513 12 - 24 N	AIP MNOP Site AIP126 5/12/2009 R4-C092301-74 AIP126-20090512 0 - 6 N	AIP MNOP Site AIP126 5/12/2009 R4-C092301-73 AIP126-20090512 12 - 24 N	AIP MNOP Site AIP127 5/12/2009 R4-C092301-76 AIP127-20090512 0 - 6 N	AIP MNOP Site AIP127 5/12/2009 R4-C092301-75 AIP127-20090512 12 - 24 N
7500	**3400**	**2800**	**3000**	**4700**	**3400**	**3600**	**3600**	**7400**
			< 6.7 U,J,O	< 6.5 U,J,O	< 6.6 U,J,O	< 6.4 U,J,O	< 6.8 U,J,O	< 6.7 U,J,O
1.3 J,O	**1.1 J,O**	**1.2 J,O**	**1.6**	**1.3**	**1.6 J,O**	**1.4 J,O**	**1.4 J,O**	**2.0 J,O**
13 J,O	**13 J,O**	**33**	**23**	**25**	**27**	**31**	**44**	**29**
< 0.59 U,J,O	< 0.54 U,J,O	< 0.54 U,J,O	< 0.56 U,J,O	< 0.54 U,J,O	**0.16 J,O**	**0.13 J,O**	**0.20 J,O**	**0.23 J,O**
< 0.59 U	< 0.54 U	< 0.54 U,J,O	< 0.56 U,J,O	**0.54 J,O**	< 0.55 U,J,O	< 0.54 U	**3.2**	< 0.56 U
310 J,O	**470 J,O**	**600**	**310 J,O**	**320 J,O**	**400 J,O**	**210 J,O**	**1100**	**440 J,O**
13	**6.6**	**5.1**	**3.8**	**5.8**	**6.1**	**4.1**	**8.5**	**27**
< 5.9 U,J,O	< 5.4 U,J,O	< 5.4 U,J,O	< 5.6 U,J,O	< 5.4 U,J,O	< 5.5 U,J,O	< 5.4 U,J,O	< 5.7 U,J,O	< 5.6 U,J,O
2.9	**2.4 J,O**	**2.9**	**1.7 J,O**	**1.3 J,O**	**8.0**	**1.5 J,O**	**7.1**	**2.9**
< 3.0 U	< 2.7 U	< 2.7 U			< 2.7 U	< 2.7 U	< 2.9 U	< 2.8 U
11000	**5300**	**3500**	**2600**	**5000**	**3400**	**3400**	**3900**	**9500**
5.1	**4.5**	**25**	**7.5**	**6.1**	**19**	**4.8**	**25**	**7.2**
120 J,O	**100 J,O**	**74 J,O**	**76 J,O**	**73 J,O**	**110 J,O**	**56 J,O**	**220 J,O**	**140 J,O**
3.1	**47**	**140**	**110**	**37**	**240**	**120**	**280**	**40**
< 0.12 U	< 0.11 U	**0.88**	< 0.11 U	**0.065 J,O**	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
0.76 J,O	**0.52 J,O**	**0.76 J,O**	**0.90 J,O**	**0.98 J,O**	**1.4 J,O**	**0.88 J,O**	**1.5 J,O**	**1.8 J,O**
86 J,O	**96 J,O**	**24 J,O**	**32 J,O**	**31 J,O**	**170 J,O**	**60 J,O**	**140 J,O**	**92 J,O**
			< 3.9 U	< 3.8 U	< 3.8 U,J,O	< 3.8 U,J,O	< 4.0 U,J,O	< 3.9 U,J,O
< 1.2 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U
3.2 J,O	**3.7 J,O**	**4.5 J,O**	**5.0 J,O**	**5.7 J,O**	**4.7 J,O**	< 540 U	**7.6 J,O**	**8.6 J,O**

AIP MNOP Site AIP128 5/12/2009 R4-C092301-78 AIP128-20090512 0 - 6 N	AIP MNOP Site AIP128 5/12/2009 R4-C092301-77 AIP128-20090512 12 - 24 N	AIP MNOP Site AIP129 5/12/2009 R4-C092301-80 AIP129-20090512 0 - 6 N	AIP MNOP Site AIP129 5/12/2009 R4-C092301-79 AIP129-20090512 12 - 24 N	AIP MNOP Site AIP130 5/12/2009 R4-C092301-82 AIP130-20090512 0 - 6 N	AIP MNOP Site AIP130 5/12/2009 R4-C092301-81 AIP130-20090512 12 - 24 N	AIP MNOP Site AIP131 5/12/2009 R4-C092301-83 AIP131-20090512 12 - 24 N	AIP MNOP Site AIP131 5/12/2009 R4-C092301-84 AIP131-20090512 0 - 6 N	AIP MNOP Site AIP132 5/12/2009 R4-C092301-87 AIP132-20090512 0 - 6 FD
5300	**6100**	**4600**	**6700**	**4700**	**3000**	**5300**	**4300**	**3800**
< 6.4 U,J,O	< 6.9 U,J,O	< 6.8 U,J,O	< 6.4 U,J,O	< 6.6 U,J,O	< 6.8 U,J,O	< 7.0 U,J,O	< 6.3 U,J,O	**8.7 J,O**
1.8 J,O	**1.4 J,O**	**1.8 J,O**	**1.3 J,O**	**1.9 J,O**	**1.9 J,O**	**2.2 J,O**	**2.0 J,O**	**7.4**
43	**7.2 J,O**	**30**	**17 J,O**	**18 J,O**	**27**	**6.4 J,O**	**31**	**34**
0.27 J,O	**0.071 J,O**	**0.16 J,O**	**0.18 J,O**	**0.10 J,O**	**0.15 J,O**	**0.073 J,O**	**0.23 J,O**	< 0.64 U,J,O
< 0.54 U	< 0.58 U	**1.2**	< 0.54 U	< 0.55 U,J,O	< 0.57 U	< 0.59 U	< 0.53 U,J,O	< 0.64 U
720	**110 J,O**	**660**	**510 J,O**	**480 J,O**	**600**	**250 J,O**	**400 J,O**	**14000**
7.7	**21**	**9.1**	**10**	**16**	**6.7**	**32**	**30**	**420**
< 5.4 U,J,O	< 5.8 U	< 5.7 U,J,O	< 5.4 U,J,O	< 5.5 U,J,O	< 5.7 U,J,O	< 5.9 U	< 5.3 U,J,O	**6.7**
4.5	**3.1**	**31**	**2.6 J,O**	**7.6**	**1.9 J,O**	**2.7 J,O**	**5.9**	**250**
< 2.7 U	< 2.9 U	< 2.8 U	< 2.7 U	< 2.8 U	< 2.8 U	< 2.9 U	< 2.6 U	< 3.2 U
6100	**16000**	**6200**	**8800**	**11000**	**4900**	**25000**	**5000**	**170000**
19	**3.9**	**32**	**5.1**	**11**	**30**	**6.7**	**28**	**90**
96 J,O	**56 J,O**	**160 J,O**	**96 J,O**	**65 J,O**	**58 J,O**	**54 J,O**	**80 J,O**	**480 J,O**
340	**4.4**	**120**	**8.2**	**89**	**190**	**34**	**200**	**1800**
< 0.11 U	< 0.12 U	< 0.12 U	< 0.11 U	< 0.11 U	< 0.12 U	< 0.12 U	< 0.11 U	< 0.13 U
1.4 J,O	**0.46 J,O**	**3.4 J,O**	**1.3 J,O**	**3.1 J,O**	**0.67 J,O**	**0.40 J,O**	**2.2 J,O**	**440 J,O**
68 J,O	**48 J,O**	**77 J,O**	**75 J,O**	**50 J,O**	**48 J,O**	**36 J,O**	**77 J,O**	**240 J,O**
< 3.8 U,J,O	< 4.0 U,J,O	< 4.0 U,J,O	< 3.7 U,J,O	< 3.9 U,J,O	< 4.0 U,J,O	< 4.1 U,J,O	< 3.7 U,J,O	< 4.4 U,J,O
< 1.1 U	< 1.2 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.2 U	< 1.1 U	**0.22 J,O**
12 J,O	**21 J,O**	**9.4 J,O**	**11 J,O**	**5.5 J,O**	**6.1 J,O**	**7.2 J,O**	**5.6 J,O**	**82 J,O**

AIP MNOP Site AIP132 5/12/2009 R4-C092301-85 AIP132-20090512 12 - 24 N	AIP MNOP Site AIP132 5/12/2009 R4-C092301-86 AIP132-20090512 0 - 6 N	AIP MNOP Site AIP133 5/12/2009 R4-C092301-89 AIP133-20090512 0 - 6 N	AIP MNOP Site AIP133 5/12/2009 R4-C092301-88 AIP133-20090512 12 - 24 N	AIP MNOP Site AIP134 5/14/2009 R4-C092301-92 AIP134-20090514 0 - 6 N	AIP MNOP Site AIP134 5/14/2009 R4-C092301-90 AIP134-20090514 12 - 24 N	AIP MNOP Site AIP134 5/14/2009 R4-C092301-91 AIP134-20090514 12 - 24 FD	AIP MNOP Site AIP135 5/14/2009 R4-C092301-94 AIP135-20090514 0 - 6 N	AIP MNOP Site AIP135 5/14/2009 R4-C092301-93 AIP135-20090514 12 - 24 N
5700	**2600**	**9200**	**4800**	**5900**	**4500**	**4100**	**4200**	**3200**
< 6.9 U,J,O	**0.88 J,O**	< 6.7 U,J,O	< 6.9 U,J,O					
1.6 J,O	**9.6 J,O**	**2.0 J,O**	**1.8 J,O**	**2.2 J,O**	**2.1 J,O**	**1.9 J,O**	**1.8 J,O**	**0.42 J,O**
22 J,O	**17 J,O**	**31**	**21 J,O**	**89**	**31**	**31**	**26**	**12 J,O**
0.14 J,O	**0.064 J,O**	**0.16 J,O**	**0.13 J,O**	**0.60**	< 0.56 U,J,O	< 0.55 U,J,O	< 0.53 U,J,O	< 0.53 U,J,O
< 0.57 U	< 0.56 U	< 0.55 U	< 0.57 U	**3.8**	< 0.56 U	< 0.55 U	**0.65**	< 0.53 U
1400	**1400**	**1000**	**600**	**11000**	**470 J,O**	**490 J,O**	**270 J,O**	**110 J,O**
14	**57**	**16**	**22**	**19**	**10**	**6.9**	**6.2**	**3.8**
< 5.7 U,J,O	< 5.6 U,J,O	< 5.5 U,J,O	< 5.7 U,J,O	< 5.6 U,J,O	< 5.6 U,J,O	< 5.5 U,J,O	< 5.3 U,J,O	< 5.3 U,J,O
3.0	**180**	**11**	**100**	**11**	**2.4 J,O**	**2.0 J,O**	**6.1**	**1.0 J,O**
< 2.8 U	< 2.8 U	< 2.8 U	< 2.9 U	< 2.8 U	< 2.8 U	< 2.8 U	< 2.7 U	< 2.7 U
12000	**120000**	**11000**	**18000**	**6100**	**7000**	**5800**	**4400**	**3200**
9.2	**40**	**14**	**18**	**25**	**9.7**	**6.8**	**29**	**3.6**
120 J,O	**29 J,O**	**1200 J,O**	**53 J,O**	**2000**	**110 J,O**	**110 J,O**	**67 J,O**	**52 J,O**
87	**1800**	**99**	**130**	**410**	**390**	**240**	**120**	**43**
< 0.12 U	< 0.12 U	< 0.12 U	< 0.11 U	**1.3**	< 0.11 U	< 0.11 U	< 0.11 U,O	< 0.11 U
1.0 J,O	**120 J,O**	**3.3 J,O**	**1.9 J,O**	**1.9 J,O**	**1.1 J,O**	**0.96 J,O**	**1.0 J,O**	**0.55 J,O**
140 J,O	**68 J,O**	**1300**	**75 J,O**	**560 J,O**	**140 J,O**	**140 J,O**	**59 J,O**	**36 J,O**
< 4.0 U,J,O	< 3.9 U,J,O	< 3.9 U,J,O	< 4.0 U,J,O					
< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	**6.9**	< 1.1 U	< 1.1 U	**0.20 J,O**	< 1.1 U
20 J,O	**22 J,O**	**18 J,O**	**6.1 J,O**	**49 J,O**	**3.8 J,O**	**4.4 J,O**	**4.6 J,O**	**3.4 J,O**

AIP MNOP Site AIP136 5/14/2009 R4-C092301-96 AIP136-20090514 0 - 6 N	AIP MNOP Site AIP136 5/14/2009 R4-C092301-95 AIP136-20090514 12 - 24 N	AIP MNOP Site AIP137 5/14/2009 R4-C092301-98 AIP137-20090514 0 - 6 N	AIP MNOP Site AIP137 5/14/2009 R4-C092301-97 AIP137-20090514 12 - 24 N	AIP MNOP Site AIP138 5/12/2009 R4-C092302-01 AIP138-20090512 0 - 6 N	AIP MNOP Site AIP138 5/12/2009 R4-C092301-99 AIP138-20090512 12 - 24 N	AIP MNOP Site AIP139 5/12/2009 R4-C092302-03 AIP139-20090512 0 - 6 N	AIP MNOP Site AIP139 5/12/2009 R4-C092302-02 AIP139-20090512 12 - 24 N	AIP MNOP Site AIP140 5/13/2009 R4-C092302-06 AIP140-20090513 0 - 6 N
6000	**5500**	**11000**	**9700**	**5200**	**6200**	**7300**	**5100**	**4300**
0.88 J,O		**0.50 J,O**	**0.32 J,O**	< 6.6 U,J,O	< 6.7 U,J,O			< 6.6 U,J,O
3.1 J,O	**2.3 J,O**	**2.3**	**2.0**	**1.7 J,O**	**2.0 J,O**	**2.8**	**2.0**	**1.4**
75	**42**	**95**	**43**	**26**	**29**	**26**	**31**	**23**
< 0.58 U,J,O	< 0.56 U,J,O	**0.25 J,O**	**0.28 J,O**	**0.11 J,O**	**0.18 J,O**	< 0.58 U,J,O	< 0.54 U,J,O	< 0.55 U,J,O
15	**2.8**	< 0.62 U,J,O	< 0.62 U,J,O	< 0.55 U	< 0.55 U	< 0.58 U	< 0.54 U	< 0.55 U,J,O
1200	**500 J,O**	**2200**	**290 J,O**	**950**	**690**	**1200**	**400 J,O**	**1700**
14	**9.8**	**51**	**14**	**12**	**12**	**18**	**8.3**	**11**
< 5.8 U,J,O	< 5.6 U,J,O	**1.7 J,O**	**1.3 J,O**	< 5.5 U,J,O	< 5.5 U,J,O	< 5.8 U,J,O	< 5.4 U,J,O	< 5.5 U,J,O
28	**5.4**	**21**	**5.2**	**3.6**	**2.9**	**5.2**	< 2.7 U,J,O	**3.3 J,O**
< 2.9 U	< 2.8 U	< 3.1 U	< 3.1 U	< 2.7 U	< 2.8 U	< 2.9 U	< 2.7 U	
9200	**8400**	**19000**	**10000**	**10000**	**10000**	**16000**	**6800**	**9000**
1000	**50**	**60**	**14**	**9.0**	**8.6**	**9.0**	**6.4**	**9.9**
500 J,O	**82 J,O**	**520 J,O**	**110 J,O**	**160 J,O**	**98 J,O**	**200 J,O**	**90 J,O**	**150 J,O**
360	**310**	**350**	**310**	**100**	**100**	**96**	**190**	**110**
< 0.12 U,O	< 0.11 U	< 0.13 U,O	< 0.12 U	< 0.12 U	< 0.12 U	< 0.11 U	< 0.11 U	**0.056 J,O**
3.1 J,O	**1.5 J,O**	**3.2 J,O**	**1.8 J,O**	**1.3 J,O**	**1.4 J,O**	**1.3 J,O**	**0.98 J,O**	**0.98 J,O**
360 J,O	**120 J,O**	**420 J,O**	**92 J,O**	**210 J,O**	**160 J,O**	**140 J,O**	< 540 U,J,O	**110 J,O**
		< 4.3 U,J,O	< 4.4 U,J,O	< 3.8 U,J,O	< 3.9 U,J,O	**0.65 J,O**	< 3.8 U,J,O	< 3.9 U
0.28 J,O	< 1.1 U	< 1.2 U	< 1.2 U	< 1.1 U	< 1.1 U	< 1.2 U	< 1.1 U	< 1.1 U
14 J,O	**5.1 J,O**	**56 J,O**	**18 J,O**	**6.9 J,O**	**4.7 J,O**	**5.9 J,O**	**5.1 J,O**	**5.4 J,O**

AIP MNOP Site AIP140 5/13/2009 R4-C092302-04 AIP140-20090513 12 - 24 N	AIP MNOP Site AIP140 5/13/2009 R4-C092302-05 AIP140-20090513 12 - 24 FD	AIP MNOP Site AIP141 5/13/2009 R4-C092302-08 AIP141-20090513 0 - 6 N	AIP MNOP Site AIP141 5/13/2009 R4-C092302-07 AIP141-20090513 12 - 24 N	AIP MNOP Site AIP142 5/14/2009 R4-C092302-10 AIP142-20090514 0 - 6 N	AIP MNOP Site AIP142 5/14/2009 R4-C092302-09 AIP142-20090514 12 - 24 N	AIP MNOP Site ISL-001 1/1/1996 ISL-001-1-2-19960101 ISL-001-19960101 1 - 2 N	AIP MNOP Site ISL-001 1/1/1996 ISL-001-15-16-19960101 ISL-001-19960101 15 - 16 N
6900	**6900**	**5100**	**5900**	**3700**	**5700**		
< 6.9 U,J,O		< 6.8 U,J,O		< 6.5 U,J,O	< 6.6 U,J,O	< 2.4 U	< 2.5 U
2.6	**2.7 J,O**	**1.8**	**2.4 J,O**	**1.0 J,O**	**1.2**		
10 J,O	**9.6 J,O**	**18 J,O**	**7.3 J,O**	**24**	**26**		
< 0.57 U,J,O	< 0.58 U,J,O	< 0.56 U,J,O	< 0.58 U,J,O	**0.089 J,O**	**0.15 J,O**	**0.05 J**	**0.025 J**
< 0.57 U,J,O	< 0.58 U	< 0.56 U,J,O	< 0.58 U	< 0.55 U,J,O	< 0.55 U,J,O	**0.23 J**	< 0.2 U
350 J,O	**280 J,O**	**440 J,O**	**200 J,O**	**590**	**180 J,O**		
29	**24**	**15**	**29**	**6.6**	**6.7**	**7.26**	**3.86**
< 5.7 U	< 5.8 U	< 5.6 U,J,O	< 5.8 U	**1.0 J,O**	**0.95 J,O**		
3.5 J,O	**3.8**	**3.5 J,O**	**3.6**	**3.7**	**1.6 J,O**	**1.95**	**1.2**
	< 2.9 U		< 2.9 U	< 2.7 U	< 2.7 U		
24000	**25000**	**12000**	**24000**	**4000**	**5600**		
7.0	**7.1**	**9.3**	**6.0**	**7.4**	**5.6**	**2.34**	**1.03**
66 J,O	**60 J,O**	**92 J,O**	**70 J,O**	**540 J,O**	**81 J,O**		
42	**43**	**120**	**18**	**130**	**62**		
0.032 J,O	< 0.11 U	**0.031 J,O**	< 0.12 U	< 0.11 U	< 0.11 U	< 0.027 U	< 0.28 U
0.79 J,O	**0.76 J,O**	**0.93 J,O**	**0.34 J,O**	**1.4 J,O**	**1.4 J,O**	**0.77 J**	**0.25 J**
41 J,O	**31 J,O**	**35 J,O**	< 580 U	**690**	**79 J,O**		
< 4.0 U		< 4.0 U		< 3.8 U,J,O	< 3.8 U,J,O	**0.26 J**	< 0.081 U
< 1.1 U	< 1.2 U	< 1.1 U	< 1.2 U	< 1.1 U	< 1.1 U	< 0.21 U	< 0.21 U
5.8 J,O	**3.6 J,O**	**8.7 J,O**	**4.9 J,O**	**8.4 J,O**	**3.6 J,O**		

AIP MNOP Site ISL-002 1/1/1996 ISL-002-1-2-19960101 ISL-002-19960101 1 - 2 N	AIP MNOP Site ISL-002 1/1/1996 ISL-002-35-36-19960101 ISL-002-19960101 35 - 36 N	AIP MNOP Site ISL-002 1/1/1996 ISL-002A DUP-1-2-19960101 ISL-002-19960101 1 - 2 FD	AIP MNOP Site ISL-003 1/1/1996 ISL-003-1-2-19960101 ISL-003-19960101 1 - 2 N	AIP MNOP Site ISL-003 1/1/1996 ISL-003-30-31-19960101 ISL-003-19960101 30 - 31 N	AIP MNOP Site ISL-004 1/1/1996 ISL-004-1-3-19960101 ISL-004-19960101 1 - 3 N
< 2.5 U	< 2.4 U	< 2.5 U	**3.9 J**	< 2.4 U	< 2.5 U
0.27 J	< 0.017 U	**0.18 J**	**0.11**	< 0.017 U	**0.28 J**
0.4 J	**0.22 J**	**0.587**	**0.42**	< 0.2 U	**0.48 J**
14	**1.66**	**18.5**	**18.3**	**1.34**	**16.9**
4.97	**1.21**	**11.5**	**4.81**	< 0.8 U	**5.58**
11.5	**1.19**	**13.7**	**8.28**	**0.445**	**7.3**
0.068 J	< 0.027 U	**0.12**	**0.34 J**	< 0.027 U	**0.09 J**
4.26	**0.34 J**	**4.74**	**3.61**	< 0.061 U	**4.1**
< 0.83 U	< 0.08 U	< 0.083 U	< 0.082 U	< 0.08 U	**0.53 J**
< 0.22 U	< 0.21 U	< 0.22 U	< 0.22 U	< 0.21 U	< 0.22 U

AIP MNOP Site ISL-004 1/1/1996 ISL-004A DUP-1-3-19960101 ISL-004-19960101 1 - 3 FD	AIP MNOP Site ISL-005 1/1/1996 ISL-005-1-2-19960101 ISL-005-19960101 1 - 2 N	AIP MNOP Site ISL-005 1/1/1996 ISL-005-40-41-19960101 ISL-005-19960101 40 - 41 N	AIP MNOP Site ISL-006 1/1/1996 ISL-006-1-2-19960101 ISL-006-19960101 1 - 2 N	AIP MNOP Site ISL-006 1/1/1996 ISL-006-45-46-19960101 ISL-006-19960101 45 - 46 N	AIP MNOP Site ISL-007 1/1/1996 ISL-007-0-2-19960101 ISL-007-19960101 0 - 2 N
3.6 J	< 2.6 U	< 2.3 U	< 2.5 U	< 2.4 U	< 0 R
0.24 J	**0.11 J**	< 0.017 U	**0.097 J**	**0.018 J**	**0.2 J**
0.46 J	**0.903**	< 0.19 U	**0.837**	< 0.19 U	**2.27**
20.3	**25.4**	**1.61**	**20.6**	**4.1**	**36**
5.86	**7.78**	< 0.77 U	**5.78**	**6.64**	**6.66**
7.61	**6.92**	**0.637**	**4.56**	**0.735**	**6.94 J**
0.068 J	< 0.033 U	< 0.027 U	< 0.031 U	< 0.027 U	< 0 R
4.07	**6.84**	**0.44 J**	**1.6 J**	**0.23 J**	**4.24**
0.38 J	**0.36 J**	< 0.077 U	**0.679**	**0.651**	**1.41**
< 0.22 U	< 0.22 U	< 0.2 U	< 0.22 U	< 0.2 U	< 0.23 U

AIP MNOP Site ISL-007 1/1/1996 ISL-007-1-2-19960101 ISL-007-19960101 1 - 2 N	AIP MNOP Site ISL-008 1/1/1996 ISL-008-0-2-19960101 ISL-008-19960101 0 - 2 N	AIP MNOP Site ISL-008 1/1/1996 ISL-008-9-11-19960101 ISL-008-19960101 9 - 11 N	AIP MNOP Site ISL-009 1/1/1996 ISL-009-0-2-19960101 ISL-009-19960101 0 - 2 N	AIP MNOP Site ISL-009 1/1/1996 ISL-009-9-11-19960101 ISL-009-19960101 9 - 11 N	AIP MNOP Site ISL-010 1/1/1996 ISL-010-0-2-19960101 ISL-010-19960101 0 - 2 N	AIP MNOP Site ISL-010 1/1/1996 ISL-010-14-16-19960101 ISL-010-19960101 14 - 16 N
< 2.6 U	< 0 R	**4.2 J**	< 0 R	< 0 R	< 0 R	< 0 R
0.44 J	**0.556**	**0.33 J**	**0.12 J**	**0.04 J**	**0.14 J**	**0.28 J**
56 J	**2.32**	< 0.22 U	**0.41 J**	**1.18**	< 0.2 U	**0.3 J**
37.8	**22.6**	**25**	**4.61**	**9.59**	**5.16**	**5.16**
4.62	**13.2**	**10.3**	**2.01**	**3.29**	**2.47**	**1.69**
6.49	**28.5 J**	**8.95 J**	**4.17 J**	**4.53 J**	**5.17 J**	**1.98 J**
0.035 J	< 0 R	< 0 R	< 0 R	< 0 R	< 0 R	< 0 R
< 1.4 UJ	**7.75**	**5.93**	**1.6 J**	**0.98 J**	**0.85 J**	**0.84 J**
0.731	**0.642**	**0.54 J**	**0.41 J**	**0.49 J**	**0.29 J**	**0.26 J**
< 0.23 U	< 0.24 U	< 0.23 U	< 0.21 U	< 0.22 U	< 0.21 U	< 0.21 U

AIP MNOP Site ISL-011 1/1/1996 ISL-011-0-2-19960101 ISL-011-19960101 0 - 2 N	AIP MNOP Site ISL-011 1/1/1996 ISL-011-14-16-19960101 ISL-011-19960101 14 - 16 N	AIP MNOP Site ISL-012 1/1/1996 ISL-012-1-2-19960101 ISL-012-19960101 1 - 2 N	AIP MNOP Site ISL-012 1/1/1996 ISL-012-35-36-19960101 ISL-012-19960101 35 - 36 N	AIP MNOP Site ISL-013 1/1/1996 ISL-013-0-2-19960101 ISL-013-19960101 0 - 2 N	AIP MNOP Site ISL-013 1/1/1996 ISL-013-24-26-19960101 ISL-013-19960101 24 - 26 N
< 0 R	< 0 R	< 2.6 U	< 2.5 U	< 0 R	< 0 R
0.18 J	**0.06 J**	**0.25 J**	**0.02 J**	**0.26 J**	**0.018 J**
1.17	**0.48 J**	**0.4 J**	< 0.21 U	**0.943**	< 0.2 U
28.8	**10.6**	**11.8**	**1.45**	**14.6**	**6.08**
6.98	**3.46**	**4.78**	< 0.82 U	**5.93**	**1.17**
6.4 J	**3.82 J**	**10.7**	**1.14**	**9.07 J**	**1.86 J**
< 0 R	< 0 R	**0.034 J**	< 0.028 U	< 0 R	< 0 R
3.81	**1.9 J**	**5.21**	**0.33 J**	**3.69**	**0.78 J**
0.51 J	**0.33 J**	**0.26 J**	**1.7 J**	**0.771**	< 0.081 U
< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.21 U

AIP MNOP Site ISL-014 1/1/1996 ISL-014-0.5-2-19960101 ISL-014-19960101 0.5 - 2 N	AIP MNOP Site ISL-014 1/1/1996 ISL-014-35-36.5-19960101 ISL-014-19960101 35 - 36.5 N	AIP MNOP Site ISL-015 1/1/1996 ISL-015-1-2-19960101 ISL-015-19960101 1 - 2 N	AIP MNOP Site ISL-015 1/1/1996 ISL-015-25-26-19960101 ISL-015-19960101 25 - 26 N	AIP MNOP Site ISL-016 1/1/1996 ISL-016-1-2-19960101 ISL-016-19960101 1 - 2 N	AIP MNOP Site ISL-016 1/1/1996 ISL-016-30-31-19960101 ISL-016-19960101 30 - 31 N
< 2.2 U	< 2.2 U	< 2.6 U	< 2.4 U	< 2.5 U	< 2.9 U
0.13 J	**0.028 J**	**0.31 J**	**0.19 J**	**0.32 J**	**0.674**
< 0.19 U	< 0.19 U	< 0.21 U	< 0.2 U	< 0.21 U	< 0.24 U
16	**1.55**	**22.7**	**2.51**	**17**	**31.9**
3.8	< 0.73 U	**5.79**	**1.17**	**5.24**	**14.2**
7.37	**1.43**	**8.78**	**0.74**	**9.04**	**20.7**
< 0.028 U	< 0.027 U	**0.1 J**	< 0.027 U	**0.1 J**	< 0.033 U
1.4 J	**0.25 J**	**4.81**	< 0.85 UJ	**5.45**	**5.96**
0.624	**0.33 J**	**0.33 J**	**0.32 J**	< 0.082 U	**0.33 J**
< 0.19 U	< 0.19 U	< 0.22 U	< 0.21 U	< 0.22 U	< 0.25 U

AIP MNOP Site ISL-017 1/1/1996 ISL-017-1-2-19960101 ISL-017-19960101 1 - 2 N	AIP MNOP Site ISL-017 1/1/1996 ISL-017-20-21-19960101 ISL-017-19960101 20 - 21 N	AIP MNOP Site ISL-020 1/1/1996 ISL-020-1-2-19960101 ISL-020-19960101 1 - 2 N	AIP MNOP Site ISL-020 1/1/1996 ISL-020A DUP-1-2-19960101 ISL-020-19960101 1 - 2 FD	AIP MNOP Site ISL-021 1/1/1996 ISL-021-1-2-19960101 ISL-021-19960101 1 - 2 N	AIP MNOP Site ISL-021 1/1/1996 ISL-021-40-41-19960101 ISL-021-19960101 40 - 41 N
< 2.5 U	< 2.5 U	< 2.5 U	< 2.6 U	< 2.5 U	< 2.5 U
0.12 J	**0.029 J**	**0.11 J**	**0.13 J**	**0.18 J**	< 0.018 U
< 0.2 U	< 0.21 U	**0.662**	**0.672**	**0.31 J**	< 0.21 U
10.3	**5.85**	**21.7**	**20.8**	**21.5**	**1 J**
3.5	**1.45**	**5.57**	**6.2**	**9.06**	< 0.83 U
5.61	**2.67**	**8.78**	**8.99**	**6.47**	**0.622**
0.044 J	< 0.028 U	< 0.032 U	< 0.032 U	**0.067 J**	< 0.028 U
2 J	**2 J**	**4.45**	**5.1**	**7.74**	< 0.59 UJ
0.33 J	< 0.082 U	**0.32 J**	**0.27 J**	**0.31 J**	< 0.083 U
< 0.21 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U

AIP MNOP Site ISL-022 1/1/1996 ISL-022-1-2-19960101 ISL-022-19960101 1 - 2 N	AIP MNOP Site ISL-022 1/1/1996 ISL-022-15-16-19960101 ISL-022-19960101 15 - 16 N	AIP MNOP Site ISL-022 1/1/1996 ISL-022A DUP-1-2-19960101 ISL-022-19960101 1 - 2 FD	AIP MNOP Site ISL-023 1/1/1996 ISL-023-1-2-19960101 ISL-023-19960101 1 - 2 N	AIP MNOP Site ISL-023 1/1/1996 ISL-023-15-16-19960101 ISL-023-19960101 15 - 16 N	AIP MNOP Site ISL-024 1/1/1996 ISL-024-1-2-19960101 ISL-024-19960101 1 - 2 N
< 2.6 U	< 2.4 U	< 2.5 U	< 2.7 U	< 2.4 U	< 2.6 U
0.073 J	**0.056 J**	**0.062 J**	**0.091 J**	**0.049 J**	**0.14 J**
0.61	**0.26 J**	**0.56 J**	**0.627**	**0.21 J**	< 0.21 U
22.3	**2.59**	**22.2**	**43.1**	**7.36**	**16.8**
4.97	**3.04**	**4.74**	**6.42**	**2.17**	**5.52**
6.3	**2.01**	**5.32**	**5.92**	**1.59**	**6.99**
0.046 J	< 0.026 U	< 0.028 U	**0.047 J**	**0.053 J**	**0.092 J**
1.5 J	**0.43 J**	**2.66**	< 3.96 U	**0.13 J**	**4.21**
< 0.084 U	**0.24 J**	**0.41 J**	**0.4 J**	**0.27 J**	**0.37 J**
< 0.22 U	< 0.2 U	< 0.22 U	< 0.23 U	< 0.021 U	< 0.22 U

AIP MNOP Site ISL-024 1/1/1996 ISL-024-30-31-19960101 ISL-024-19960101 30 - 31 N	AIP MNOP Site ISL-025 1/1/1996 ISL-025-1-2-19960101 ISL-025-19960101 1 - 2 N	AIP MNOP Site ISL-025 1/1/1996 ISL-025-25-26-19960101 ISL-025-19960101 25 - 26 N	AIP MNOP Site ISL-026 1/1/1996 ISL-026-1-2-19960101 ISL-026-19960101 1 - 2 N	AIP MNOP Site ISL-026 1/1/1996 ISL-026-35-37-19960101 ISL-026-19960101 35 - 37 N	AIP MNOP Site ISL-026 1/1/1996 ISL-026A DUP-1-2-19960101 ISL-026-19960101 1 - 2 FD
< 2.4 U	< 2.5 U	< 2.4 U	< 2.5 U	< 2.4 U	< 2.5 U
< 0.017 U	**0.19 J**	< 0.017 U	**0.18 J**	**0.02 J**	**0.21 J**
< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
2.31	**8.27**	**3.16**	**11.9**	**3.85**	**13.4**
< 0.78 U	**3.24**	< 0.78 U	**4.34**	**0.85 J**	**5.21**
0.636	**9.61**	**0.687**	**14.4**	**1.01**	**14.5**
< 0.027 U	**0.088 J**	< 0.026 U	**0.055 J**	< 0.027 U	**0.044 J**
< 0.4 UJ	**2.23**	< 0.46 UJ	**2.71**	< 0.26 UJ	**3.87**
< 0.078 U	**0.38 J**	< 0.078 U	< 0.081 U	< 0.08 U	< 0.081 U
< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U

AIP MNOP Site ISL-026 1/1/1996 ISL-026A DUP-35-37-19960101 ISL-026-19960101 35 - 37 FD	AIP MNOP Site ISL-027 1/1/1996 ISL-027-1-2-19960101 ISL-027-19960101 1 - 2 N	AIP MNOP Site ISL-027 1/1/1996 ISL-027-30-31-19960101 ISL-027-19960101 30 - 31 N	AIP MNOP Site ISL-028 1/1/1996 ISL-028-1-2-19960101 ISL-028-19960101 1 - 2 N	AIP MNOP Site ISL-028 1/1/1996 ISL-028-35-36-19960101 ISL-028-19960101 35 - 36 N	AIP MNOP Site ISL-029 1/1/1996 ISL-029-1-2-19960101 ISL-029-19960101 1 - 2 N
< 2.4 U	< 2.5 U	< 2.4 U	< 2.4 U	< 2.5 U	< 2.5 U
0.017 J	**0.32 J**	< 0.17 U	**0.22 J**	**0.027 J**	**0.16 J**
< 0.2 U	< 0.21 U	< 0.2 U	**0.53 J**	< 0.21 U	**0.603**
3.51	**13.4**	**4.15**	**8.47**	**2.72**	**12**
0.83 J	**5.29**	< 0.78 U	**3.72**	< 0.81 U	**5.36**
1.63	**11.6**	**1.27**	**6.5**	**1.55**	**5.87**
< 0.027 U	**0.067 J**	< 0.026 U	**0.076 J**	< 0.028 U	**0.045 J**
< 0.48 UJ	**5.83**	< 0.41 UJ	**4.14**	**0.61 J**	**5.52**
< 0.08 U	**0.48 J**	< 0.078 U	< 0.08 U	< 0.081 U	**0.28 J**
< 0.21 U	< 0.22 U	< 0.21 U	< 0.21 U	< 0.22 U	< 0.22 U

AIP MNOP Site ISL-029 1/1/1996 ISL-029-35-36-19960101 ISL-029-19960101 35 - 36 N	AIP MNOP Site ISL-030 1/1/1996 ISL-030-1-2-19960101 ISL-030-19960101 1 - 2 N	AIP MNOP Site ISL-030 1/1/1996 ISL-030-35-36-19960101 ISL-030-19960101 35 - 36 N	AIP MNOP Site ISL-031 1/1/1996 ISL-031-0-2-19960101 ISL-031-19960101 0 - 2 N	AIP MNOP Site ISL-031 1/1/1996 ISL-031-14-16-19960101 ISL-031-19960101 14 - 16 N	AIP MNOP Site ISL-032 1/1/1996 ISL-032-0-2-19960101 ISL-032-19960101 0 - 2 N
< 2.4 U	< 2.4 U	< 2.4 U	< 0 R	< 0 R	< 0 R
0.17 J	**0.16 J**	**0.021 J**	**0.22 J**	**0.079 J**	**0.13 J**
< 0.2 U	**0.31 J**	< 0.2 U	**0.5 J**	**0.37 J**	**1.96**
1.23	**5.23**	**1.25**	**7.32**	**13.6**	**19.1**
< 0.78 U	**2.67**	< 0.8 U	**3.62**	**5.63**	**7.54**
1.37	**5.16**	**1.85**	**5.22 J**	**4.87 J**	**11.7 J**
< 0.026 U	**0.032 J**	< 0.027 U	**0.027 J**	< 0 R	< 0 R
0.32 J	**2.74**	**0.45 J**	**3.35**	**3.78**	< 3.6 U
< 0.078 U	< 0.079 U	< 0.08 U	**0.34 J**	**0.31 J**	**0.47 J**
< 0.2 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.22 U

AIP MNOP Site ISL-032 1/1/1996 ISL-032-14-16-19960101 ISL-032-19960101 14 - 16 N	AIP MNOP Site ISL-033 1/1/1996 ISL-033-1-2-19960101 ISL-033-19960101 1 - 2 N	AIP MNOP Site ISL-033 1/1/1996 ISL-033-25-26-19960101 ISL-033-19960101 25 - 26 N	AIP MNOP Site ISL-034 1/1/1996 ISL-034-0-2-19960101 ISL-034-19960101 0 - 2 N	AIP MNOP Site ISL-034 1/1/1996 ISL-034-14-16-19960101 ISL-034-19960101 14 - 16 N	AIP MNOP Site ISL-035 1/1/1996 ISL-035-0-2-19960101 ISL-035-19960101 0 - 2 N
< 0 R	< 2.5 U	< 2.5 U	< 0 R	< 0 R	< 0 R
< 0.017 U	**0.18 J**	**0.048 J**	**0.13 J**	**0.056 J**	**0.12 J**
0.3 J	**0.21 J**	< 0.21 U	**0.644**	**0.561**	**1.24**
5.51	**21.5**	**7.88**	**14.5**	**14.6**	**13.2**
< 2.78 U	**7.08**	**2.61**	**7.68**	**4.75**	**4.72**
11.3 J	**7.01**	**8.54**	**20.8 J**	**9.84 J**	**7.46 J**
< 0 R	< 0.028 U	< 0.028 U	< 0 R	< 0 R	< 0 R
< 1.3 UJ	**3.98**	**2.74**	< 2 UJ	< 2.59 U	< 2.56 U
< 0.079 U	< 0.083 U	< 0.081 U	< 0.082 U	< 0.082 U	**0.26 J**
< 0.21 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U

AIP MNOP Site ISL-035 1/1/1996 ISL-035-19-21-19960101 ISL-035-19960101 19 - 21 N	AIP MNOP Site ISL-035 1/1/1996 ISL-035D DUP-0-2-19960101 ISL-035-19960101 0 - 2 FD	AIP MNOP Site ISL-036 1/1/1996 ISL-036-1-2-19960101 ISL-036-19960101 1 - 2 N	AIP MNOP Site ISL-036 1/1/1996 ISL-036-45-46-19960101 ISL-036-19960101 45 - 46 N	AIP MNOP Site ISL-037 1/1/1996 ISL-037 DUP-1-2-19960101 ISL-037-19960101 1 - 2 FD	AIP MNOP Site ISL-037 1/1/1996 ISL-037 DUP-40-41-19960101 ISL-037-19960101 40 - 41 FD
< 0 R	< 0 R	< 2.5 U	< 2.4 U	< 2.5 U	< 2.5 U
< 0.018 U	**0.1 J**	**0.94 J**	< 0.017 U	**0.073 J**	**0.036 J**
< 0.21 U	**1.15**	**0.25 J**	< 0.19 U	**0.32 J**	< 0.2 U
2.05	**12.1**	**22.9**	**1.22**	**15.9**	**4.2**
< 0.92 UJ	< 4.06 U	**4.47**	< 0.77 U	**4.31**	< 0.81 U
4.18 J	**6.73 J**	**5.61**	**0.63**	**2.95**	**2.53**
0.115 J	< 0 R	**0.034 J**	< 0.026 U	< 0.027 U	< 0.028 U
< 0.93 UJ	< 2.55 U	< 1.7 UJ	< 0.73 UJ	**2 J**	< 0.75 UJ
< 0.083 U	< 0.081 U	**0.561**	< 0.077 U	< 0.08 U	< 0.081 U
< 0.22 U	< 0.21 U	< 0.22 U	< 0.2 U	< 0.21 U	< 0.21 U

AIP MNOP Site ISL-037 1/1/1996 ISL-037-1-2-19960101 ISL-037-19960101 1 - 2 N	AIP MNOP Site ISL-037 1/1/1996 ISL-037-40-41-19960101 ISL-037-19960101 40 - 41 N	AIP MNOP Site ISL-038 1/1/1996 ISL-038-1-2-19960101 ISL-038-19960101 1 - 2 N	AIP MNOP Site ISL-038 1/1/1996 ISL-038-40-41-19960101 ISL-038-19960101 40 - 41 N	AIP MNOP Site ISL-039 1/1/1996 ISL-039-1-2-19960101 ISL-039-19960101 1 - 2 N	AIP MNOP Site ISL-039 1/1/1996 ISL-039-40-41-19960101 ISL-039-19960101 40 - 41 N	AIP MNOP Site ISL-040 1/1/1996 ISL-040-1-2-19960101 ISL-040-19960101 1 - 2 N
< 2.6 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.4 U	< 2.7 U	< 2.6 U
0.13 J	**0.035 J**	**0.24 J**	**0.032 J**	**0.32 J**	**0.052 J**	**0.096 J**
< 0.21 U	< 0.2 U	**0.84**	< 0.21 U	**0.34 J**	< 0.22 U	**0.71**
21.3	**2.51**	**8.29**	**2.39**	**15.8**	**5.55**	**24.7**
7.4	< 0.81 U	**6.09**	< 0.82 U	**7.82**	**1.1 J**	**4.59**
6.16	**1.44**	**19**	**1.78**	**15.8**	**3.07**	**5.98**
0.034 J	< 0.028 U	**0.045 J**	< 0.028 U	**0.087 J**	< 0.03 U	< 0.033 U
2.91	< 0.62 UJ	**3.24**	< 0.063 U	< 4.3 U	< 0.24 UJ	**1.5 J**
0.571	< 0.081 U	< 0.082 U	< 0.082 U	**0.34 J**	< 0.087 U	**0.45 J**
< 0.22 U	< 0.21 U	< 0.22 U	< 0.22 U	< 0.21 U	< 0.23 U	< 0.22 U

AIP MNOP Site ISL-040 1/1/1996 ISL-040-30-31-19960101 ISL-040-19960101 30 - 31 N	AIP MNOP Site ISL-041 1/1/1996 ISL-041-1-2-19960101 ISL-041-19960101 1 - 2 N	AIP MNOP Site ISL-041 1/1/1996 ISL-041-35-36-19960101 ISL-041-19960101 35 - 36 N	AIP MNOP Site ISL-041 1/1/1996 ISL-041A DUP-1-2-19960101 ISL-041-19960101 1 - 2 FD	AIP MNOP Site ISL-042 1/1/1996 ISL-042-1-2-19960101 ISL-042-19960101 1 - 2 N	AIP MNOP Site ISL-042 1/1/1996 ISL-042-32-33-19960101 ISL-042-19960101 32 - 33 N
< 2.6 U	< 2.6 U	< 2.5 U	< 2.6 U	< 2.4 U	< 2.3 U
0.44 J	**0.21 J**	**0.018 J**	**0.3 J**	**0.19 J**	**0.025 J**
< 0.21 U	**1.23**	< 0.21 U	**1.05**	**0.29 J**	< 0.19 U
9.95	**36.2**	**4.32**	**26**	**13.2**	**5.92**
1.75	**11.1**	**0.97 J**	**14.2**	**4.32**	**1.13**
5.36	**8.96**	**0.51**	**11.1**	**15.5**	**1.08**
< 0.033 U	< 0.033 U	< 0.032 U	< 0.034 U	**0.053 J**	< 0.026 U
< 0.064 U	**2.97**	**0.19 J**	**2.2 J**	< 3.61 U	< 0.3 UJ
0.65	**0.31 J**	< 0.083 U	**0.49 J**	< 0.078 U	< 0.076 U
< 0.22 U	< 0.22 U	< 0.22 U	< 0.23 U	< 0.21 U	< 0.2 U

AIP MNOP Site ISL-043 1/1/1996 ISL-043-1-2-19960101 ISL-043-19960101 1 - 2 N	AIP MNOP Site ISL-043 1/1/1996 ISL-043-19-20-19960101 ISL-043-19960101 19 - 20 N	AIP MNOP Site ISL-043 1/1/1996 ISL-043A DUP-1-2-19960101 ISL-043-19960101 1 - 2 FD	AIP MNOP Site ISL-044 1/1/1996 ISL-044-1-2-19960101 ISL-044-19960101 1 - 2 N	AIP MNOP Site ISL-044 1/1/1996 ISL-044-50-51-19960101 ISL-044-19960101 50 - 51 N	AIP MNOP Site ISL-045 1/1/1996 ISL-045-1-2-19960101 ISL-045-19960101 1 - 2 N
< 2.6 U	< 2.3 U	< 2.6 U	< 2.5 U	< 2.3 U	< 2.6 U
0.14 J	**0.02 J**	**0.15 J**	**0.27 J**	< 0.017 U	**0.082 J**
0.591	< 0.19 U	**0.53 J**	**0.55 J**	< 0.19 U	**1.05**
27.9	**22.6**	**32.2**	**181**	**2.74**	**33.4**
8.32	**1.5**	**8.51**	**9.18**	< 0.77 U	**6.68**
6.63	**0.874**	**7.66**	**7.24**	**0.657**	**6.97**
0.046 J	< 0.026 U	**0.034 J**	**0.057 J**	< 0.026 U	< 0.033 U
< 4.2 U	< 1.1 UJ	**5.69**	**8.74**	< 0.059 U	**3.01**
0.53 J	< 0.076 U	**0.53 J**	**0.26 J**	< 0.077 U	**0.5 J**
< 0.22 U	< 0.2 U	< 0.22 U	< 0.22 U	< 0.2 U	< 0.22 U

AIP MNOP Site ISL-045 1/1/1996 ISL-045-50-51-19960101 ISL-045-19960101 50 - 51 N	AIP MNOP Site ISL-046 1/1/1996 ISL-046-1-2-19960101 ISL-046-19960101 1 - 2 N	AIP MNOP Site ISL-046 1/1/1996 ISL-046-14-15-19960101 ISL-046-19960101 14 - 15 N	AIP MNOP Site ISL-047 1/1/1996 ISL-047-1-2-19960101 ISL-047-19960101 1 - 2 N	AIP MNOP Site ISL-047 1/1/1996 ISL-047-14-15-19960101 ISL-047-19960101 14 - 15 N	AIP MNOP Site ISL-048 1/1/1996 ISL-048-0-2-19960101 ISL-048-19960101 0 - 2 N
< 2.6 U	**2.9 J**	< 2.5 U	< 2.6 U	< 2.6 U	< 0 R
< 0.019 U	**0.29 J**	**0.091 J**	**0.35 J**	**0.023 J**	**0.22 J**
< 0.22 U	**0.605**	**0.38 J**	**1**	**0.29 J**	**1.15**
12.1	**22.4**	**29.8**	**19.4**	**12.5**	**12.2**
8.26	**7.55**	**5.59**	**8.07**	**3.2**	**5.15**
4.91	**8.19**	**6.22**	**11.5**	**6.2**	**7.66 J**
< 0.034 U	**0.057 J**	**0.055 J**	**0.092 J**	**0.034 J**	< 0 R
0.39 J	**6.79**	< 2.36 UJ	**8.57**	< 0.92 U	< 3.28 U
0.43 J	**0.38 J**	**0.3 J**	< 0.084 U	< 0.084 U	**0.47 J**
< 0.23 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U

AIP MNOP Site ISL-048 1/1/1996 ISL-048-29-31-19960101 ISL-048-19960101 29 - 31 N	AIP MNOP Site ISL-049 1/1/1996 ISL-049-12-13-19960101 ISL-049-19960101 12 - 13 N	AIP MNOP Site ISL-049 1/1/1996 ISL-049-1-2-19960101 ISL-049-19960101 1 - 2 N	AIP MNOP Site ISL-050 1/1/1996 ISL-050-14-15-19960101 ISL-050-19960101 14 - 15 N	AIP MNOP Site ISL-050 1/1/1996 ISL-050-3-4-19960101 ISL-050-19960101 3 - 4 N	AIP MNOP Site ISL-051 1/1/1996 ISL-051-1-2-19960101 ISL-051-19960101 1 - 2 N
< 0 R	< 2.6 U	< 2.4 U	< 2.5 U	< 2.5 U	< 2.7 U
< 0.017 U	**0.024 J**	**0.28 J**	**0.064 J**	**0.15 J**	**0.13 J**
< 0.2 U	< 0.22 U	**0.707**	**0.26 J**	**0.52 J**	**0.755**
4.73	**7.7**	**16.7**	**30.1**	**27.8**	**34.8**
< 1.11 U	**2.32**	**4.91**	**5.23**	**6.92**	**8.14**
1.04 J	**7.31**	**8.13**	**4.27**	**8.97**	**7.57**
< 0 R	**0.047 J**	**0.032 J**	< 0.028 U	**0.056 J**	**0.096 J**
< 0.37 UJ	< 0.72 UJ	**6.53**	< 2.62 U	< 3.09 U	**4.1**
< 0.079 U	< 0.087 U	**0.27 J**	< 0.083 U	**0.28 J**	**1.1 J**
< 0.21 U	< 0.23 U	< 0.21 U	< 0.22 U	< 0.22 U	**0.25 J**

AIP MNOP Site ISL-051 1/1/1996 ISL-051-45-46-19960101 ISL-051-19960101 45 - 46 N	AIP MNOP Site ISL-052 1/1/1996 ISL-052-0.5-2-19960101 ISL-052-19960101 0.5 - 2 N	AIP MNOP Site ISL-052 1/1/1996 ISL-052-45-46-19960101 ISL-052-19960101 45 - 46 N	AIP MNOP Site ISL-053 1/1/1996 ISL-053-0.5-2-19960101 ISL-053-19960101 0.5 - 2 N	AIP MNOP Site ISL-053 1/1/1996 ISL-053-30-31-19960101 ISL-053-19960101 30 - 31 N	AIP MNOP Site ISL-054 1/1/1996 ISL-054-0.5-2-19960101 ISL-054-19960101 0.5 - 2 N
< 2.5 U	< 2.2 U	< 2.5 U	< 2.2 U	< 2.2 U	< 2.5 U
< 0.018 U	**0.21 J**	**0.031 J**	**0.15 J**	**0.025 J**	**0.13 J**
< 0.21 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U	**0.567**
2.09	**21.2**	**9.29**	**26.9**	**2.04**	**22.5**
< 0.81 U	**7.8**	**0.88 J**	**7.21**	< 0.73 U	**6.21**
0.943	**11.4**	**1.31**	**9.38**	**1.63**	**9.24**
< 0.028 U	< 0.028 U		< 0.029 U	< 0.027 U	< 0.028 U
0.47 J	**6.39**	**2.1 J**	**3.87**	< 0.056 U	**3.27**
< 0.082 U	< 0.083 U	< 0.08 U	**1.14**	< 0.08 U	**0.36 J**
< 0.22 U	< 0.19 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.22 U

AIP MNOP Site ISL-054 1/1/1996 ISL-054-45-46-19960101 ISL-054-19960101 45 - 46 N	AIP MNOP Site ISL-055 1/1/1996 ISL-055-1-2-19960101 ISL-055-19960101 1 - 2 N	AIP MNOP Site ISL-055 1/1/1996 ISL-055-40-41-19960101 ISL-055-19960101 40 - 41 N	AIP MNOP Site ISL-056 1/1/1996 ISL-056-1-2-19960101 ISL-056-19960101 1 - 2 N	AIP MNOP Site ISL-056 1/1/1996 ISL-056-50-51-19960101 ISL-056-19960101 50 - 51 N	AIP MNOP Site ISL-057 1/1/1996 ISL-057-1-2-19960101 ISL-057-19960101 1 - 2 N
< 2.4 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
0.022 J	**0.21 J**	**0.029 J**	**0.13 J**	**0.093 J**	**0.099 J**
< 0.2 U	**0.25 J**	< 0.2 U	< 0.21 U	< 0.21 U	**0.64**
5.93	**19**	**1.33**	**18.1**	**15**	**24.8**
0.9 J	**5.95**	< 0.81 U	**4.17**	**3.61**	**6.54**
2.69	**10.3**	**2.53**	**3.99**	**2.23**	**8.83**
< 0.027 U	**0.077 J**	< 0.028 U	< 0.028 U	< 0.028 U	**0.034 J**
0.68 J	**4.48**	< 0.28 UJ	< 1 UJ	**1.4 J**	**4.84**
< 0.079 U	< 0.081 U	< 0.081 U	< 0.081 U	< 0.082 U	**0.55 J**
< 0.21 U	< 0.21 U	< 0.21 U	< 0.22 U	< 0.22 U	< 0.22 U

AIP MNOP Site ISL-057 1/1/1996 ISL-057-55-56-19960101 ISL-057-19960101 55 - 56 N	AIP MNOP Site ISL-058 1/1/1996 ISL-058-1-2-19960101 ISL-058-19960101 1 - 2 N	AIP MNOP Site ISL-058 1/1/1996 ISL-058-55-56-19960101 ISL-058-19960101 55 - 56 N	AIP MNOP Site ISL-059 1/1/1996 ISL-059-1-2-19960101 ISL-059-19960101 1 - 2 N	AIP MNOP Site ISL-059 1/1/1996 ISL-059-55-56-19960101 ISL-059-19960101 55 - 56 N	AIP MNOP Site ISL-060 1/1/1996 ISL-060-1-2-19960101 ISL-060-19960101 1 - 2 N
< 2.4 U	< 2.5 U	< 2.4 U	< 2.5 U	< 2.5 U	< 2.6 U
0.024 J	**0.17 J**	**0.025 J**	**0.11 J**	**0.042 J**	**0.18 J**
< 0.2 U	**0.898**	< 0.2 U	**0.43 J**	< 0.21 U	**0.678**
9.91	**19.3**	**2.62**	**26.6**	**18**	**20.7**
0.82 J	**5.63**	< 0.8 U	**5.66**	**2.03**	**7.14**
1.19	**6.76**	**1.96**	**11.4**	**2.59**	**8.94**
< 0.027 U	**0.033 J**	< 0.027 U	**0.1 J**	< 0.028 U	**0.08 J**
3.43	**4.04**	**0.16 J**	< 1.8 UJ	**3.45**	**4.76**
< 0.08 U	**0.31 J**	< 0.08 U	**0.4 J**	< 0.083 U	**0.883**
< 0.21 U	< 0.21 U	< 0.21 U	< 0.22 U	< 0.22 U	< 0.22 U

AIP MNOP Site ISL-060 1/1/1996 ISL-060-35-36-19960101 ISL-060-19960101 35 - 36 N	AIP MNOP Site ISL-063 1/1/1996 ISL-063-1-2-19960101 ISL-063-19960101 1 - 2 N	AIP MNOP Site ISL-063 1/1/1996 ISL-063-40-41-19960101 ISL-063-19960101 40 - 41 N	AIP MNOP Site MNOP02 6/30/2011 R4-E112801-02 MNOP02-20110630 0 - 6 N	AIP MNOP Site MNOP03 6/30/2011 R4-E112801-03 MNOP03-20110630 0 - 6 N	AIP MNOP Site MNOP04 6/30/2011 R4-E112801-04 MNOP04-20110630 0 - 6 N	AIP MNOP Site MNOP05 6/29/2011 R4-E112801-05 MNOP05-20110629 0 - 6 N	AIP MNOP Site MNOP05 6/29/2011 R4-E112801-06 MNOP05-20110629 0 - 6 FD
3.3 J	< 2.5 U	< 2.4 U					
< 0.017 U	**0.13 J**	< 0.017 U					
< 0.2 U	**0.31 J**	< 0.19 U					
3.28	**17.4**	**2.75**					
< 0.78 U	**6.52**	< 0.77 U					
0.748	**6.41**	**0.462**					
< 0.027 U	**0.056 J**	< 0.026 U	< 0.050 U,J,O	**0.072 J,O**	**0.40**	**0.058 J,O**	**0.070 J,O**
0.21 J	< 4.39 U	< 0.28 UJ					
< 0.079 U	< 0.083 U	< 0.077 U					
< 0.21 U	< 0.22 U	< 0.2 U					

AWI AWI AWI201 5/14/2009 R4-C092302-21 AWI201-20090514 0 - 0 N	AWI AWI AWI201 5/14/2009 R4-C092302-20 AWI201-20090514 0 - 0 N	AWI AWI AWI202 5/14/2009 R4-C092302-23 AWI202-20090514 0 - 0 N	AWI AWI AWI202 5/14/2009 R4-C092302-22 AWI202-20090514 0 - 0 N	AWI AWI AWI203 5/14/2009 R4-C092302-25 AWI203-20090514 0 - 0 N	AWI AWI AWI203 5/14/2009 R4-C092302-24 AWI203-20090514 0 - 0 N	AWI AWI AWI204 5/14/2009 R4-C092302-27 AWI204-20090514 0 - 0 N	AWI AWI AWI204 5/14/2009 R4-C092302-26 AWI204-20090514 0 - 0 N

AWI AWI AWI205 5/14/2009 R4-C092302-30 AWI205-20090514 0 - 0 N	AWI AWI AWI205 5/14/2009 R4-C092302-31 AWI205-20090514 0 - 0 FD	AWI AWI AWI205 5/14/2009 R4-C092302-28 AWI205-20090514 0 - 0 N	AWI AWI AWI205 5/14/2009 R4-C092302-29 AWI205-20090514 0 - 0 FD	AWI AWI AWI207 5/13/2009 R4-C092302-34 AWI207-20090513 0 - 0 N	AWI AWI AWI207 5/13/2009 R4-C092302-33 AWI207-20090513 0 - 0 N	AWI AWI AWI208 5/13/2009 R4-C092302-36 AWI208-20090513 0 - 0 N	AWI AWI AWI208 5/13/2009 R4-C092302-35 AWI208-20090513 0 - 0 N

AWI AWI AWI209 5/13/2009 R4-C092302-37 AWI209-20090513 0 - 0 N	AWI AWI AWI210 5/13/2009 R4-C092302-39 AWI210-20090513 0 - 0 N	AWI AWI AWI210 5/13/2009 R4-C092302-38 AWI210-20090513 0 - 0 N	AWI AWI AWI211 5/13/2009 R4-C092302-41 AWI211-20090513 0 - 0 N	AWI AWI AWI211 5/13/2009 R4-C092302-40 AWI211-20090513 0 - 0 N	AWI AWI AWI212 5/13/2009 R4-C092302-43 AWI212-20090513 0 - 0 N	AWI AWI AWI212 5/13/2009 R4-C092302-42 AWI212-20090513 0 - 0 N	AWI AWI AWI213 5/13/2009 R4-C092302-45 AWI213-20090513 0 - 0 N
							10000
							3.5 J,O
							0.96 J,O
							140
							0.86
							0.93 J,O
							22000
							13
							< 6.6 U,J,O
							78 J,O
							5900
							51
							4000
							510
							0.086 J,O
							5.1 J,O
							460 J,O
							< 4.6 U
							< 1.3 U
							180 J,O

AWI AWI AWI213 5/13/2009 R4-C092302-44 AWI213-20090513 0 - 0 N	AWI AWI AWI214 5/13/2009 R4-C092302-47 AWI214-20090513 0 - 0 N	AWI AWI AWI214 5/13/2009 R4-C092302-46 AWI214-20090513 0 - 0 N	AWI AWI AWI215 5/13/2009 R4-C092302-49 AWI215-20090513 0 - 0 N	AWI AWI AWI215 5/13/2009 R4-C092302-48 AWI215-20090513 0 - 0 N	AWI AWI AWI216 5/13/2009 R4-C092302-51 AWI216-20090513 0 - 0 N	AWI AWI AWI216 5/13/2009 R4-C092302-50 AWI216-20090513 0 - 0 N	FML LANDFILL OU2 FML300 5/12/2009 R4-C092302-81 FML300-20090512 0 - 0 N
14000	14000	16000	15000	17000	15000	20000	2600
1.1 J,O	2.4 J,O	1.7 J,O	9.1 J,O	1.5 J,O	1.2 J,O		
1.1 J,O	0.59 J,O	1.4	< 1.5 U	0.69 J,O	1.9	1.9	1.2
160	190	210	400	240	220	240	24
2.0	1.5	2.2	1.5	1.5	1.5	2.0	< 0.59 U,J,O
2.5 J,O	2.6 J,O	3.9 J,O	140 J,O	4.9 J,O	2.3	0.87	0.35 J,O
47000	42000	45000	43000	50000	32000	44000	1200
18	25	31	61	26	19	30	5.6
15	< 6.6 U,J,O	< 6.5 U,J,O	< 7.6 U,J,O	< 8.5 U,J,O	< 8.6 U,J,O	< 8.0 U,J,O	< 5.9 U,J,O
260 J,O	110 J,O	300 J,O	100 J,O	200 J,O	99	240	53
					1.5 J,O	0.91 J,O	< 3.0 U
7700	15000	13000	20000	25000	6100	8300	3800
61	87	120	54	46	57	82	22
8200	7900	8700	8000	9300	5800	9200	200 J,O
430	600	700	700	770	750	1000	120
0.13 J,O	0.29 J,O	0.78 J,O	0.25 J,O	0.27 J,O	< 0.17 U	< 0.16 U,O	< 0.12 U
11 J,O	12 J,O	34 J,O	9.9 J,O	16 J,O	9.7 J,O	17 J,O	0.90 J,O
700	790	850	1700	1200	990	990	390 J,O
< 4.2 U	< 4.6 U	0.81 J,O	7.2	1.1 J,O	1.7 J,O	1.5 J,O	< 4.1 U,J,O
< 1.2 U	< 1.3 U	0.57 J,O	< 1.5 U	< 1.7 U	< 1.7 U	< 1.6 U	< 1.2 U
280 J,O	250 J,O	350 J,O	390 J,O	880	290 J,O	480 J,O	4.6 J,O

FML LANDFILL OU2 FML300 5/12/2009 R4-C092302-80 FML300-20090512 0 - 0 N	FML LANDFILL OU2 FML301 5/12/2009 R4-C092302-83 FML301-20090512 0 - 0 N	FML LANDFILL OU2 FML301 5/12/2009 R4-C092302-82 FML301-20090512 0 - 0 N	FML LANDFILL OU2 FML302 5/14/2009 R4-C092302-85 FML302-20090514 0 - 0 N	FML LANDFILL OU2 FML302 5/14/2009 R4-C092302-84 FML302-20090514 0 - 0 N	FML LANDFILL OU2 FML303 5/14/2009 R4-C092302-87 FML303-20090514 0 - 0 N	FML LANDFILL OU2 FML303 5/14/2009 R4-C092302-86 FML303-20090514 0 - 0 N	FML LANDFILL OU2 FML304 5/15/2009 R4-C092302-89 FML304-20090515 0 - 0 N	FML LANDFILL OU2 FML304 5/15/2009 R4-C092302-88 FML304-20090515 0 - 0 N
5000	6400	2800	3500	470	4900	8900	9900	7600
	0.30 J,O		0.41 J,O	< 7.7 U,J,O	3.3 J,O	7.8 J,O		2.2 J,O
1.0 J,O	4.8	1.1	1.2	< 1.3 U	1.6	4.6	6.5	4.3 J,O
71	71	62	99	16 J,O	250	2600	250	120
< 0.56 U,J,O	< 0.71 U,J,O	< 0.56 U,J,O	0.18 J,O	0.64 J,O	0.15 J,O	0.10 J,O	< 1.7 U,J,O	< 2.6 U,J,O
0.46 J,O	4.5	3.9	2.7	< 0.64 U,J,O	13	150	6.2	77
1000	5200	830	2400	120 J,O	3800	6000	9100	4800
4.8	15	6.9	9.1	2.0	30	140	24	61
< 5.6 U,J,O	< 7.1 U,J,O	< 5.6 U,J,O	0.88 J,O	< 6.4 U	1.6 J,O	2.8 J,O	< 17 U,J,O	< 26 U,J,O
28	49	37	47	0.91 J,O	710	1300	53	97
< 2.7 U	< 3.5 U	< 2.8 U	< 2.9 U	< 3.2 U	< 3.1 U	< 3.1 U	< 8.5 U	< 13 U
3200	14000	5100	4300	930	6600	12000	31000	7000
20	150	100	25	< 1.3 U,J,O	560	1000	90	100
210 J,O	730	230 J,O	190 J,O	< 640 U,J,O	550 J,O	890	1400 J,O	700 J,O
280	260	100	320	23	230	1500	2400	140
< 0.11 U	< 0.14 U,O	< 0.11 U	0.69	< 0.12 U	0.47	3.4	< 0.32 U,O	4.7 J,O
1.7 J,O	5.0 J,O	1.6 J,O	3.1 J,O	5.1 J,O	14 J,O	150 J,O	7.5 J,O	7.3 J,O
< 560 U,J,O	220 J,O	< 560 U,J,O	70 J,O	< 640 U	180 J,O	140 J,O	550 J,O	150 J,O
< 3.9 U,J,O	< 5.0 U,J,O	< 3.9 U,J,O	< 4.1 U,J,O	< 4.5 U,J,O	0.92 J,O	< 4.3 U,J,O	< 12 U,J,O	< 18 U,J,O
< 1.1 U	< 1.4 U	< 1.1 U	< 1.2 U	< 1.3 U	< 1.3 U	1.7	< 3.4 U	< 5.1 U
5.1 J,O	62 J,O	22 J,O	15 J,O	7.6 J,O	20 J,O	38 J,O	110 J,O	140 J,O

FML LANDFILL OU2 FML305 5/15/2009 R4-C092302-91 FML305-20090515 0 - 0 N	FML LANDFILL OU2 FML305 5/15/2009 R4-C092302-90 FML305-20090515 0 - 0 N	FML LANDFILL OU2 FML306 5/12/2009 R4-C092302-93 FML306-20090512 0 - 0 N	FML LANDFILL OU2 FML306 5/12/2009 R4-C092302-92 FML306-20090512 0 - 0 N	FML LANDFILL OU2 FML307 5/12/2009 R4-C092302-95 FML307-20090512 0 - 0 N	FML LANDFILL OU2 FML307 5/12/2009 R4-C092302-94 FML307-20090512 0 - 0 N	FML LANDFILL OU2 FML308 5/15/2009 R4-C092302-97 FML308-20090515 0 - 0 N	FML LANDFILL OU2 FML308 5/15/2009 R4-C092302-96 FML308-20090515 0 - 0 N	FML LANDFILL OU2 FML309 5/15/2009 R4-C092302-99 FML309-20090515 0 - 0 N
8800	**12000**	**12000**	**4800**	**2300**	**1700**	**9000**	**7000**	**6800**
		0.32 J,O				**0.95 J,O**	**3.1 J,O**	
4.2	**2.2**	**2.0**	**2.0**	**0.69 J,O**	**0.38 J,O**	**4.6**	**2.9 J,O**	**3.6 J,O**
230	**130**	**160**	**62**	**11 J,O**	**9.7 J,O**	**260**	**120**	**220**
< 0.95 U,J,O	< 0.80 U,J,O	**1.0**	< 0.83 U,J,O	< 0.54 U,J,O	< 0.54 U,J,O	< 1.7 U,J,O	< 1.8 U,J,O	< 2.8 U,J,O
1.6	**5.2**	**0.57 J,O**	< 0.83 U	< 0.54 U	< 0.54 U	**7.8**	**75**	**4.6**
1600	**1200**	**29000**	**17000**	**210 J,O**	**59 J,O**	**12000**	**5200**	**13000**
19	**27**	**23**	**9.5**	**4.2**	**3.7**	**23**	**93**	**17**
18	< 8.0 U,J,O	< 7.0 U,J,O	< 8.3 U,J,O	< 5.4 U,J,O	< 5.4 U,J,O	< 17 U,J,O	< 18 U,J,O	< 28 U,J,O
14	**18**	**39**	**27**	**6.5**	< 2.7 U,J,O	**47**	**100**	**73**
< 4.8 U	< 4.1 U	< 3.5 U	< 4.1 U	< 2.7 U	< 2.7 U	< 8.4 U	< 9.2 U	< 14 U
27000	**16000**	**7300**	**6600**	**3900**	**3000**	**25000**	**8400**	**18000**
35	**36**	**37**	**35**	**5.0**	**1.7**	**90**	**170**	**57**
870 J,O	**900**	**6600**	**1700**	**46 J,O**	**30 J,O**	**1400 J,O**	**620 J,O**	**1100 J,O**
3600	**410**	**690**	**230**	**27**	**25**	**1800**	**120**	**320**
0.51 J,O	< 0.17 U	< 0.13 U	< 0.17 U,O	< 0.11 U	< 0.11 U	**1.2 J,O**	< 0.37 U	< 0.59 U
5.0 J,O	**5.3 J,O**	**6.1 J,O**	**4.4 J,O**	**0.23 J,O**	**0.81 J,O**	**8.2 J,O**	**5.7 J,O**	**9.5 J,O**
560 J,O	**650 J,O**	**1400**	**270 J,O**	< 540 U,J,O	< 540 U,J,O	**540 J,O**	**190 J,O**	**520 J,O**
< 6.7 U,J,O	< 5.6 U,J,O	**1.2 J,O**	< 5.8 U,J,O	< 3.8 U,J,O	< 3.8 U,J,O	< 12 U,J,O	< 13 U,J,O	< 20 U,J,O
< 1.9 U	< 1.6 U	< 1.4 U	< 1.7 U	< 1.1 U	< 1.1 U	< 3.4 U	< 3.7 U	< 5.6 U
42 J,O	**48 J,O**	**200 J,O**	**65 J,O**	**3.0 J,O**	< 540 U	**140 J,O**	**280 J,O**	**180 J,O**

FML LANDFILL OU2 FML309 5/15/2009 R4-C092302-98 FML309-20090515 0 - 0 N	FML LANDFILL OU2 FML309 5/15/2009 R4-C092303-01 FML309-20090515 0 - 0 FD	FML LANDFILL OU2 FML310 5/12/2009 R4-C092303-02 FML310-20090512 0 - 0 N
8300	**7100**	**5700**
5.7	**5.4 J,O**	**2.7**
130	**280**	**26**
< 2.8 U,J,O	< 3.2 U,J,O	< 0.57 U,J,O
110	**6.5**	< 0.57 U
4200	**18000**	**1900**
100	**19**	**20**
< 28 U,J,O	< 32 U,J,O	< 5.7 U,J,O
140	**84**	**9.6**
< 14 U	< 16 U	< 2.8 U
14000	**28000**	**16000**
140	**60**	**17**
610 J,O	**1400 J,O**	**210 J,O**
95	**560**	**99**
< 0.60 U,O	< 0.65 U,J,O	< 0.11 U,J,O
16 J,O	**11 J,O**	**1.6 J,O**
270 J,O	**640 J,O**	**240 J,O**
< 20 U,J,O	< 23 U,J,O	< 4.0 U,J,O
< 5.7 U	< 6.5 U	< 1.1 U
210 J,O	**200 J,O**	**9.7 J,O**

Thallium	7440-28-0	mg/kg	< 2.9 U,J,O	< 2.9 U,J,O	< 0.092 U	< 0.088 U
Vanadium	7440-62-2	mg/kg	**34 J,O**	**33 J,O**		
Zinc	7440-66-6	mg/kg	**240**	**22**	**15.2**	**3.04**
PCBs (mg/kg)						
Aroclor 1016	12674-11-2	mg/kg	< 0.038 U	**0.017 J,O**		
Aroclor 1221	11104-28-2	mg/kg	< 0.038 U	< 0.04 U		
Aroclor 1232	11141-16-5	mg/kg	< 0.038 U	< 0.04 U		
Aroclor 1242	53469-21-9	mg/kg	< 0.038 U	< 0.04 U		
Aroclor 1248	12672-29-6	mg/kg	< 0.038 U,J,O	< 0.04 U,J,O		
Aroclor 1254	11097-69-1	mg/kg	**0.021 J,O**	< 0.04 U		
Aroclor 1260	11096-82-5	mg/kg	**0.068**	**0.02 J,O**		
Aroclor 1262	37324-23-5	mg/kg	< 0.038 U	< 0.04 U		
Aroclor 1268	11100-14-4	mg/kg	< 0.038 U	< 0.04 U		
Pesticides (mg/kg)						
4,4'-DDD	72-54-8	mg/kg	< 0.0038 U	< 0.0040 U		
4,4'-DDE	72-55-9	mg/kg	**0.0057**	< 0.0040 U		
4,4'-DDT	50-29-3	mg/kg	**0.0095**	< 0.0040 U		
Aldrin	309-00-2	mg/kg	< 0.0020 U	< 0.0021 U		
alpha-BHC/HCH	319-84-6	mg/kg	< 0.0020 U	< 0.0021 U		
alpha-Chlordane	5103-71-9	mg/kg	< 0.0020 U	< 0.0021 U		
beta-BHC/HCH	319-85-7	mg/kg	< 0.0020 U	< 0.0021 U		
Chlorinated camphene/ Toxaphene	8001-35-2	mg/kg	< 0.2 U	< 0.21 U		
cis-Heptachlor epoxide	1024-57-3	mg/kg	**0.00051 J,O**	< 0.0021 U		
delta-BHC/HCH	319-86-8	mg/kg	< 0.0020 U	< 0.0021 U		
Dieldrin	60-57-1	mg/kg	**0.0024 NJ,O**	< 0.0040 U		
Endosulfan I (Alpha)	959-98-8	mg/kg	< 0.0020 U	< 0.0021 U		
Endosulfan II (Beta)	33213-65-9	mg/kg	< 0.0038 U	< 0.0040 U		
Endosulfan sulfate	1031-07-8	mg/kg	< 0.0038 U	< 0.0040 U		
Endrin	72-20-8	mg/kg	< 0.0038 U	< 0.0040 U		
Endrin aldehyde	7421-93-4	mg/kg	< 0.0038 U	< 0.0040 U		
Endrin ketone	53494-70-5	mg/kg	< 0.0038 U	< 0.0040 U		
gamma-BHC/HCH (Lindane)	58-89-9	mg/kg	< 0.0020 U	< 0.0021 U		
gamma-Chlordane	5566-34-7	mg/kg	< 0.0020 U	< 0.0021 U		
Heptachlor	76-44-8	mg/kg	< 0.0020 U	< 0.0021 U		
Methoxychlor	72-43-5	mg/kg	< 0.02 U	< 0.021 U		

< 0.093 U	< 0.088 U	**0.41 J**	< 0.09 U	< 0.09 U		< 2.8 U,J,O
						32 J,O
20.7	**1.2 J**	**16.2**	**8.34**	< 2.34 U		**17**

						< 0.037 U
						< 0.037 U
						< 0.037 U
						< 0.037 U
						< 0.037 U J,O
						< 0.037 U
						< 0.037 U
						< 0.037 U
						< 0.037 U

						< 0.0037 U
						0.024
						0.0027 NJ,O
						< 0.0019 U
						< 0.0019 U
						< 0.0019 U
						< 0.0019 U
						< 0.19 U
						< 0.0019 U
						< 0.0019 U
						< 0.0037 U
						< 0.0019 U
						< 0.0037 U
						< 0.0037 U
						< 0.0037 U
						< 0.0037 U
						< 0.0037 U
						< 0.0019 U
						0.00050 NJ,O
						< 0.0019 U
						< 0.019 U

< 2.9 U,J,O	< 2.7 U	< 2.8 U,J,O	< 2.9 U	< 3.1 U	< 2.8 U	< 2.9 U	< 2.9 U,J,O	< 2.9 U,J,O
46 J,O	**23 J,O**	**44 J,O**	**57 J,O**	**140 J,O**	**41 J,O**	**77 J,O**	**77 J,O**	**67 J,O**
4.2 J,O	**16**	**4.7 J,O**	**16**	**2.7 J,O**	**8.0**	**3.5 J,O**	**3.6 J,O**	**1.6 J,O**
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.04 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.04 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.04 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.04 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U
< 0.038 U,J,O	< 0.037 U,J,O	< 0.037 U,J,O	< 0.038 U,J,O	< 0.04 U,J,O	< 0.038 U,J,O	< 0.038 U,J,O	< 0.038 U,J,O	< 0.038 U,J,O
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.04 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.04 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.04 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.04 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U
< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0040 U	< 0.0038 U	< 0.0038 U	< 0.0038 U	< 0.0038 U
< 0.0038 U	**0.041**	< 0.0037 U	**0.058**	< 0.0040 U	**0.049**	< 0.0038 U	< 0.0038 U	< 0.0038 U
< 0.0038 U	**0.0084**	< 0.0037 U	**0.0035 J,O**	< 0.0040 U	**0.0056**	< 0.0038 U	< 0.0038 U	< 0.0038 U
< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U
< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U
< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U
< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	**0.00079 J,O**	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U
< 0.2 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
< 0.0020 U	< 0.0019 U	< 0.0019 U	**0.00081 NJ,O**	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U
< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U
< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0040 U	< 0.0038 U	< 0.0038 U	< 0.0038 U	< 0.0038 U
< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U
< 0.0038 U	**0.0013 J,O**	< 0.0037 U	< 0.0038 U	< 0.0040 U	< 0.0038 U	< 0.0038 U	< 0.0038 U	< 0.0038 U
< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0040 U	< 0.0038 U	< 0.0038 U	< 0.0038 U	< 0.0038 U
< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0040 U	< 0.0038 U	< 0.0038 U	< 0.0038 U	< 0.0038 U
< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0040 U	< 0.0038 U	< 0.0038 U	< 0.0038 U	< 0.0038 U
< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0040 U	< 0.0038 U	< 0.0038 U	< 0.0038 U	< 0.0038 U
< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U
< 0.0020 U	< 0.0019 U	< 0.0019 U	**0.00058 NJ,O**	**0.00060 J,O**	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U
< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U
< 0.02 U	< 0.019 U	< 0.019 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	**0.0081 J,O**

< 2.7 U,J,O	< 2.8 U	< 2.8 U,J,O	< 2.9 U	< 2.9 U,J,O	< 2.9 U	< 2.9 U,J,O	< 2.8 U	< 3.0 U,J,O
16 J,O	**32 J,O**	**31 J,O**	**34 J,O**	**36 J,O**	**25 J,O**	**63 J,O**	**16 J,O**	**86 J,O**
23	**18**	**3.8 J,O**	**18**	**6.1 J,O**	**43**	**3.2 J,O**	**6.7**	**2.9 J,O**
< 0.035 U	< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.037 U	< 0.037 U	< 0.038 U
< 0.035 U	< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.037 U	< 0.037 U	< 0.038 U
< 0.035 U	< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.037 U	< 0.037 U	< 0.038 U
< 0.035 U	< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.037 U	< 0.037 U	< 0.038 U
< 0.035 U,J,O	< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.037 U	< 0.037 U	< 0.038 U
< 0.035 U	< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.037 U	< 0.037 U	< 0.038 U
< 0.035 U	< 0.038 U	< 0.037 U	**0.0047 J,O**	< 0.038 U	< 0.036 U	< 0.037 U	< 0.037 U	< 0.038 U
< 0.035 U	< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.037 U	< 0.037 U	< 0.038 U
< 0.035 U	< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.037 U	< 0.037 U	< 0.038 U
< 0.0035 U	< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0037 U	< 0.0037 U	< 0.0038 U
0.024	**0.019**	< 0.0037 U	**0.0022 NJ,O**	< 0.0038 U	**0.035**	< 0.0037 U	**0.0090**	< 0.0038 U
0.0060	< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	**0.0063 J,O**	< 0.0037 U	**0.0015 NJ,O**	< 0.0038 U
< 0.0018 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0020 U
< 0.0018 U	< 0.0019 U,J,O	< 0.0019 U,J,O	< 0.0019 U,J,O	< 0.0020 U,J,O	< 0.0019 U,J,O	< 0.0019 U,J,O	< 0.0019 U,J,O	< 0.0020 U,J,O
< 0.0018 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0020 U
< 0.0018 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0020 U
< 0.18 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.2 U
< 0.0018 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0020 U
< 0.0018 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0020 U
0.0011 J,O	< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0037 U	< 0.0037 U	< 0.0038 U
< 0.0018 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0020 U
< 0.0035 U	< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0037 U	< 0.0037 U	< 0.0038 U
< 0.0035 U	< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0037 U	< 0.0037 U	< 0.0038 U
< 0.0035 U	< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0037 U	< 0.0037 U	< 0.0038 U
< 0.0035 U	< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0037 U	< 0.0037 U	< 0.0038 U
0.00089 J,O	< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0037 U	< 0.0037 U	< 0.0038 U
< 0.0018 U	< 0.0019 U	< 0.0019 U,J,O	< 0.0019 U	< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0020 U
0.00064 NJ,O	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0020 U
< 0.0018 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0020 U
< 0.018 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.02 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.02 U

< 2.8 U,J,O	< 2.9 U,J,O	< 2.7 U,J,O	< 2.7 U,J,O	< 2.9 U,J,O	< 3.0 U,J,O	< 2.8 U,J,O	< 2.8 U,J,O	< 2.7 U,J,O
17 J,O	**26 J,O**	**18 J,O**	**11 J,O**	**44 J,O**	**89 J,O**	**31 J,O**	**23 J,O**	**13 J,O**
7.2	< 6.8 U,J,O	**23**	< 6.4 U,J,O	< 6.9 U,J,O	< 7.2 U,J,O	**8.1**	**8.8**	**10**

< 0.036 U	< 0.038 U	< 0.18 U	< 0.036 U	< 0.039 U	< 0.041 U	< 0.037 U,O	< 0.036 U	< 0.036 U
< 0.036 U	< 0.038 U	< 0.18 U	< 0.036 U	< 0.039 U	< 0.041 U	< 0.037 U,O	< 0.036 U	< 0.036 U
< 0.036 U	< 0.038 U	< 0.18 U	< 0.036 U	< 0.039 U	< 0.041 U	< 0.037 U,O	< 0.036 U	< 0.036 U
< 0.036 U	< 0.038 U	< 0.18 U	< 0.036 U	< 0.039 U	< 0.041 U	< 0.037 U,O	< 0.036 U	< 0.036 U
< 0.036 U	< 0.038 U	< 0.18 U,J,O	< 0.036 U,J,O	< 0.039 U,J,O	< 0.041 U,J,O	< 0.037 U,J,O	< 0.036 U,J,O	< 0.036 U,J,O
< 0.036 U	< 0.038 U	< 0.18 U	< 0.036 U	< 0.039 U	< 0.041 U	< 0.037 U,O	< 0.036 U	< 0.036 U
< 0.036 U	< 0.038 U	**11 O**	**0.066**	< 0.039 U	< 0.041 U	< 0.037 U,O	< 0.036 U	< 0.036 U
< 0.036 U	< 0.038 U	< 0.18 U	< 0.036 U	< 0.039 U	< 0.041 U	< 0.037 U,O	< 0.036 U	< 0.036 U
< 0.036 U	< 0.038 U	< 0.18 U	< 0.036 U	< 0.039 U	< 0.041 U	< 0.037 U,O	< 0.036 U	< 0.036 U

< 0.0036 U	< 0.0038 U	< 0.0073 U,O	< 0.0036 U	< 0.0039 U	< 0.0041 U	< 0.0037 U	< 0.0036 U	< 0.0036 U
0.013	< 0.0038 U	**0.15**	< 0.0036 U	**0.0014 J,O**	< 0.0041 U	< 0.0037 U	< 0.0036 U	**0.0017 J,O**
0.011 J,O	< 0.0038 U	< 0.0073 U,O	**0.01 N,O**	< 0.0039 U	< 0.0041 U	< 0.0037 U	< 0.0036 U	**0.0061**
< 0.0019 U	< 0.0019 U	< 0.0037 U	< 0.0018 U	< 0.0020 U	< 0.0021 U	< 0.0019 U	< 0.0019 U	< 0.0018 U
< 0.0019 U,J,O	< 0.0019 U,J,O	< 0.0037 U	< 0.0018 U	< 0.0020 U	< 0.0021 U	< 0.0019 U	< 0.0019 U	< 0.0018 U
< 0.0019 U	< 0.0019 U	< 0.0037 U	< 0.0018 U	< 0.0020 U	< 0.0021 U	< 0.0019 U	< 0.0019 U	< 0.0018 U
< 0.0019 U	< 0.0019 U	< 0.0037 U	< 0.0018 U	< 0.0020 U	< 0.0021 U	< 0.0019 U	< 0.0019 U	< 0.0018 U
< 0.19 U	< 0.19 U	< 0.37 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U
< 0.0019 U	< 0.0019 U	< 0.0037 U,O	< 0.0018 U	< 0.0020 U	< 0.0021 U	< 0.0019 U	< 0.0019 U	< 0.0018 U
< 0.0019 U	< 0.0019 U	< 0.0037 U	< 0.0018 U	< 0.0020 U	< 0.0021 U	< 0.0019 U	< 0.0019 U	< 0.0018 U
< 0.0036 U	< 0.0038 U	< 0.0073 U,O	< 0.0036 U	< 0.0039 U	< 0.0041 U	< 0.0037 U	< 0.0036 U	< 0.0036 U
< 0.0019 U	< 0.0019 U	< 0.0037 U	< 0.0018 U	< 0.0020 U	< 0.0021 U	< 0.0019 U	< 0.0019 U	< 0.0018 U
< 0.0036 U	< 0.0038 U	< 0.0073 U	< 0.0036 U	< 0.0039 U	< 0.0041 U	< 0.0037 U	< 0.0036 U	< 0.0036 U
< 0.0036 U	< 0.0038 U	< 0.0073 U	< 0.0036 U	< 0.0039 U	< 0.0041 U	< 0.0037 U	< 0.0036 U	< 0.0036 U
< 0.0036 U	< 0.0038 U	**0.08**	**0.0014 NJ,O**	< 0.0039 U	< 0.0041 U	< 0.0037 U	< 0.0036 U	< 0.0036 U
< 0.0036 U	< 0.0038 U	< 0.0073 U,O	< 0.0036 U	< 0.0039 U	< 0.0041 U	< 0.0037 U	< 0.0036 U	< 0.0036 U
< 0.0036 U	< 0.0038 U	< 0.0073 U,O	< 0.0036 U	< 0.0039 U	< 0.0041 U	< 0.0037 U	< 0.0036 U	< 0.0036 U
< 0.0019 U	< 0.0019 U	< 0.0037 U	< 0.0018 U	< 0.0020 U	< 0.0021 U	< 0.0019 U	< 0.0019 U	< 0.0018 U
< 0.0019 U	< 0.0019 U	< 0.0037 U	< 0.0018 U	< 0.0020 U	< 0.0021 U	< 0.0019 U	< 0.0019 U	**0.00049 J,O**
< 0.0019 U	< 0.0019 U	< 0.0037 U	< 0.0018 U	< 0.0020 U	< 0.0021 U	< 0.0019 U	< 0.0019 U	< 0.0018 U
< 0.019 U	< 0.019 U	**0.046**	< 0.018 U	< 0.02 U	< 0.021 U	< 0.019 U	< 0.019 U	< 0.018 U

< 2.8 U,J,O	< 2.7 U,J,O	< 2.8 U,J,O	< 2.7 U,J,O	< 2.6 U,J,O	< 2.7 U,J,O	< 2.8 U,J,O	< 2.6 U,J,O	< 2.7 U,J,O
26 J,O	**9.7 J,O**	**29 J,O**	**17 J,O**	< 5.3 U,J,O	**14 J,O**	**16 J,O**	**18 J,O**	**8.8 J,O**
< 6.8 U,J,O	**14**	< 6.8 U,J,O	< 6.6 U	< 6.3 U,J,O	**6.9**	< 6.7 U,J,O	**44**	< 6.4 U,J,O
< 0.038 U	< 0.036 U	< 0.038 U	< 0.035 U	< 0.034 U	< 0.036 U	< 0.036 U	< 0.033 U	< 0.035 U
< 0.038 U	< 0.036 U	< 0.038 U	< 0.035 U	< 0.034 U	< 0.036 U	< 0.036 U	< 0.033 U	< 0.035 U
< 0.038 U	< 0.036 U	< 0.038 U	< 0.035 U	< 0.034 U	< 0.036 U	< 0.036 U	< 0.033 U	< 0.035 U
< 0.038 U	< 0.036 U	< 0.038 U	< 0.035 U	< 0.034 U	< 0.036 U	< 0.036 U	< 0.033 U	< 0.035 U
< 0.038 U,J,O	< 0.036 U,J,O	< 0.038 U,J,O	< 0.035 U	< 0.034 U	< 0.036 U	< 0.036 U	< 0.033 U	< 0.035 U
< 0.038 U	< 0.036 U	< 0.038 U	< 0.035 U	< 0.034 U	< 0.036 U	< 0.036 U	< 0.033 U	< 0.035 U
< 0.038 U	< 0.036 U	< 0.038 U	< 0.035 U	< 0.034 U	< 0.036 U	< 0.036 U	< 0.033 U	< 0.035 U
< 0.038 U	< 0.036 U	< 0.038 U	< 0.035 U	< 0.034 U	< 0.036 U	< 0.036 U	< 0.033 U	< 0.035 U
< 0.038 U	< 0.036 U	< 0.038 U	< 0.035 U	< 0.034 U	< 0.036 U	< 0.036 U	< 0.033 U	< 0.035 U
< 0.0038 U	< 0.0036 U	< 0.0038 U	< 0.0035 U	< 0.0034 U	< 0.0036 U	< 0.0036 U	< 0.0033 U	< 0.0035 U
< 0.0038 U	**0.0012 J,O**	< 0.0038 U	< 0.0035 U	< 0.0034 U	< 0.0036 U	< 0.0036 U	< 0.0033 U	< 0.0035 U
< 0.0038 U	**0.0015 J,O**	< 0.0038 U	< 0.0035 U	< 0.0034 U	< 0.0036 U	< 0.0036 U	< 0.0033 U	< 0.0035 U
< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0017 U	< 0.0018 U
< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0018 U,J,O	< 0.0018 U,J,O	< 0.0018 U,J,O	< 0.0019 U,J,O	< 0.0017 U,J,O	< 0.0018 U,J,O
< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0017 U	< 0.0018 U
< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0017 U	< 0.0018 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.17 U	< 0.18 U
< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0017 U	< 0.0018 U
< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0017 U	< 0.0018 U
< 0.0038 U	**0.0012 NJ,O**	< 0.0038 U	< 0.0035 U	< 0.0034 U	< 0.0036 U	< 0.0036 U	< 0.0033 U	< 0.0035 U
< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0017 U	< 0.0018 U
< 0.0038 U	< 0.0036 U	< 0.0038 U	< 0.0035 U	< 0.0034 U	< 0.0036 U	< 0.0036 U	< 0.0033 U	< 0.0035 U
< 0.0038 U	< 0.0036 U	< 0.0038 U	< 0.0035 U	< 0.0034 U	< 0.0036 U	< 0.0036 U	< 0.0033 U	< 0.0035 U
< 0.0038 U	< 0.0036 U	< 0.0038 U	< 0.0035 U	< 0.0034 U	< 0.0036 U	< 0.0036 U	< 0.0033 U	< 0.0035 U
< 0.0038 U	< 0.0036 U	< 0.0038 U	< 0.0035 U	< 0.0034 U	< 0.0036 U	< 0.0036 U	< 0.0033 U	< 0.0035 U
< 0.0038 U	< 0.0036 U	< 0.0038 U	< 0.0035 U	< 0.0034 U	< 0.0036 U	< 0.0036 U	< 0.0033 U	< 0.0035 U
< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0017 U	< 0.0018 U
< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0017 U	< 0.0018 U
< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0017 U	< 0.0018 U
< 0.019 U	< 0.018 U	< 0.02 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.019 U	< 0.017 U	< 0.018 U

< 2.7 U,J,O	< 2.9 U,J,O	< 2.7 U	< 2.7 U,J,O	< 2.7 U,J,O	< 2.8 U,J,O	< 2.7 U,J,O	< 3.0 U,J,O	< 2.9 U,J,O
16 J,O	**18 J,O**	**7.7 J,O**	**12 J,O**	**15 J,O**	**12 J,O**	**7.2 J,O**	**53 J,O**	**17 J,O**
20	< 6.9 U,J,O	**7.4**	< 6.4 U,J,O	< 6.5 U,J,O	**16**	< 6.5 U,J,O	< 7.2 U,J,O	**7.6**

< 0.035 U	< 0.037 U	< 0.035 U	< 0.036 U	< 0.036 U	< 0.037 U	< 0.035 U	< 0.039 U	< 0.037 U
< 0.035 U	< 0.037 U	< 0.035 U	< 0.036 U	< 0.036 U	< 0.037 U	< 0.035 U	< 0.039 U	< 0.037 U
< 0.035 U	< 0.037 U	< 0.035 U	< 0.036 U	< 0.036 U	< 0.037 U	< 0.035 U	< 0.039 U	< 0.037 U
< 0.035 U	< 0.037 U	< 0.035 U	< 0.036 U	< 0.036 U	< 0.037 U	< 0.035 U	< 0.039 U	< 0.037 U
< 0.035 U	< 0.037 U	< 0.035 U	< 0.036 U	< 0.036 U	< 0.037 U	< 0.035 U	< 0.039 U	< 0.037 U
< 0.035 U	< 0.037 U	< 0.035 U	< 0.036 U	< 0.036 U	< 0.037 U	< 0.035 U	< 0.039 U	< 0.037 U
< 0.035 U	< 0.037 U	< 0.035 U	< 0.036 U	< 0.036 U	< 0.037 U	< 0.035 U	< 0.039 U	< 0.037 U
< 0.035 U	< 0.037 U	< 0.035 U	< 0.036 U	< 0.036 U	< 0.037 U	< 0.035 U	< 0.039 U	< 0.037 U
< 0.035 U	< 0.037 U	< 0.035 U	< 0.036 U	< 0.036 U	< 0.037 U	< 0.035 U	< 0.039 U	< 0.037 U

< 0.0035 U	< 0.0037 U	< 0.0035 U	< 0.0036 U	< 0.0036 U	< 0.0037 U	< 0.0035 U	< 0.0039 U	< 0.0037 U
< 0.0035 U	< 0.0037 U	< 0.0035 U	< 0.0036 U	< 0.0036 U	< 0.019 U,O	< 0.0035 U	< 0.0039 U	< 0.0037 U
< 0.0035 U	< 0.0037 U	< 0.0035 U	< 0.0036 U	< 0.0036 U	**0.074 NJ,O**	< 0.0035 U	< 0.0039 U	< 0.0037 U
< 0.0018 U	< 0.0019 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0019 U
< 0.0018 U,J,O	< 0.0019 U,J,O	< 0.0018 U	< 0.0018 U,J,O	< 0.0018 U,J,O	< 0.0019 U	< 0.0018 U	< 0.0020 U,J,O	< 0.0019 U,J,O
< 0.0018 U	< 0.0019 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0019 U
< 0.0018 U	< 0.0019 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0019 U
< 0.18 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.0018 U	< 0.0019 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0019 U
< 0.0018 U	< 0.0019 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0019 U
< 0.0035 U	< 0.0037 U	< 0.0035 U	< 0.0036 U	< 0.0036 U	< 0.0037 U	< 0.0035 U	< 0.0039 U	< 0.0037 U
< 0.0018 U	< 0.0019 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0019 U
< 0.0035 U	< 0.0037 U	< 0.0035 U	< 0.0036 U	< 0.0036 U	< 0.0037 U	< 0.0035 U	< 0.0039 U	< 0.0037 U
< 0.0035 U	< 0.0037 U	< 0.0035 U	< 0.0036 U	< 0.0036 U	< 0.0037 U	< 0.0035 U	< 0.0039 U	< 0.0037 U
< 0.0035 U	< 0.0037 U	< 0.0035 U	< 0.0036 U	< 0.0036 U	< 0.0037 U	< 0.0035 U	< 0.0039 U	< 0.0037 U
< 0.0035 U	< 0.0037 U	< 0.0035 U	< 0.0036 U	< 0.0036 U	< 0.0037 U	< 0.0035 U	< 0.0039 U	< 0.0037 U
< 0.0035 U	< 0.0037 U	< 0.0035 U	< 0.0036 U	< 0.0036 U	< 0.0037 U	< 0.0035 U	< 0.0039 U	< 0.0037 U
< 0.0018 U	< 0.0019 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0019 U
< 0.0018 U	< 0.0019 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0019 U
< 0.0018 U	< 0.0019 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0019 U
< 0.018 U	< 0.019 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.019 U	< 0.018 U	< 0.02 U	< 0.019 U

< 2.9 U,J,O	< 2.7 U,J,O	< 2.7 U,J,O	< 2.8 U,J,O	< 2.7 U,J,O	< 2.7 U	< 2.7 U,J,O	< 2.8 U	< 2.8 U,J,O
44 J,O	**21 J,O**	**11 J,O**	**7.1 J,O**	**12 J,O**	**10 J,O**	**8.3 J,O**	**11 J,O**	**23 J,O**
< 7.1 U,J,O	< 6.5 U,J,O	**12**	< 6.7 U,J,O	< 6.5 U,J,O	**18**	< 6.4 U,J,O	**40**	< 6.7 U,J,O
< 0.039 U	< 0.036 U	< 0.036 U	< 0.035 U	< 0.037 U	< 0.036 U	< 0.035 U	< 0.038 U	< 0.037 U
< 0.039 U	< 0.036 U	< 0.036 U	< 0.035 U	< 0.037 U	< 0.036 U	< 0.035 U	< 0.038 U	< 0.037 U
< 0.039 U	< 0.036 U	< 0.036 U	< 0.035 U	< 0.037 U	< 0.036 U	< 0.035 U	< 0.038 U	< 0.037 U
< 0.039 U	< 0.036 U	< 0.036 U	< 0.035 U	< 0.037 U	< 0.036 U	< 0.035 U	< 0.038 U	< 0.037 U
< 0.039 U	< 0.036 U	< 0.036 U	< 0.035 U	< 0.037 U	< 0.036 U,J,O	< 0.035 U,J,O	< 0.038 U,J,O	< 0.037 U,J,O
< 0.039 U	< 0.036 U	< 0.036 U	< 0.035 U	< 0.037 U	< 0.036 U	< 0.035 U	< 0.038 U	< 0.037 U
< 0.039 U	< 0.036 U	< 0.036 U	< 0.035 U	< 0.037 U	< 0.036 U	< 0.035 U	< 0.038 U	< 0.037 U
< 0.039 U	< 0.036 U	< 0.036 U	< 0.035 U	< 0.037 U	< 0.036 U	< 0.035 U	< 0.038 U	< 0.037 U
< 0.039 U	< 0.036 U	< 0.036 U	< 0.035 U	< 0.037 U	< 0.036 U	< 0.035 U	< 0.038 U	< 0.037 U
< 0.0039 U	< 0.0036 U	**0.0030 NJ,O**	< 0.0035 U	< 0.0037 U	< 0.0036 U	< 0.0035 U	< 0.0038 U	< 0.0037 U
< 0.0039 U	< 0.0036 U	**0.015**	< 0.0035 U	< 0.0037 U	**0.047**	< 0.0035 U	**0.097**	< 0.0037 U
< 0.0039 U	< 0.0036 U	**0.012 NJ,O**	< 0.0035 U	< 0.0037 U	**0.0097**	< 0.0035 U	**0.027**	< 0.0037 U
< 0.0020 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0019 U
< 0.0020 U,J,O	< 0.0018 U,J,O	< 0.0018 U	< 0.0018 U,J,O	< 0.0019 U	< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0019 U
< 0.0020 U	< 0.0018 U	**0.0023 N,O**	< 0.0018 U	< 0.0019 U	**0.00052 J,O**	< 0.0018 U	< 0.0020 U	< 0.0019 U
< 0.0020 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0019 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.0020 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	**0.00061 NJ,O**	< 0.0018 U	**0.00084 NJ,O**	< 0.0019 U
< 0.0020 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0019 U
< 0.0039 U	< 0.0036 U	< 0.0036 U	< 0.0035 U	< 0.0037 U	**0.0011 J,O**	< 0.0035 U	**0.0022 NJ,O**	< 0.0037 U
< 0.0020 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0019 U
< 0.0039 U	< 0.0036 U	< 0.0036 U	< 0.0035 U	< 0.0037 U	< 0.0036 U	< 0.0035 U	< 0.0038 U	< 0.0037 U
< 0.0039 U	< 0.0036 U	< 0.0036 U	< 0.0035 U	< 0.0037 U	< 0.0036 U	< 0.0035 U	< 0.0038 U	< 0.0037 U
< 0.0039 U	< 0.0036 U	< 0.0036 U	< 0.0035 U	< 0.0037 U	**0.00086 J,O**	< 0.0035 U	**0.00089 NJ,O**	< 0.0037 U
< 0.0039 U	< 0.0036 U	< 0.0036 U	< 0.0035 U	< 0.0037 U	< 0.0036 U	< 0.0035 U	< 0.0038 U	< 0.0037 U
< 0.0039 U	< 0.0036 U	< 0.0036 U	< 0.0035 U	< 0.0037 U	< 0.0036 U	< 0.0035 U	< 0.0038 U	< 0.0037 U
< 0.0020 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0019 U
< 0.0020 U	< 0.0018 U	**0.0020 N,O**	< 0.0018 U	< 0.0019 U	< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0019 U
< 0.0020 U	< 0.0018 U	< 0.0018 U	< 0.0018 U	< 0.0019 U	< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.0019 U
< 0.02 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.019 U	< 0.019 U	< 0.018 U	< 0.02 U	< 0.019 U

< 2.7 U	< 2.9 U,J,O	< 2.8 U,J,O	< 2.7 U,J,O	< 2.8 U,J,O	< 2.8 U	< 2.9 U,J,O	< 2.6 U,J,O	< 3.2 U
15 J,O	**42 J,O**	**17 J,O**	**21 J,O**	**47 J,O**	**14 J,O**	**68 J,O**	**17 J,O**	**20 J,O**
9.4	< 6.9 U,J,O	**47**	< 6.4 U,J,O	**14**	< 6.8 U,J,O	< 7.0 U,J,O	**14**	**160**
< 0.036 U	< 0.038 U	< 0.034 U	< 0.038 U	< 0.046 U	< 0.038 U	< 0.041 U	< 0.035 U	< 0.43 U
< 0.036 U	< 0.038 U	< 0.034 U	< 0.038 U	< 0.046 U	< 0.038 U	< 0.041 U	< 0.035 U	< 0.43 U
< 0.036 U	< 0.038 U	< 0.034 U	< 0.038 U	< 0.046 U	< 0.038 U	< 0.041 U	< 0.035 U	< 0.43 U
< 0.036 U	< 0.038 U	< 0.034 U	< 0.038 U	< 0.046 U	< 0.038 U	< 0.041 U	< 0.035 U	< 0.43 U
< 0.036 U,J,O	< 0.038 U,J,O	< 0.034 U,J,O	< 0.038 U,J,O	< 0.046 U,J,O	< 0.038 U,J,O	< 0.041 U,J,O	**0.11 J,O**	< 0.43 U,J,O
< 0.036 U	< 0.038 U	< 0.034 U	< 0.038 U	< 0.046 U	< 0.038 U	< 0.041 U	**0.24**	< 0.43 U
0.065	< 0.038 U	< 0.034 U	< 0.038 U	< 0.046 U	< 0.038 U	< 0.041 U	**0.082**	**0.21 J,O**
< 0.036 U	< 0.038 U	< 0.034 U	< 0.038 U	< 0.046 U	< 0.038 U	< 0.041 U	< 0.035 U	< 0.43 U
< 0.036 U	< 0.038 U	< 0.034 U	< 0.038 U	< 0.046 U	< 0.038 U	< 0.041 U	< 0.035 U	< 0.43 U
< 0.0036 U	< 0.0038 U	< 0.0034 U,O	< 0.0038 U	< 0.0046 U	< 0.0038 U	< 0.0041 U	< 0.0035 U	**0.025 J,O**
0.043	< 0.0038 U	**0.2 NJ,O**	< 0.0038 U	**0.032**	**0.0015 J,O**	< 0.0041 U	**0.1**	**0.093**
0.021 N,O	< 0.0038 U	**0.066**	< 0.0038 U	**0.0077**	< 0.0038 U	< 0.0041 U	**0.045**	< 0.043 U
< 0.0018 U	< 0.0020 U	< 0.0018 U	< 0.0019 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0018 U	< 0.022 U
< 0.0018 U	< 0.0020 U	< 0.0018 U	< 0.0019 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0018 U	< 0.022 U
< 0.0018 U	< 0.0020 U	**0.0018 N,O**	< 0.0019 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0018 U	< 0.022 U
< 0.0018 U	< 0.0020 U	< 0.0018 U	< 0.0019 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0018 U	< 0.022 U
< 0.18 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 2.2 U
0.00079 J,O	< 0.0020 U	< 0.0018 U	< 0.0019 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0018 U,O	< 0.022 U
< 0.0018 U	< 0.0020 U	< 0.0018 U	< 0.0019 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0018 U	< 0.022 U
< 0.0036 U	< 0.0038 U	**0.0033 J,O**	< 0.0038 U	< 0.0046 U	< 0.0038 U	< 0.0041 U	**0.011**	**0.04 NJ,O**
< 0.0018 U	< 0.0020 U	< 0.0018 U	< 0.0019 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0018 U	< 0.022 U
< 0.0036 U	< 0.0038 U	< 0.0034 U	< 0.0038 U	< 0.0046 U	< 0.0038 U	< 0.0041 U	< 0.0035 U	< 0.043 U
< 0.0036 U	< 0.0038 U	< 0.0034 U	< 0.0038 U	< 0.0046 U	< 0.0038 U	< 0.0041 U	< 0.0035 U	< 0.043 U
< 0.0036 U	< 0.0038 U	< 0.0034 U	< 0.0038 U	< 0.0046 U	< 0.0038 U	< 0.0041 U	**0.0042**	< 0.043 U
< 0.0036 U,O	< 0.0038 U	**0.0036**	< 0.0038 U	< 0.0046 U	< 0.0038 U	< 0.0041 U	< 0.0035 U	< 0.043 U
< 0.0036 U	< 0.0038 U	**0.0054 N,O**	< 0.0038 U	< 0.0046 U	< 0.0038 U	< 0.0041 U	< 0.0035 U	< 0.043 U
< 0.0018 U	< 0.0020 U	< 0.0018 U	< 0.0019 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0018 U	< 0.022 U
< 0.0018 U	< 0.0020 U	< 0.0018 U	< 0.0019 U	**0.00065 NJ,O**	< 0.0019 U	< 0.0021 U	< 0.0018 U	< 0.022 U
< 0.0018 U	< 0.0020 U	< 0.0018 U	< 0.0019 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0018 U	< 0.022 U
< 0.018 U	< 0.02 U	**0.011 J,O**	< 0.019 U	< 0.024 U	< 0.019 U	< 0.021 U	< 0.018 U	< 0.22 U

< 2.9 U,J,O	< 2.8 U	< 2.8 U,J,O	< 2.9 U,J,O	< 2.8 U	< 2.8 U,J,O	< 2.8 U,J,O	< 2.6 U,J,O	< 2.7 U,J,O
31 J,O	**12 J,O**	**25 J,O**	**41 J,O**	**15 J,O**	**17 J,O**	**15 J,O**	**13 J,O**	**9.9 J,O**
< 6.9 U,J,O	**83**	**24**	**69**	**100**	< 6.7 U,J,O	< 6.7 U,J,O	**19**	< 6.4 U,J,O

< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.037 U	< 0.035 U	< 0.036 U
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.037 U	< 0.035 U	< 0.036 U
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.037 U	< 0.035 U	< 0.036 U
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.037 U	< 0.035 U	< 0.036 U
< 0.038 U,J,O	< 0.037 U,J,O	< 0.037 U,J,O	< 0.038 U,J,O	< 0.038 U,J,O	< 0.038 U,J,O	< 0.037 U,J,O	< 0.035 U,J,O	< 0.036 U,J,O
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.037 U	< 0.035 U	< 0.036 U
< 0.038 U	< 0.037 U	**4.5 O**	< 0.038 U	< 0.038 U	< 0.038 U	< 0.037 U	< 0.035 U	< 0.036 U
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.037 U	< 0.035 U	< 0.036 U
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.037 U	< 0.035 U	< 0.036 U

< 0.0038 U	< 0.0037 U,O	< 0.0037 U	< 0.0038 U	**0.0012 J,O**	< 0.0038 U	< 0.0037 U	< 0.0035 U	< 0.0036 U
< 0.0038 U	**0.0080**	< 0.0037 U,O	**0.0065**	**0.0038 J,O**	< 0.0038 U	< 0.0037 U	**0.19**	**0.0016 J,O**
< 0.0038 U	< 0.0037 U,O	**0.18**	**0.0084 N,O**	**0.0081**	< 0.0038 U	< 0.0037 U	**0.019**	< 0.0036 U
< 0.0019 U	< 0.0019 U,O	< 0.0019 U	< 0.0020 U	< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0018 U	< 0.0019 U
< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0018 U	< 0.0019 U
< 0.0019 U	< 0.0019 U,O	< 0.0019 U	< 0.0020 U	**0.0034**	< 0.0019 U	< 0.0019 U	< 0.0018 U	< 0.0019 U
< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0018 U	< 0.0019 U
< 0.19 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U
< 0.0019 U	< 0.0019 U	< 0.0019 U,O	< 0.0020 U	**0.00068 J,O**	< 0.0019 U	< 0.0019 U	**0.0011 NJ,O**	< 0.0019 U
< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0018 U	< 0.0019 U
< 0.0038 U	< 0.0037 U	< 0.019 U	< 0.0038 U	**0.0010 NJ,O**	< 0.0038 U	< 0.0037 U	< 0.0035 U	< 0.0036 U
< 0.0019 U	**0.014 N,O**	< 0.0019 U	< 0.0020 U	< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0018 U	< 0.0019 U
< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0038 U	< 0.0038 U	< 0.0037 U	**0.00073 NJ,O**	< 0.0036 U
< 0.0038 U	< 0.0037 U,O	< 0.0037 U,O	< 0.0038 U	< 0.0038 U	< 0.0038 U	< 0.0037 U	< 0.0035 U	< 0.0036 U
< 0.0038 U	< 0.0037 U	**0.025**	< 0.0038 U	< 0.0038 U	< 0.0038 U	< 0.0037 U	< 0.0035 U	< 0.0036 U
< 0.0038 U	< 0.0037 U	< 0.0037 U,O	**0.0015 NJ,O**	< 0.0038 U	< 0.0038 U	< 0.0037 U	< 0.0035 U	< 0.0036 U
< 0.0038 U	< 0.0037 U	< 0.0037 U,O	< 0.0038 U	< 0.0038 U	< 0.0038 U	< 0.0037 U	< 0.0035 U	< 0.0036 U
< 0.0019 U	< 0.0019 U,O	< 0.0019 U	< 0.0020 U	< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0018 U	< 0.0019 U
< 0.0019 U	< 0.0096 U	< 0.0019 U,O	< 0.0020 U	**0.0033**	< 0.0019 U	< 0.0019 U	< 0.0018 U	< 0.0019 U
< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0018 U	< 0.0019 U
< 0.019 U	< 0.019 U	**0.035**	< 0.02 U	< 0.02 U	< 0.019 U	< 0.019 U	< 0.018 U	< 0.019 U

< 2.9 U,J,O	< 2.8 U,J,O	**0.37 J,O**	**0.49 J,O**	< 2.7 U,J,O	< 2.8 U,J,O	< 2.9 U,J,O	< 2.7 U	< 2.8 U,J,O
24 J,O	**21 J,O**	**56 J,O**	**30 J,O**	**28 J,O**	**26 J,O**	**43 J,O**	**18 J,O**	**25 J,O**
510	**120**	**110**	**10**	**14**	< 6.7 U,J,O	**15**	**2.8 J,O**	< 6.6 U,J,O
< 0.039 U	< 0.038 U	< 0.041 U	< 0.043 U	< 0.036 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.036 U
< 0.039 U	< 0.038 U	< 0.041 U	< 0.043 U	< 0.036 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.036 U
< 0.039 U	< 0.038 U	< 0.041 U	< 0.043 U	< 0.036 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.036 U
< 0.039 U	< 0.038 U	< 0.041 U	< 0.043 U	< 0.036 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.036 U
< 0.039 U,J,O	< 0.038 U,J,O	< 0.041 U,J,O	< 0.043 U,J,O	< 0.036 U,J,O	< 0.037 U,J,O	< 0.038 U,J,O	< 0.036 U,J,O	< 0.036 U
< 0.039 U	< 0.038 U	< 0.041 U	< 0.043 U	< 0.036 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.036 U
< 0.039 U	< 0.038 U	< 0.041 U	< 0.043 U	< 0.036 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.036 U
< 0.039 U	< 0.038 U	< 0.041 U	< 0.043 U	< 0.036 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.036 U
< 0.039 U	< 0.038 U	< 0.041 U	< 0.043 U	< 0.036 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.036 U
0.0027 NJ,O	< 0.0038 U	< 0.0041 U	< 0.0043 U	< 0.0036 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0036 U
0.038	< 0.0038 U	**0.037**	< 0.0043 U	**0.0013 NJ,O**	**0.0016 NJ,O**	**0.0022 NJ,O**	< 0.0036 U	< 0.0036 U
0.1	< 0.0038 U	**0.016**	< 0.0043 U	< 0.0036 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0036 U
< 0.0020 U	< 0.0020 U	< 0.0021 U	< 0.0022 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0018 U	< 0.0018 U
< 0.0020 U	< 0.0020 U	< 0.0021 U	< 0.0022 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0018 U	< 0.0018 U
< 0.0020 U	< 0.0020 U	**0.0059**	**0.0051**	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0018 U	< 0.0018 U
< 0.0020 U	< 0.0020 U	< 0.0021 U	< 0.0022 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0018 U	< 0.0018 U
< 0.2 U	< 0.2 U	< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	**0.15 J,O**	< 0.18 U	< 0.18 U
0.0016 J,O	< 0.0020 U	**0.0014 J,O**	< 0.0022 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0018 U	< 0.0018 U
< 0.0020 U	< 0.0020 U	< 0.0021 U	< 0.0022 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0018 U	< 0.0018 U
0.0013 NJ,O	< 0.0038 U	< 0.0041 U	< 0.0043 U	< 0.0036 U	< 0.0037 U	**0.0019 J,O**	< 0.0036 U	< 0.0036 U
< 0.0020 U	< 0.0020 U	< 0.0021 U	< 0.0022 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0018 U	< 0.0018 U
< 0.0039 U	< 0.0038 U	< 0.0041 U	< 0.0043 U	< 0.0036 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0036 U
< 0.0039 U	< 0.0038 U	< 0.0041 U	< 0.0043 U	< 0.0036 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0036 U
< 0.0039 U	< 0.0038 U	< 0.0041 U	< 0.0043 U	< 0.0036 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0036 U
< 0.0039 U	< 0.0038 U	< 0.0041 U	< 0.0043 U	< 0.0036 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0036 U
< 0.0039 U	< 0.0038 U	< 0.0041 U	**0.0012 NJ,O**	< 0.0036 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0036 U
< 0.0020 U	< 0.0020 U	< 0.0021 U	< 0.0022 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0018 U	< 0.0018 U
0.0032	< 0.0020 U	**0.0041 N,O**	< 0.0022 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0018 U	< 0.0018 U
< 0.0020 U	< 0.0020 U	< 0.0021 U	< 0.0022 U	< 0.0019 U	< 0.0019 U	< 0.0020 U	< 0.0018 U	< 0.0018 U
< 0.02 U	< 0.02 U	< 0.021 U	< 0.022 U	< 0.019 U	< 0.019 U	< 0.02 U	< 0.018 U	< 0.018 U

< 2.9 U,J,O	< 2.9 U,J,O	< 2.8 U,J,O	< 2.9 U,J,O	< 2.7 U	**0.31 J,O**	< 0.084 U	< 0.087 U
63 J,O	**64 J,O**	**34 J,O**	**67 J,O**	**10 J,O**	**14 J,O**		
< 6.9 U,J,O	< 6.9 U,J,O	**31 J,O**	< 7.0 U,J,O	**10**	< 6.6 U,J,O	< 3.27 U	< 2 UJ
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.037 U		
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.037 U		
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.037 U		
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.037 U		
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.036 U,J,O	< 0.037 U,J,O		
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.037 U		
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U,J,O	< 0.036 U	< 0.037 U		
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.037 U		
< 0.038 U	< 0.037 U	< 0.037 U	< 0.038 U	< 0.036 U	< 0.037 U		
< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0037 U		
< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	**0.0015 J,O**	< 0.0037 U		
< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0037 U		
< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U		
< 0.0020 U,J,O	< 0.0019 U,J,O	< 0.0019 U	< 0.0019 U,J,O	< 0.0019 U	< 0.0019 U		
< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U		
< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U		
< 0.2 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U		
< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U		
< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U		
< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0037 U		
< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U		
< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0037 U		
< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0037 U		
< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0037 U		
< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0037 U		
< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0037 U		
< 0.0038 U	< 0.0037 U	< 0.0037 U	< 0.0038 U	< 0.0036 U	< 0.0037 U		
< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U		
< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U		
< 0.0020 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U		
< 0.02 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U		

< 0.36 UJ	< 0.085 U	< 0.37 UJ	< 0.3 UJ	< 0.086 U	< 0.31 UJ
11.9	< 1.5 UJ	**21.7**	**10.8**	< 1 UJ	**11.1**

< 0.31 UJ	< 0.091 U	< 0.083 U	< 0.088 U	< 0.083 U	< 0.093 U
10	**8.47**	**1.1 J**	**5.69**	**1.6 J**	**11.2**

< 0.093 U	**0.46 J**	< 0.094 U	< 0.084 U	< 0.089 U	< 0.85 U	< 0.87 U
3.75	**44.5**	**15.7**	**7.19**	< 5.3 U	**12.5**	< 4.08 U

< 0.089 U	< 0.089 U	< 0.09 U	< 0.088 U	**0.32 J**	< 0.087 U
218	**8.74**	**13.4**	< 2.2 UJ	**18.2**	< 4.43 U

0.33 J	< 0.87 U	< 0.091 U	< 0.086 U	< 0.088 U	**0.52 J**
< 6.4 U	< 1.5 UJ	**42.6**	< 3.81 U	**16.3**	**23.5**

< 0.087 U	< 0.088 U	< 0.089 U	< 0.09 U	< 0.088 U	< 0.089 U
< 6.5 U	< 3.74 U	**23**	**28.2**	**18.9**	**1.1 J**
		< 0.0029 U	< 0.0029 U	< 0.0029 U	< 0.0029 U
		< 0.00062 U	**0.00413**	< 0.00062 U	< 0.00062 U
		0.0012	**0.0012**	< 0.0011 U	< 0.0012 U
		< 0.00048 U	**0.00048**	< 0.00048 U	< 0.00048 U

< 0.09 U	< 0.083 U	< 0.089 U	< 0.093 U	< 0.084 U	< 0.09 U
5.89	**5.1**	**7.32**	**7.73**	**3.41**	**12.8**

< 0.003 U	< 0.0027 U	< 0.0029 U	< 0.0031 U	< 0.0027 U	
0.0012 J	< 0.00057 U	< 0.00062 U	< 0.00065 U	< 0.00058 U	
< 0.0012 U	< 0.0011 U	< 0.0012 U	< 0.0012 U	< 0.0011 U	
< 0.00049 U	< 0.00045 U	< 0.00048 U	< 0.0005 U	< 0.00045 U	

< 0.084 U	< 0.087 U	< 0.084 U	< 0.087 U	< 0.086 U	**0.3 J**
< 3.14 U	< 8.33 U	< 1.8 UJ	**16.4**	< 5.71 U	**21.9**

< 0.086 U	< 0.089 U	< 0.084 U	< 0.086 U	< 0.088 U	< 0.089 U
< 0.77 UJ	**17.3**	< 2.94 U	**13.2**	< 1.5 UJ	**15.5**

< 0.083 U	< 0.085 U	< 0.086 U	< 0.084 U	< 0.85 U	< 0.088 U
< 1.8 UJ	**9.02**	< 2 UJ	**19.4**	**9.32**	**20**

< 0.085 U	< 0.089 U	< 0.088 U	< 0.089 U	< 0.088 U	< 0.088 U
< 1.1 UJ	**13.8**	< 2.48 U	**48.2**	< 8.42 U	< 9.42 U

< 0.089 U	< 0.087 U	< 0.89 U	< 0.083 U	< 0.086 U	< 0.087 U
< 1.2 UJ	< 8.91 U	**6.31**	**1.6 J**	**5.7**	**0.68 J**

< 0.09 U	< 0.87 U	< 0.088 U	< 0.088 U	< 0.086 U	< 0.093 U	< 0.091 U
10.9	**0.63 J**	**16.6**	**1 J**	**24.1**	**1.1 J**	**6.14**

< 0.09 U	< 0.091 U	< 0.09 U	< 0.092 U	< 0.084 U	< 0.082 U
2.1 J	**12**	**1.6 J**	**11.8**	**15.9**	**1.5 J**

< 0.09 U	< 0.081 U	< 0.09 U	< 0.089 U	< 0.082 U	< 0.09 U
13.2	**1.6 J**	**14.9**	**21.9**	**0.81 J**	**12.6**

< 0.092 U	< 0.34 UJ	< 0.088 U	**0.33 J**	< 0.091 U	< 0.088 U
2.3 J	**17.9**	**6.87**	**23.3**	**2.33**	< 10.8 U

< 0.085 U	< 0.093 U	**0.32 J**	< 0.089 U	< 0.089 U	< 0.095 U
< 1.6 UJ	**2.2 J**	**16.6**	**7.16**	**14.7**	**13.1**

< 0.088 U	< 0.089 U	< 0.086 U	**0.33 J**	< 0.086 U	**0.29 J**
< 1.2 UJ	**18.9**	**1.6 J**	**18.3**	< 1.3 UJ	**326**

< 0.085 U	< 0.087 U	< 0.087 U	< 0.088 U	< 0.088 U	< 0.089 U
5.44	**538**	**1.5 J**	< 4.65 U	< 4.66 U	**8.98**

< 0.086 U	**0.37 J**	< 0.086 U	< 0.09 U	< 0.089 U	< 0.091 U
0.9 J	**12.2**	< 2.27 U	**7.77**	**2.1 J**	**12**

					0.0031 J
					< 0.00063 U
					< 0.0012 U
					< 0.00049 U

< 0.084 U	< 0.089 U	< 0.083 U					
< 0.56 U	**12.6**	**1.7 J**					

< 0.0028 U							
< 0.00059 U							
< 0.0011 U							
< 0.00046 U							

< 0.034 U	< 0.054 U	< 0.039 U	< 0.042 U	< 0.042 U	< 0.047 U	< 0.039 U	< 0.052 U
< 0.034 U	< 0.054 U	< 0.039 U	< 0.042 U	< 0.042 U	< 0.047 U	< 0.039 U	< 0.052 U
< 0.034 U	< 0.054 U	< 0.039 U	< 0.042 U	< 0.042 U	< 0.047 U	< 0.039 U	< 0.052 U
< 0.034 U	< 0.054 U	< 0.039 U	< 0.042 U	< 0.042 U	< 0.047 U	< 0.039 U	< 0.052 U
< 0.034 U,J,O	< 0.054 U,J,O	< 0.039 U,J,O	< 0.042 U,J,O	< 0.042 U,J,O	< 0.047 U,J,O	< 0.039 U,J,O	< 0.052 U,J,O
< 0.034 U	**0.031 J,O**	**0.024 J,O**	< 0.042 U	**0.034 J,O**	**0.026 J,O**	< 0.039 U	< 0.052 U
< 0.034 U	< 0.054 U	< 0.039 U	< 0.042 U	< 0.042 U	< 0.047 U	< 0.039 U	< 0.052 U
< 0.034 U	< 0.054 U	< 0.039 U	< 0.042 U	< 0.042 U	< 0.047 U	< 0.039 U	< 0.052 U
< 0.034 U	< 0.054 U	< 0.039 U	< 0.042 U	< 0.042 U	< 0.047 U	< 0.039 U	< 0.052 U

< 0.046 U	< 0.039 U	< 0.036 U	< 0.036 U	< 0.058 U	< 0.055 U	< 0.059 U	< 0.058 U
< 0.046 U	< 0.039 U	< 0.036 U	< 0.036 U	< 0.058 U	< 0.055 U	< 0.059 U	< 0.058 U
< 0.046 U	< 0.039 U	< 0.036 U	< 0.036 U	< 0.058 U	< 0.055 U	< 0.059 U	< 0.058 U
< 0.046 U	< 0.039 U	< 0.036 U	< 0.036 U	< 0.058 U	< 0.055 U	< 0.059 U	< 0.058 U
< 0.046 U,J,O	< 0.039 U,J,O	< 0.036 U,J,O	< 0.036 U,J,O	< 0.058 U,J,O	< 0.055 U,J,O	< 0.059 U,J,O	< 0.058 U,J,O
0.023 J,O	**0.018 J,O**	< 0.036 U	< 0.036 U	< 0.058 U	**0.019 J,O**	< 0.059 U	**0.055 J,O**
< 0.046 U	< 0.039 U	< 0.036 U	< 0.036 U	< 0.058 U	< 0.055 U	< 0.059 U	< 0.058 U
< 0.046 U	< 0.039 U	< 0.036 U	< 0.036 U	< 0.058 U	< 0.055 U	< 0.059 U	< 0.058 U
< 0.046 U	< 0.039 U	< 0.036 U	< 0.036 U	< 0.058 U	< 0.055 U	< 0.059 U	< 0.058 U

							< 3.3 U
							16 J,O
							93 J,O
< 0.042 U	< 0.047 U	< 0.039 U	< 0.048 U	< 7.3 U	< 0.037 U	< 0.035 U	< 0.044 U
< 0.042 U	< 0.047 U	< 0.039 U	< 0.048 U	< 7.3 U	< 0.037 U	< 0.035 U	< 0.044 U
< 0.042 U	< 0.047 U	< 0.039 U	< 0.048 U	< 7.3 U	< 0.037 U	< 0.035 U	< 0.044 U
< 0.042 U	< 0.047 U	< 0.039 U	< 0.048 U	< 7.3 U	< 0.037 U	< 0.035 U	< 0.044 U
2.1 J,O	**0.04 J,O**	**0.076 J,O**	**0.22 J,O**	**200 J,O**	< 0.037 U,J,O	< 0.035 U,J,O	< 0.044 U
1.8	**0.1**	**0.2**	**0.3**	< 7.3 U	< 0.037 U	< 0.035 U	**0.34**
0.29	< 0.047 U	< 0.039 U	< 0.048 U	**10 O**	< 0.037 U	< 0.035 U	< 0.044 U
< 0.042 U	< 0.047 U	< 0.039 U	< 0.048 U	< 7.3 U	< 0.037 U	< 0.035 U	< 0.044 U
< 0.042 U	< 0.047 U	< 0.039 U	< 0.048 U	< 7.3 U	< 0.037 U	< 0.035 U	< 0.044 U
							< 0.0044 U
							< 0.0044 U
							< 0.0044 U
							< 0.0023 U
							< 0.0023 U
							< 0.0023 U
							< 0.0023 U
							< 0.23 U
							< 0.0023 U
							< 0.0023 U
							< 0.0044 U
							< 0.0023 U
							< 0.0044 U
							< 0.0044 U
							< 0.0044 U
							0.0039 NJ,O
							< 0.0044 U
							< 0.0023 U
							0.014 N,O
							< 0.0023 U
							< 0.023 U

< 3.0 U,J,O	< 3.3 U	< 3.2 U	< 3.8 U	< 4.2 U,J,O	< 4.3 U	< 4.0 U	< 2.9 U
19 J,O	**16 J,O**	**22 J,O**	**17 J,O**	**17 J,O**	**14 J,O**	**18 J,O**	**11 J,O**
83 J,O	**120 J,O**	**130 J,O**	**220 J,O**	**160 J,O**	**120**	**180**	**54**

< 0.04 U	< 0.043 U	< 0.042 U	< 0.051 U	< 0.055 U	< 0.056 U	< 0.053 U	< 0.04 U
< 0.04 U	< 0.043 U	< 0.042 U	< 0.051 U	< 0.055 U	< 0.056 U	< 0.053 U	< 0.04 U
< 0.04 U	< 0.043 U	< 0.042 U	< 0.051 U	< 0.055 U	< 0.056 U	< 0.053 U	< 0.04 U
< 0.04 U	< 0.043 U	< 0.042 U	< 0.051 U	< 0.055 U	< 0.056 U	< 0.053 U	< 0.04 U
< 0.04 U	< 0.043 U	< 0.042 U	< 0.051 U	< 0.055 U	< 0.056 U	< 0.053 U	< 0.04 U,J,O
0.47	**0.26**	**2**	**0.44**	**0.23**	**4**	**1.6**	< 0.04 U
< 0.04 U	< 0.043 U	< 0.042 U	< 0.051 U	< 0.055 U	< 0.056 U	< 0.053 U	< 0.04 U
< 0.04 U	< 0.043 U	< 0.042 U	< 0.051 U	< 0.055 U	< 0.056 U	< 0.053 U	< 0.04 U
< 0.04 U	< 0.043 U	< 0.042 U	< 0.051 U	< 0.055 U	< 0.056 U	< 0.053 U	< 0.04 U

< 0.0040 U	< 0.0043 U	< 0.0042 U	< 0.0051 U	< 0.0055 U	< 0.0056 U	< 0.0053 U	< 0.0040 U
< 0.0040 U	< 0.0043 U	< 0.0042 U	< 0.0051 U	< 0.0055 U	< 0.0056 U	< 0.0053 U	**0.0035 J,O**
< 0.0040 U	< 0.0043 U	< 0.0042 U	< 0.0051 U	< 0.0055 U	< 0.0056 U	< 0.0053 U	**0.0071**
< 0.0021 U	< 0.0022 U	< 0.0022 U	< 0.0026 U	< 0.0028 U,J,O	< 0.0029 U	< 0.0027 U	< 0.0020 U
< 0.0021 U	< 0.0022 U	< 0.0022 U	< 0.0026 U	< 0.0028 U	< 0.0029 U	< 0.0027 U	< 0.0020 U
< 0.0021 U	< 0.0022 U	< 0.0022 U	< 0.0026 U	< 0.0028 U	< 0.0029 U	**0.0081**	< 0.0020 U
< 0.0021 U	< 0.0022 U	< 0.0022 U	< 0.0026 U	< 0.0028 U	< 0.0029 U	< 0.0027 U	< 0.0020 U
< 0.21 U	< 0.22 U	< 0.22 U	< 0.26 U	< 0.28 U	< 0.29 U	< 0.27 U	< 0.2 U
< 0.0021 U	< 0.0022 U	< 0.0022 U	< 0.0026 U	< 0.0028 U	< 0.0029 U	< 0.0027 U	< 0.0020 U
< 0.0021 U	< 0.0022 U	< 0.0022 U	< 0.0026 U	< 0.0028 U	< 0.0029 U	< 0.0027 U	< 0.0020 U
< 0.0040 U	< 0.0043 U	< 0.0042 U	< 0.0051 U	< 0.0055 U,J,O	< 0.0056 U	< 0.0053 U	**0.0010 J,O**
< 0.0021 U	< 0.0022 U	< 0.0022 U	< 0.0026 U	< 0.0028 U	< 0.0029 U	< 0.0027 U,O	< 0.0020 U
< 0.0040 U	< 0.0043 U	< 0.0042 U	< 0.0051 U	< 0.0055 U	< 0.0056 U	< 0.0053 U	< 0.0040 U
< 0.0040 U	< 0.0043 U	**0.029 N,O**	< 0.0051 U	< 0.0055 U	**0.045**	**0.047**	< 0.0040 U
< 0.0040 U	< 0.0043 U	< 0.0042 U	< 0.0051 U	< 0.0055 U,J,O	< 0.0056 U	< 0.0053 U	< 0.0040 U
< 0.0040 U	**0.0067**	< 0.0042 U	< 0.0051 U	< 0.0055 U	< 0.0056 U	< 0.0053 U	< 0.0040 U
< 0.0040 U	< 0.0043 U	< 0.0042 U	< 0.0051 U	< 0.0055 U	< 0.0056 U	< 0.0053 U	< 0.0040 U
< 0.0021 U	< 0.0022 U	< 0.0022 U,O	< 0.0026 U	< 0.0028 U,J,O	< 0.0029 U	< 0.0027 U	< 0.0020 U
0.025	**0.012 N,O**	**0.1 N,O**	**0.024**	**0.011**	**0.15**	**0.075**	**0.00075 NJ,O**
< 0.0021 U	< 0.0022 U	< 0.0022 U	< 0.0026 U	< 0.0028 U	< 0.0029 U	< 0.0027 U	< 0.0020 U
< 0.021 U	< 0.022 U	< 0.022 U	< 0.026 U	< 0.028 U	< 0.029 U	< 0.027 U	< 0.02 U

< 2.8 U,J,O	< 3.5 U	< 2.8 U	< 2.9 U	< 3.2 U	< 3.1 U	**0.36 J,O**	< 8.5 U	< 13 U
8.5 J,O	**28 J,O**	**11 J,O**	**12 J,O**	< 6.4 U,J,O	**18 J,O**	**20 J,O**	**50 J,O**	**37 J,O**
32	**190**	**92**	**100**	< 7.7 U,J,O	**1300**	**3100**	**270**	**210**

< 0.036 U	< 0.044 U	< 0.037 U	< 0.038 U	< 0.037 U	< 0.042 U	< 0.041 U	< 0.11 U	< 0.14 U
< 0.036 U	< 0.044 U	< 0.037 U	< 0.038 U	< 0.037 U	< 0.042 U	< 0.041 U	< 0.11 U	< 0.14 U
< 0.036 U	< 0.044 U	< 0.037 U	< 0.038 U	< 0.037 U	< 0.042 U	< 0.041 U	< 0.11 U	< 0.14 U
< 0.036 U	< 0.044 U	< 0.037 U	< 0.038 U	< 0.037 U	< 0.042 U	< 0.041 U	< 0.11 U	< 0.14 U
< 0.036 U,J,O	**2 J,O**	**4.5 J,O**	**0.1 J,O**	< 0.037 U,O	**0.18 J,O**	**0.069 J,O**	**1.2**	**1.5**
< 0.036 U	**1.5**	< 0.037 U	**0.061**	< 0.037 U	**0.18**	**0.074**	< 0.11 U	< 0.14 U
0.018 J,O	**0.27**	**0.17**	**0.024 J,O**	< 0.037 U	**0.081**	**0.05**	< 0.11 U	< 0.14 U
< 0.036 U	< 0.044 U	< 0.037 U	< 0.038 U	< 0.037 U	< 0.042 U	< 0.041 U	< 0.11 U	< 0.14 U
< 0.036 U	< 0.044 U	< 0.037 U	< 0.038 U	< 0.037 U	< 0.042 U	< 0.041 U	< 0.11 U	< 0.14 U

< 0.0036 U	< 0.0044 U	< 0.0037 U	< 0.0038 U	< 0.0037 U	< 0.0042 U	**0.0034 J,O**	**0.0065 J,O**	**0.025 N,O**
0.0018 J,O	**0.062**	**0.092**	**0.0042 N,O**	< 0.0037 U	**0.0075 N,O**	**0.0014 NJ,O**	< 0.011 U	< 0.014 U
0.0058 N,O	< 0.0044 U,O	**0.052**	< 0.0038 U,O	< 0.0037 U	**0.018 N,O**	**0.0074**	< 0.011 U	< 0.014 U
< 0.0019 U	< 0.0023 U	< 0.0019 U	< 0.0020 U	< 0.0019 U	< 0.0022 U	< 0.0021 U	< 0.0055 U	< 0.0074 U
< 0.0019 U	< 0.0023 U	< 0.0019 U	< 0.0020 U	< 0.0019 U	< 0.0022 U	< 0.0021 U	< 0.0055 U	< 0.0074 U
0.0011 NJ,O	**0.0093 N,O**	**0.0067 N,O**	< 0.0020 U	< 0.0019 U	**0.0024 N,O**	**0.00096 NJ,O**	< 0.0055 U	< 0.0074 U
< 0.0019 U	**0.016 N,O**	< 0.0019 U,O	< 0.0020 U,O	< 0.0019 U	< 0.0022 U	< 0.0021 U	< 0.0055 U	< 0.0074 U
< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 0.55 U	< 0.74 U
< 0.0019 U	< 0.0023 U,O	< 0.0019 U,O	< 0.0020 U	< 0.0019 U	< 0.0022 U,O	< 0.0021 U	< 0.0055 U	< 0.0074 U
< 0.0019 U	< 0.0023 U	< 0.0019 U	< 0.0020 U	< 0.0019 U	< 0.0022 U	< 0.0021 U	< 0.0055 U	< 0.0074 U
< 0.0036 U	< 0.0044 U,O	< 0.0037 U,O	< 0.0038 U	< 0.0037 U	< 0.0042 U,O	**0.0031 NJ,O**	< 0.011 U	< 0.014 U
< 0.0019 U	< 0.0023 U	< 0.0019 U	< 0.0020 U	< 0.0019 U	< 0.0022 U	< 0.0021 U	< 0.0055 U,O	**0.014**
< 0.0036 U	< 0.0044 U,O	**0.0024 NJ,O**	< 0.0038 U	< 0.0037 U	< 0.0042 U	< 0.0041 U	< 0.011 U	**0.014 N,O**
< 0.0036 U	< 0.0044 U	< 0.0037 U	< 0.0038 U	< 0.0037 U	< 0.0042 U	< 0.0041 U	< 0.011 U	**0.034**
< 0.0036 U	< 0.0044 U	< 0.0037 U	**0.0010 J,O**	< 0.0037 U	< 0.0042 U	< 0.0041 U	< 0.011 U	< 0.014 U
< 0.0036 U	**0.013 N,O**	< 0.0037 U	< 0.0038 U	< 0.0037 U	< 0.0042 U	< 0.0041 U	< 0.011 U	< 0.014 U
< 0.0036 U	< 0.0044 U	< 0.0037 U	< 0.0038 U	< 0.0037 U	< 0.0042 U	< 0.0041 U	< 0.011 U	< 0.014 U
< 0.0019 U	< 0.0023 U	< 0.0019 U	< 0.0020 U	< 0.0019 U	< 0.0022 U	< 0.0021 U	**0.0037 NJ,O**	< 0.0074 U
< 0.0019 U	< 0.0023 U,O	**0.073 N,O**	**0.0024 N,O**	< 0.0019 U	**0.0056 N,O**	**0.0032**	**0.036 N,O**	**0.049 N,O**
< 0.0019 U	< 0.0023 U	< 0.0019 U	< 0.0020 U	< 0.0019 U	< 0.0022 U	< 0.0021 U	< 0.0055 U	< 0.0074 U
< 0.019 U	< 0.023 U	< 0.019 U	< 0.02 U	< 0.019 U	< 0.022 U	< 0.021 U	< 0.055 U	< 0.074 U

< 4.8 U,J,O	< 4.0 U,J,O	< 3.5 U	< 4.1 U	< 2.7 U	< 2.7 U,J,O	< 8.4 U	< 9.2 U	< 14 U
46 J,O	**56 J,O**	**18 J,O**	**11 J,O**	**15 J,O**	**14 J,O**	**41 J,O**	**29 J,O**	**32 J,O**
75	**49**	**130**	**48**	< 6.5 U,J,O	< 6.5 U,J,O	**210**	**140**	**260**

< 0.063 U	< 0.053 U	< 0.05 U	< 0.056 U	< 0.036 U	< 0.034 U	< 0.11 U	< 0.13 U	< 0.2 U
< 0.063 U	< 0.053 U	< 0.05 U	< 0.056 U	< 0.036 U	< 0.034 U	< 0.11 U	< 0.13 U	< 0.2 U
< 0.063 U	< 0.053 U	< 0.05 U	< 0.056 U	< 0.036 U	< 0.034 U	< 0.11 U	< 0.13 U	< 0.2 U
< 0.063 U	< 0.053 U	< 0.05 U	< 0.056 U	< 0.036 U	< 0.034 U	< 0.11 U	< 0.13 U	< 0.2 U
0.24	**0.11**	< 0.05 U,J,O	< 0.056 U,J,O	**0.011 J,O**	< 0.034 U,J,O	**0.47**	**7.4**	**0.091 J,O**
< 0.063 U	< 0.053 U	< 0.05 U	< 0.056 U	**0.0090 J,O**	< 0.034 U	< 0.11 U	< 0.13 U	< 0.2 U
< 0.063 U	< 0.053 U	< 0.05 U	< 0.056 U	< 0.036 U	< 0.034 U	< 0.11 U	< 0.13 U	< 0.2 U
< 0.063 U	< 0.053 U	< 0.05 U	< 0.056 U	< 0.036 U	< 0.034 U	< 0.11 U	< 0.13 U	< 0.2 U
< 0.063 U	< 0.053 U	< 0.05 U	< 0.056 U	< 0.036 U	< 0.034 U	< 0.11 U	< 0.13 U	< 0.2 U

< 0.0063 U	< 0.0053 U	< 0.0050 U	< 0.0056 U	< 0.0036 U	< 0.0034 U	< 0.011 U	**0.03 N,O**	< 0.02 U
< 0.0063 U	< 0.0053 U	**0.029**	**0.0040 J,O**	< 0.0036 U	< 0.0034 U	< 0.011 U	< 0.013 U	< 0.02 U
< 0.0063 U	< 0.0053 U	**0.055**	**0.012**	< 0.0036 U	< 0.0034 U	< 0.011 U	< 0.013 U	< 0.02 U
< 0.0033 U	< 0.0027 U	< 0.0026 U	< 0.0029 U	< 0.0019 U	< 0.0018 U	< 0.0056 U	< 0.0065 U	< 0.01 U
< 0.0033 U	< 0.0027 U	< 0.0026 U	< 0.0029 U	< 0.0019 U	< 0.0018 U	< 0.0056 U	< 0.0065 U	< 0.01 U
< 0.0033 U	< 0.0027 U	**0.0054**	< 0.0029 U	< 0.0019 U	< 0.0018 U	< 0.0056 U	< 0.0065 U	< 0.01 U
< 0.0033 U	< 0.0027 U	< 0.0026 U	**0.0011 NJ,O**	< 0.0019 U	< 0.0018 U	< 0.0056 U	< 0.0065 U	< 0.01 U
< 0.33 U	< 0.27 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 0.56 U	< 0.65 U	< 1 U
< 0.0033 U	< 0.0027 U	**0.0014 NJ,O**	**0.00092 NJ,O**	**0.00049 NJ,O**	< 0.0018 U	< 0.0056 U	< 0.0065 U	< 0.01 U
< 0.0033 U	< 0.0027 U	< 0.0026 U	< 0.0029 U	< 0.0019 U	< 0.0018 U	< 0.0056 U	< 0.0065 U	< 0.01 U
< 0.0063 U	< 0.0053 U	< 0.0050 U	< 0.0056 U	**0.0011 NJ,O**	< 0.0034 U	< 0.011 U	< 0.013 U	< 0.02 U
< 0.0033 U	< 0.0027 U	< 0.0026 U	< 0.0029 U	< 0.0019 U	< 0.0018 U	< 0.0056 U	< 0.0065 U,O	< 0.01 U
< 0.0063 U	< 0.0053 U	< 0.0050 U	< 0.0056 U	< 0.0036 U	< 0.0034 U	< 0.011 U	< 0.013 U	< 0.02 U
0.0024 NJ,O	< 0.0053 U	< 0.0050 U	< 0.0056 U	< 0.0036 U	< 0.0034 U	< 0.011 U	**0.038 N,O**	< 0.02 U
< 0.0063 U	< 0.0053 U	< 0.0050 U	< 0.0056 U	< 0.0036 U	< 0.0034 U	< 0.011 U	< 0.013 U	< 0.02 U
< 0.0063 U	< 0.0053 U	< 0.0050 U	< 0.0056 U	< 0.0036 U	< 0.0034 U	< 0.011 U	< 0.013 U	< 0.02 U
< 0.0063 U	< 0.0053 U	**0.0032 NJ,O**	< 0.0056 U	< 0.0036 U	< 0.0034 U	< 0.011 U	< 0.013 U	< 0.02 U
< 0.0033 U	< 0.0027 U	< 0.0026 U	< 0.0029 U	< 0.0019 U	< 0.0018 U	< 0.0056 U	< 0.0065 U	< 0.01 U
0.0080 N,O	**0.0041**	**0.0047 N,O**	**0.0014 NJ,O**	< 0.0019 U	< 0.0018 U	**0.019**	**0.14**	< 0.01 U
< 0.0033 U	< 0.0027 U	**0.0010 NJ,O**	< 0.0029 U	< 0.0019 U	< 0.0018 U	< 0.0056 U	< 0.0065 U	< 0.01 U
< 0.033 U	< 0.027 U	< 0.026 U	**0.01 J,O**	< 0.019 U	< 0.018 U	< 0.056 U	< 0.065 U	< 0.1 U

< 14 U	< 16 U	< 2.8 U,J,O
45 J,O	**35 J,O**	**38 J,O**
210	**280**	**26**
< 0.17 U	< 0.19 U	< 0.038 U
< 0.17 U	< 0.19 U	< 0.038 U
< 0.17 U	< 0.19 U	< 0.038 U
< 0.17 U	< 0.19 U	< 0.038 U
9.6	**0.099 J,O**	< 0.038 U,J,O
< 0.17 U	< 0.19 U	< 0.038 U
< 0.17 U	< 0.19 U	**0.09**
< 0.17 U	< 0.19 U	< 0.038 U
< 0.17 U	< 0.19 U	< 0.038 U
0.027 N,O	< 0.019 U	**0.0034 NJ,O**
< 0.017 U	< 0.019 U	**0.081**
< 0.017 U	< 0.019 U	**0.086**
< 0.0089 U	< 0.0098 U	< 0.0020 U
< 0.0089 U	< 0.0098 U	< 0.0020 U
< 0.0089 U	< 0.0098 U	**0.0035**
< 0.0089 U	< 0.0098 U	< 0.0020 U
< 0.89 U	< 0.98 U	< 0.2 U
< 0.0089 U	< 0.0098 U	< 0.0020 U
< 0.0089 U	< 0.0098 U	< 0.0020 U
< 0.017 U	< 0.019 U	**0.0030 J,O**
< 0.0089 U	< 0.0098 U	< 0.0020 U
< 0.017 U	< 0.019 U	< 0.0038 U
0.046 N,O	< 0.019 U	< 0.0038 U
< 0.017 U	< 0.019 U	**0.0011 J,O**
< 0.017 U	< 0.019 U	< 0.0038 U,O
< 0.017 U	< 0.019 U	< 0.0038 U
< 0.0089 U	< 0.0098 U	< 0.0020 U
0.17	< 0.0098 U	**0.0031 N,O**
< 0.0089 U	< 0.0098 U	< 0.0020 U
< 0.089 U	< 0.098 U	< 0.02 U

NOTES:

U = analyte not detected above the reference reporting limit

J = estimated concentration

O = qualifier indicating the reported value is estimated due to the presence of interference or quality exception.

Table A2
Soil Sample Results Summary: PAHs
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

		Subfacility	AIP	AIP	AIP	AIP	AIP
		Area	Background (Site)	Background (Site)	Background (Site)	Background (Site)	Background (Site)
		Location	AIP100	AIP100	ISL-018	ISL-018	ISL-019
		Sample Date	39947.62569	39947.62778	35065	35065	35065
		Sample ID	R4-C092301-21	R4-C092301-20	ISL-018-1-2-19960101	ISL-018-55-56-19960101	ISL-019-1-2-19960101
		ERM Sample ID	AIP100-20090514	AIP100-20090514	ISL-018-19960101	ISL-018-19960101	ISL-019-19960101
		Sample Interval	0 - 6	12 - 24	1 - 2	55 - 56	1 - 2
		Sample Type	N	N	N	N	N
Chemical Name	**CAS No.**	**Units**					
PAHs (mg/kg)							
2-Methylnaphthalene	91-57-6	mg/kg	< 0.2 U	< 0.21 U			
Acenaphthene	83-32-9	mg/kg	**0.049 J,O**	< 0.21 U			
Acenaphthylene	208-96-8	mg/kg	< 0.2 U	< 0.21 U			
Anthracene	120-12-7	mg/kg	**0.056 J,O**	< 0.21 U,J,O			
Benzo(a)anthracene	56-55-3	mg/kg	**0.27**	< 0.21 U			
Benzo(a)pyrene	50-32-8	mg/kg	**0.29**	< 0.21 U			
Benzo(b)fluoranthene	205-99-2	mg/kg	**0.36**	< 0.21 U	< 0.0096 U	< 0.091 U	< 0.096 U
Benzo(g,h,i)perylene	191-24-2	mg/kg	**0.14 J,O**	< 0.21 U			
Benzo(k)fluoranthene	207-08-9	mg/kg	**0.32 J,O**	< 0.21 U			
Chrysene	218-01-9	mg/kg	**0.33**	< 0.21 U			
Dibenzo(a,h)anthracene	53-70-3	mg/kg	**0.05 J,O**	< 0.21 U			
Fluoranthene	206-44-0	mg/kg	**0.63**	< 0.21 U	< 0.18 U	< 0.17 U	< 0.18 U
Fluorene	86-73-7	mg/kg	< 0.2 U,J,O	< 0.21 U,J,O			
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	**0.18 J,O**	< 0.21 U			
Naphthalene	91-20-3	mg/kg	< 0.2 U	< 0.21 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
Phenanthrene	85-01-8	mg/kg	**0.36**	< 0.21 U	< 0.11 U	< 0.1 U	< 0.11 U
Pyrene	129-00-0	mg/kg	**0.5**	< 0.21 U	< 0.15 U	< 0.14 U	< 0.15 U

NOTES:
U = analyte not detected above the reference reporting limit

AIP Background (Site) ISL-019 35065 ISL-019-70-71-19960101 ISL-019-19960101 70 - 71 N	AIP Background (Site) ISL-061 35065 ISL-061-1-2-19960101 ISL-061-19960101 1 - 2 N	AIP Background (Site) ISL-062 35065 ISL-062-1-2-19960101 ISL-062-19960101 1 - 2 N	AIP Background (Site) ISL-062 35065 ISL-062-15-16-19960101 ISL-062-19960101 15 - 16 N	AIP MNOP Site AIP101 39945.32778 R4-C092301-23 AIP101-20090512 0 - 6 N	AIP MNOP Site AIP101 39945.32986 R4-C092301-22 AIP101-20090512 12 - 24 N	AIP MNOP Site AIP102 39945.37014 R4-C092301-25 AIP102-20090512 0 - 6 N
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
< 0.091 U	< 0.091 U	< 0.093 U	< 0.093 U	< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O
				< 0.19 U	< 0.2 U	< 0.19 U
< 0.0012 U	< 0.0011 U	< 0.0082 UJ	< 0.0012 UJ	< 0.19 U	< 0.2 U	< 0.19 U
< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.19 U	< 0.2 U	< 0.19 U
< 0.14 U	< 0.14 U	< 0.15 U	< 0.15 U	< 0.19 U	< 0.2 U	< 0.19 U

AIP MNOP Site AIP102 39945.37153 R4-C092301-24 AIP102-20090512 12 - 24 N	AIP MNOP Site AIP103 39945.38542 R4-C092301-27 AIP103-20090512 0 - 6 N	AIP MNOP Site AIP103 39945.38681 R4-C092301-26 AIP103-20090512 12 - 24 N	AIP MNOP Site AIP104 39945.40347 R4-C092301-30 AIP104-20090512 0 - 6 N	AIP MNOP Site AIP104 39945.40556 R4-C092301-28 AIP104-20090512 12 - 24 N	AIP MNOP Site AIP104 39945.40556 R4-C092301-29 AIP104-20090512 12 - 24 FD	AIP MNOP Site AIP105 39945.43333 R4-C092301-31 AIP105-20090512 12 - 24 N	AIP MNOP Site AIP105 39945.43472 R4-C092301-32 AIP105-20090512 0 - 6 N	AIP MNOP Site AIP106 39944.68056 R4-C092301-34 AIP106-20090511 0 - 6 N
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.18 U,J,O	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U,J,O	< 0.2 U	< 0.2 U	< 0.2 U,J,O	< 0.2 U	**0.064 J,O**	**0.029 J,O**
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U,J,O	< 0.2 U	**0.12 J,O**	**0.035 J,O**
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U,J,O	< 0.2 U	**0.2**	**0.035 J,O**
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U,J,O	< 0.2 U	< 0.18 U	**0.036 J,O**
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U,J,O	< 0.2 U	**0.17 J,O**	**0.025 J,O**
< 0.19 U	< 0.2 U	< 0.2 U,J,O	< 0.2 U	< 0.2 U	< 0.2 U,J,O	< 0.2 U	**0.11 J,O**	**0.033 J,O**
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U,J,O	< 0.2 U	**0.038 J,O**	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U,J,O	< 0.2 U	< 0.2 U	< 0.2 U,J,O	< 0.2 U	**0.087 J,O**	**0.055 J,O**
< 0.19 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.18 U,J,O	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U,J,O	< 0.2 U	**0.085 J,O**	**0.03 J,O**
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	**0.02 J,O**
< 0.19 U	< 0.2 U	< 0.2 U,J,O	< 0.2 U	< 0.2 U	< 0.2 U,J,O	< 0.2 U	< 0.18 U	**0.048 J,O**

AIP MNOP Site AIP106 39944.68333 R4-C092301-33 AIP106-20090511 12 - 24 N	AIP MNOP Site AIP107 39944.66042 R4-C092301-36 AIP107-20090511 0 - 6 N	AIP MNOP Site AIP107 39944.66389 R4-C092301-35 AIP107-20090511 12 - 24 N	AIP MNOP Site AIP108 39944.64514 R4-C092301-38 AIP108-20090511 0 - 6 N	AIP MNOP Site AIP108 39944.64861 R4-C092301-37 AIP108-20090511 12 - 24 N	AIP MNOP Site AIP109 39944.62847 R4-C092301-40 AIP109-20090511 0 - 6 N	AIP MNOP Site AIP109 39944.63264 R4-C092301-39 AIP109-20090511 12 - 24 N	AIP MNOP Site AIP110 39944.60694 R4-C092301-42 AIP110-20090511 0 - 6 N	AIP MNOP Site AIP110 39944.61458 R4-C092301-41 AIP110-20090511 12 - 24 N
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	**0.024 J,O**	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	**0.071 J,O**	< 0.2 U	< 0.18 U	< 0.19 U	**0.11 J,O**	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	**0.069 J,O**	< 0.2 U	< 0.18 U	< 0.19 U	**0.092 J,O**	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	**0.092 J,O**	< 0.2 U	< 0.18 U	< 0.19 U	**0.1 J,O**	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	**0.058 J,O**	< 0.2 U	< 0.18 U	< 0.19 U	**0.067 J,O**	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	**0.036 J,O**	< 0.2 U	< 0.18 U	< 0.19 U	**0.068 J,O**	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	**0.077 J,O**	< 0.2 U	< 0.18 U	< 0.19 U	**0.11 J,O**	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	**0.03 J,O**	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	**0.15 J,O**	< 0.2 U	**0.021 J,O**	< 0.19 U	**0.2**	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	**0.067 J,O**	< 0.2 U	< 0.18 U	< 0.19 U	**0.069 J,O**	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	**0.09 J,O**	< 0.2 U	< 0.18 U	< 0.19 U	**0.11 J,O**	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	**0.13 J,O**	< 0.2 U	**0.019 J,O**	< 0.19 U	**0.16 J,O**	< 0.2 U	< 0.18 U	< 0.19 U

AIP MNOP Site AIP111 39947.59444 R4-C092301-44 AIP111-20090514 0 - 6 N	AIP MNOP Site AIP111 39947.59583 R4-C092301-43 AIP111-20090514 12 - 24 N	AIP MNOP Site AIP112 39947.575 R4-C092301-46 AIP112-20090514 0 - 6 N	AIP MNOP Site AIP112 39947.57708 R4-C092301-45 AIP112-20090514 12 - 24 N	AIP MNOP Site AIP113 39947.38611 R4-C092301-48 AIP113-20090514 0 - 6 N	AIP MNOP Site AIP113 39947.3875 R4-C092301-47 AIP113-20090514 12 - 24 N	AIP MNOP Site AIP114 39947.35069 R4-C092301-50 AIP114-20090514 0 - 6 N	AIP MNOP Site AIP114 39947.35347 R4-C092301-49 AIP114-20090514 12 - 24 N	AIP MNOP Site AIP115 39947.36528 R4-C092301-52 AIP115-20090514 0 - 6 N
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O	< 0.21 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	**0.076 J,O**
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	**0.084 J,O**
0.053 J,O	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	**0.08 J,O**
< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	**0.098 J,O**
0.028 J,O	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	**0.098 J,O**
< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	**0.19**
< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O	< 0.21 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O
< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	**0.062 J,O**
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	**0.065 J,O**
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U

AIP MNOP Site AIP115 39947.36667 R4-C092301-51 AIP115-20090514 12 - 24 N	AIP MNOP Site AIP116 39946.60694 R4-C092301-54 AIP116-20090513 0 - 6 N	AIP MNOP Site AIP116 39946.60764 R4-C092301-53 AIP116-20090513 12 - 24 N	AIP MNOP Site AIP117 39946.61806 R4-C092301-56 AIP117-20090513 0 - 6 N	AIP MNOP Site AIP117 39946.62014 R4-C092301-55 AIP117-20090513 12 - 24 N	AIP MNOP Site AIP118 39946.59583 R4-C092301-58 AIP118-20090513 0 - 6 N	AIP MNOP Site AIP118 39946.59653 R4-C092301-57 AIP118-20090513 12 - 24 N	AIP MNOP Site AIP119 39946.45903 R4-C092301-60 AIP119-20090513 0 - 6 N	AIP MNOP Site AIP119 39946.46111 R4-C092301-59 AIP119-20090513 12 - 24 N
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U,J,O	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U,J,O	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U

AIP MNOP Site AIP120 39946.37569 R4-C092301-62 AIP120-20090513 0 - 6 N	AIP MNOP Site AIP120 39946.37708 R4-C092301-61 AIP120-20090513 12 - 24 N	AIP MNOP Site AIP121 39946.38542 R4-C092301-64 AIP121-20090513 0 - 6 N	AIP MNOP Site AIP121 39946.3875 R4-C092301-63 AIP121-20090513 12 - 24 N	AIP MNOP Site AIP122 39946.4375 R4-C092301-66 AIP122-20090513 0 - 6 N	AIP MNOP Site AIP122 39946.43889 R4-C092301-65 AIP122-20090513 12 - 24 N	AIP MNOP Site AIP123 39946.42431 R4-C092301-68 AIP123-20090513 0 - 6 N	AIP MNOP Site AIP123 39946.42639 R4-C092301-67 AIP123-20090513 12 - 24 N	AIP MNOP Site AIP124 39946.4125 R4-C092301-70 AIP124-20090513 0 - 6 N
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	**0.02 J,O**	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
0.024 J,O	< 0.18 U	< 0.18 U	**0.051 J,O**	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	**0.034 J,O**	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
0.021 J,O	< 0.18 U	< 0.18 U	**0.035 J,O**	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U

AIP MNOP Site AIP124 39946.41319 R4-C092301-69 AIP124-20090513 12 - 24 N	AIP MNOP Site AIP125 39946.4 R4-C092301-72 AIP125-20090513 0 - 6 N	AIP MNOP Site AIP125 39946.40208 R4-C092301-71 AIP125-20090513 12 - 24 N	AIP MNOP Site AIP126 39945.49444 R4-C092301-74 AIP126-20090512 0 - 6 N	AIP MNOP Site AIP126 39945.49653 R4-C092301-73 AIP126-20090512 12 - 24 N	AIP MNOP Site AIP127 39945.48333 R4-C092301-76 AIP127-20090512 0 - 6 N	AIP MNOP Site AIP127 39945.48611 R4-C092301-75 AIP127-20090512 12 - 24 N	AIP MNOP Site AIP128 39945.46806 R4-C092301-78 AIP128-20090512 0 - 6 N	AIP MNOP Site AIP128 39945.47014 R4-C092301-77 AIP128-20090512 12 - 24 N
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
0.023 J,O	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
0.064 J,O	< 0.18 U	< 0.19 U	< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O
0.21	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	**0.036 J,O**	< 0.2 U
0.18 J,O	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	**0.037 J,O**	< 0.2 U
0.25	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	**0.059 J,O**	< 0.2 U
0.15 J,O	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
0.12 J,O	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
0.2	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	**0.052 J,O**	< 0.2 U
0.062 J,O	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
0.47	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	**0.086 J,O**	< 0.2 U
0.029 J,O	< 0.18 U	< 0.19 U	< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O
0.16 J,O	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
0.29	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
0.38	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U

AIP MNOP Site AIP129 39945.61042 R4-C092301-80 AIP129-20090512 0 - 6 N	AIP MNOP Site AIP129 39945.61181 R4-C092301-79 AIP129-20090512 12 - 24 N	AIP MNOP Site AIP130 39945.62569 R4-C092301-82 AIP130-20090512 0 - 6 N	AIP MNOP Site AIP130 39945.62778 R4-C092301-81 AIP130-20090512 12 - 24 N	AIP MNOP Site AIP131 39945.45278 R4-C092301-83 AIP131-20090512 12 - 24 N	AIP MNOP Site AIP131 39945.45625 R4-C092301-84 AIP131-20090512 0 - 6 N	AIP MNOP Site AIP132 39945.65208 R4-C092301-87 AIP132-20090512 0 - 6 FD	AIP MNOP Site AIP132 39945.65833 R4-C092301-85 AIP132-20090512 12 - 24 N	AIP MNOP Site AIP132 39945.65833 R4-C092301-86 AIP132-20090512 0 - 6 N
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
0.29	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
0.28 J,O	< 0.19 U,J,O	< 0.24 U,J,O	< 0.19 U,J,O	< 0.21 U,J,O	< 0.18 U,J,O	< 4.4 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O
0.51	< 0.19 U	< 0.24 U	**0.068 J,O**	< 0.21 U	**0.098 J,O**	< 4.4 U	< 0.19 U	< 0.19 U,J,O
0.81	< 0.19 U	< 0.24 U	**0.055 J,O**	< 0.21 U	**0.099 J,O**	< 4.4 U	< 0.19 U	< 0.19 U,J,O
1.7	< 0.19 U	< 0.24 U	**0.062 J,O**	< 0.21 U	**0.12 J,O**	< 4.4 U	< 0.19 U	< 0.19 U,J,O
0.39	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U,J,O
1	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	**0.1 J,O**	< 4.4 U	< 0.19 U	< 0.19 U,J,O
0.77	< 0.19 U	< 0.24 U	**0.072 J,O**	< 0.21 U	**0.13 J,O**	< 4.4 U	< 0.19 U	< 0.19 U,J,O
0.31	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U,J,O
0.48	< 0.19 U	**0.046 J,O**	**0.15 J,O**	< 0.21 U	**0.34**	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U,J,O	< 0.19 U,J,O	< 0.24 U,J,O	< 0.19 U,J,O	< 0.21 U,J,O	< 0.18 U,J,O	< 4.4 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O
0.66	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	**0.068 J,O**	< 4.4 U	< 0.19 U	< 0.19 U,J,O
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	**0.041 J,O**	< 4.4 U	< 0.19 U	< 0.19 U
0.041 J,O	< 0.19 U	< 0.24 U	**0.073 J,O**	< 0.21 U	**0.25**	< 4.4 U	< 0.19 U	< 0.19 U
0.93	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	**0.25**	< 4.4 U	< 0.19 U	< 0.19 U,J,O

AIP MNOP Site AIP133 39945.59028 R4-C092301-89 AIP133-20090512 0 - 6 N	AIP MNOP Site AIP133 39945.59167 R4-C092301-88 AIP133-20090512 12 - 24 N	AIP MNOP Site AIP134 39947.40486 R4-C092301-92 AIP134-20090514 0 - 6 N	AIP MNOP Site AIP134 39947.40625 R4-C092301-90 AIP134-20090514 12 - 24 N	AIP MNOP Site AIP134 39947.40625 R4-C092301-91 AIP134-20090514 12 - 24 FD	AIP MNOP Site AIP135 39947.42292 R4-C092301-94 AIP135-20090514 0 - 6 N	AIP MNOP Site AIP135 39947.42431 R4-C092301-93 AIP135-20090514 12 - 24 N	AIP MNOP Site AIP136 39947.47986 R4-C092301-96 AIP136-20090514 0 - 6 N	AIP MNOP Site AIP136 39947.48194 R4-C092301-95 AIP136-20090514 12 - 24 N
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O
< 0.19 U	**0.04 J,O**	< 0.2 U	< 0.19 U	< 0.19 U,J,O	< 0.18 U	< 0.19 U	< 0.2 U,J,O	< 0.2 U
< 0.19 U	**0.098 J,O**	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	**0.095 J,O**	**0.057 J,O**	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	**0.052 J,O**	< 0.2 U
< 0.19 U	**0.068 J,O**	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	**0.092 J,O**	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	**0.054 J,O**	**0.044 J,O**	< 0.19 U	< 0.19 U,J,O	< 0.18 U	< 0.19 U	**0.043 J,O**	< 0.2 U
< 0.19 U	**0.04 J,O**	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	**0.038 J,O**	**0.055 J,O**	< 0.19 U	< 0.19 U,J,O	< 0.18 U	< 0.19 U	**0.061 J,O**	< 0.2 U
< 0.19 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O
< 0.19 U	**0.096 J,O**	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U,J,O	< 0.18 U	< 0.19 U	< 0.2 U,J,O	< 0.2 U

AIP MNOP Site AIP137 39947.61458 R4-C092301-98 AIP137-20090514 0 - 6 N	AIP MNOP Site AIP137 39947.61667 R4-C092301-97 AIP137-20090514 12 - 24 N	AIP MNOP Site AIP138 39945.70139 R4-C092302-01 AIP138-20090512 0 - 6 N	AIP MNOP Site AIP138 39945.70347 R4-C092301-99 AIP138-20090512 12 - 24 N	AIP MNOP Site AIP139 39945.68889 R4-C092302-03 AIP139-20090512 0 - 6 N	AIP MNOP Site AIP139 39945.69097 R4-C092302-02 AIP139-20090512 12 - 24 N	AIP MNOP Site AIP140 39946.64028 R4-C092302-06 AIP140-20090513 0 - 6 N	AIP MNOP Site AIP140 39946.64236 R4-C092302-04 AIP140-20090513 12 - 24 N	AIP MNOP Site AIP140 39946.64236 R4-C092302-05 AIP140-20090513 12 - 24 FD
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U,J,O	< 0.22 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.18 U,J,O	< 0.18 U	< 0.2 U	< 0.19 U
0.046 J,O	< 0.22 U,J,O	< 0.19 U,J,O	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
0.063 J,O	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
0.085 J,O	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
0.068 J,O	< 0.22 U,J,O	< 0.19 U,J,O	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
0.11 J,O	< 0.22 U,J,O	< 0.19 U,J,O	< 0.19 U	**0.043 J,O**	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U,J,O	< 0.22 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.18 U,J,O	< 0.18 U	< 0.2 U	< 0.19 U
0.059 J,O	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U,J,O	< 0.22 U,J,O	< 0.19 U,J,O	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U

AIP MNOP Site AIP141 39946.65764 R4-C092302-08 AIP141-20090513 0 - 6 N	AIP MNOP Site AIP141 39946.65903 R4-C092302-07 AIP141-20090513 12 - 24 N	AIP MNOP Site AIP142 39947.32847 R4-C092302-10 AIP142-20090514 0 - 6 N	AIP MNOP Site AIP142 39947.32986 R4-C092302-09 AIP142-20090514 12 - 24 N	AIP MNOP Site ISL-001 35065 ISL-001-1-2-19960101 ISL-001-19960101 1 - 2 N	AIP MNOP Site ISL-001 35065 ISL-001-15-16-19960101 ISL-001-19960101 15 - 16 N	AIP MNOP Site ISL-002 35065 ISL-002-1-2-19960101 ISL-002-19960101 1 - 2 N
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U,J,O	< 0.19 U,J,O			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U,J,O			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.087 U	< 0.091 U	< 0.092 U
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U,J,O			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U,J,O	< 0.16 U	< 0.17 U	< 0.17 U
< 0.19 U	< 0.2 U	< 0.19 U,J,O	< 0.19 U,J,O			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.0011 UJ	< 0.0012 U	< 0.0012 U
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.097 U	< 0.1 U	< 0.1 U
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U,J,O	< 0.14 U	< 0.14 U	< 0.15 U

AIP MNOP Site ISL-002 35065 ISL-002-35-36-19960101 ISL-002-19960101 35 - 36 N	AIP MNOP Site ISL-002 35065 ISL-002A DUP-1-2-19960101 ISL-002-19960101 1 - 2 FD	AIP MNOP Site ISL-003 35065 ISL-003-1-2-19960101 ISL-003-19960101 1 - 2 N	AIP MNOP Site ISL-003 35065 ISL-003-30-31-19960101 ISL-003-19960101 30 - 31 N	AIP MNOP Site ISL-004 35065 ISL-004-1-3-19960101 ISL-004-19960101 1 - 3 N	AIP MNOP Site ISL-004 35065 ISL-004A DUP-1-3-19960101 ISL-004-19960101 1 - 3 FD
< 0.089 U	< 0.093 U	< 0.092 U	< 0.089 U	< 0.092 U	< 0.093 U
< 0.16 U	< 0.17 U	< 0.17 U	< 0.16 U	< 0.17 U	< 0.17 U
< 0.0011 UJ	< 0.0012 UJ	< 0.0012 UJ	< 0.0011 UJ	< 0.0012 UJ	< 0.0012 UJ
< 0.098 U	< 0.1 U	< 0.1 U	< 0.099 U	< 0.1 U	< 0.1 U
< 0.14 U	< 0.15 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.15 U

AIP MNOP Site ISL-005 35065 ISL-005-1-2-19960101 ISL-005-19960101 1 - 2 N	AIP MNOP Site ISL-005 35065 ISL-005-40-41-19960101 ISL-005-19960101 40 - 41 N	AIP MNOP Site ISL-006 35065 ISL-006-1-2-19960101 ISL-006-19960101 1 - 2 N	AIP MNOP Site ISL-006 35065 ISL-006-45-46-19960101 ISL-006-19960101 45 - 46 N	AIP MNOP Site ISL-007 35065 ISL-007-0-2-19960101 ISL-007-19960101 0 - 2 N	AIP MNOP Site ISL-007 35065 ISL-007-1-2-19960101 ISL-007-19960101 1 - 2 N	AIP MNOP Site ISL-008 35065 ISL-008-0-2-19960101 ISL-008-19960101 0 - 2 N
< 0.095 U	< 0.086 U	< 0.091 U	< 0.086 U	< 0.096 U	< 0.097 U	< 0.1 U
< 0.17 U	< 0.16 U	< 0.17 U	< 0.16 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.0012 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U	< 0.0012 UJ	< 0.0013 UJ
< 0.1 U	< 0.095 U	< 0.1 U	< 0.095 U	< 0.11 U	< 0.11 U	< 0.11 U
< 0.15 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.15 U	< 0.16 U

AIP MNOP Site ISL-008 35065 ISL-008-9-11-19960101 ISL-008-19960101 9 - 11 N	AIP MNOP Site ISL-009 35065 ISL-009-0-2-19960101 ISL-009-19960101 0 - 2 N	AIP MNOP Site ISL-009 35065 ISL-009-9-11-19960101 ISL-009-19960101 9 - 11 N	AIP MNOP Site ISL-010 35065 ISL-010-0-2-19960101 ISL-010-19960101 0 - 2 N	AIP MNOP Site ISL-010 35065 ISL-010-14-16-19960101 ISL-010-19960101 14 - 16 N	AIP MNOP Site ISL-011 35065 ISL-011-0-2-19960101 ISL-011-19960101 0 - 2 N	AIP MNOP Site ISL-011 35065 ISL-011-14-16-19960101 ISL-011-19960101 14 - 16 N
< 0.098 U	< 0.088 U	< 0.093 U	< 0.088 U	< 0.09 U	< 0.092 U	< 0.092 U
< 0.18 U	< 0.16 U	< 0.17 U	< 0.16 U	< 0.17 U	< 0.17 U	< 0.17 U
< 0.0012 UJ	< 0.0011 UJ	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0012 U	< 0.0012 U
< 0.11 U	< 0.097 U	< 0.1 U	< 0.098 U	< 0.1 U	< 0.1 U	< 0.1 U
< 0.16 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.15 U

AIP MNOP Site ISL-012 35065 ISL-012-1-2-19960101 ISL-012-19960101 1 - 2 N	AIP MNOP Site ISL-012 35065 ISL-012-35-36-19960101 ISL-012-19960101 35 - 36 N	AIP MNOP Site ISL-013 35065 ISL-013-0-2-19960101 ISL-013-19960101 0 - 2 N	AIP MNOP Site ISL-013 35065 ISL-013-24-26-19960101 ISL-013-19960101 24 - 26 N	AIP MNOP Site ISL-014 35065 ISL-014-0.5-2-19960101 ISL-014-19960101 0.5 - 2 N	AIP MNOP Site ISL-014 35065 ISL-014-35-36.5-19960101 ISL-014-19960101 35 - 36.5 N
< 0.093 U	< 0.092 U	< 0.093 U	< 0.09 U	< 0.093 U	< 0.09 U
< 0.17 U	< 0.17 U	< 0.17 U	< 0.16 U	< 0.17 U	< 0.16 U
< 0.0012 U	< 0.0012 U	< 0.0012 UJ	< 0.0011 U	< 0.0012 U	< 0.0011 U
< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
< 0.15 U	< 0.15 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.14 U

AIP MNOP Site ISL-015 35065 ISL-015-1-2-19960101 ISL-015-19960101 1 - 2 N	AIP MNOP Site ISL-015 35065 ISL-015-25-26-19960101 ISL-015-19960101 25 - 26 N	AIP MNOP Site ISL-016 35065 ISL-016-1-2-19960101 ISL-016-19960101 1 - 2 N	AIP MNOP Site ISL-016 35065 ISL-016-30-31-19960101 ISL-016-19960101 30 - 31 N	AIP MNOP Site ISL-017 35065 ISL-017-1-2-19960101 ISL-017-19960101 1 - 2 N	AIP MNOP Site ISL-017 35065 ISL-017-20-21-19960101 ISL-017-19960101 20 - 21 N	AIP MNOP Site ISL-020 35065 ISL-020-1-2-19960101 ISL-020-19960101 1 - 2 N
< 0.095 U	< 0.089 U	< 0.092 U	< 0.11 U	< 0.09 U	< 0.091 U	< 0.18 U
< 0.17 U	< 0.16 U	< 0.17 U	< 0.2 U	< 0.17 U	< 0.17 U	< 0.34 U
< 0.0012 U	< 0.0011 U	< 0.0012 U	< 0.0014 U	< 0.0011 U	< 0.0012 U	< 0.0012 U
< 0.11 U	< 0.099 U	< 0.1 U	< 0.12 U	< 0.1 U	< 0.1 U	< 0.2 U
< 0.15 U	< 0.14 U	< 0.15 U	< 0.17 U	< 0.14 U	< 0.14 U	< 0.29 U

AIP MNOP Site ISL-020 35065 ISL-020A DUP-1-2-19960101 ISL-020-19960101 1 - 2 FD	AIP MNOP Site ISL-021 35065 ISL-021-1-2-19960101 ISL-021-19960101 1 - 2 N	AIP MNOP Site ISL-021 35065 ISL-021-40-41-19960101 ISL-021-19960101 40 - 41 N	AIP MNOP Site ISL-022 35065 ISL-022-1-2-19960101 ISL-022-19960101 1 - 2 N	AIP MNOP Site ISL-022 35065 ISL-022-15-16-19960101 ISL-022-19960101 15 - 16 N	AIP MNOP Site ISL-022 35065 ISL-022A DUP-1-2-19960101 ISL-022-19960101 1 - 2 FD
< 0.19 U	< 0.092 U	< 0.093 U	< 0.094 U	< 0.087 U	< 0.093 U
< 0.34 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.16 U	< 0.17 U
< 0.0012 U	< 0.0012 UJ	< 0.0012 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.21 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.096 U	< 0.1 U
< 0.3 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.14 U	< 0.15 U

AIP MNOP Site ISL-023 35065 ISL-023-1-2-19960101 ISL-023-19960101 1 - 2 N	AIP MNOP Site ISL-023 35065 ISL-023-15-16-19960101 ISL-023-19960101 15 - 16 N	AIP MNOP Site ISL-024 35065 ISL-024-1-2-19960101 ISL-024-19960101 1 - 2 N	AIP MNOP Site ISL-024 35065 ISL-024-30-31-19960101 ISL-024-19960101 30 - 31 N	AIP MNOP Site ISL-025 35065 ISL-025-1-2-19960101 ISL-025-19960101 1 - 2 N	AIP MNOP Site ISL-025 35065 ISL-025-25-26-19960101 ISL-025-19960101 25 - 26 N	AIP MNOP Site ISL-026 35065 ISL-026-1-2-19960101 ISL-026-19960101 1 - 2 N
< 0.097 U	< 0.087 U	< 0.094 U	< 0.087 U	< 0.091 U	< 0.087 U	< 0.09 U
< 0.17 U	< 0.16 U	< 0.17 U	< 0.16 U	< 0.17 U	< 0.16 U	< 0.17 U
< 0.0012 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U
< 0.11 U	< 0.096 U	< 0.1 U	< 0.097 U	< 0.1 U	< 0.096 U	< 0.1 U
< 0.15 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U

AIP MNOP Site ISL-026 35065 ISL-026-35-37-19960101 ISL-026-19960101 35 - 37 N	AIP MNOP Site ISL-026 35065 ISL-026A DUP-1-2-19960101 ISL-026-19960101 1 - 2 FD	AIP MNOP Site ISL-026 35065 ISL-026A DUP-35-37-19960101 ISL-026-19960101 35 - 37 FD	AIP MNOP Site ISL-027 35065 ISL-027-1-2-19960101 ISL-027-19960101 1 - 2 N	AIP MNOP Site ISL-027 35065 ISL-027-30-31-19960101 ISL-027-19960101 30 - 31 N	AIP MNOP Site ISL-028 35065 ISL-028-1-2-19960101 ISL-028-19960101 1 - 2 N
< 0.089 U	< 0.09 U	< 0.089 U	< 0.092 U	< 0.087 U	< 0.089 U
< 0.16 U	< 0.16 U	< 0.16 U	< 0.17 U	< 0.16 U	< 0.16 U
< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0011 U
< 0.099 U	< 0.1 U	< 0.099 U	< 0.1 U	< 0.096 U	< 0.099 U
< 0.14 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.14 U

AIP MNOP Site ISL-028 35065 ISL-028-35-36-19960101 ISL-028-19960101 35 - 36 N	AIP MNOP Site ISL-029 35065 ISL-029-1-2-19960101 ISL-029-19960101 1 - 2 N	AIP MNOP Site ISL-029 35065 ISL-029-35-36-19960101 ISL-029-19960101 35 - 36 N	AIP MNOP Site ISL-030 35065 ISL-030-1-2-19960101 ISL-030-19960101 1 - 2 N	AIP MNOP Site ISL-030 35065 ISL-030-35-36-19960101 ISL-030-19960101 35 - 36 N	AIP MNOP Site ISL-031 35065 ISL-031-0-2-19960101 ISL-031-19960101 0 - 2 N
< 0.091 U	< 0.093 U	< 0.087 U	< 0.88 U	< 0.089 U	< 0.087 U
< 0.17 U	< 0.17 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
< 0.0012 U	< 0.0012 U	< 0.0024 UJ	< 0.0011 U	< 0.0011 U	< 0.0011 U
< 0.1 U	< 0.1 U	< 0.096 U	< 0.098 U	< 0.099 U	< 0.097 U
< 0.14 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U

AIP MNOP Site ISL-031 35065 ISL-031-14-16-19960101 ISL-031-19960101 14 - 16 N	AIP MNOP Site ISL-032 35065 ISL-032-0-2-19960101 ISL-032-19960101 0 - 2 N	AIP MNOP Site ISL-032 35065 ISL-032-14-16-19960101 ISL-032-19960101 14 - 16 N	AIP MNOP Site ISL-033 35065 ISL-033-1-2-19960101 ISL-033-19960101 1 - 2 N	AIP MNOP Site ISL-033 35065 ISL-033-25-26-19960101 ISL-033-19960101 25 - 26 N	AIP MNOP Site ISL-034 35065 ISL-034-0-2-19960101 ISL-034-19960101 0 - 2 N
< 0.089 U	< 0.091 U	< 0.088 U	< 0.093 U	< 0.091 U	< 0.092 U
< 0.16 U	< 0.17 U	< 0.16 U	< 0.17 U	< 0.17 U	< 0.17 U
< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
< 0.098 U	< 0.1 U	< 0.098 U	< 0.1 U	< 0.1 U	< 0.1 U
< 0.14 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.15 U

AIP MNOP Site ISL-034 35065 ISL-034-14-16-19960101 ISL-034-19960101 14 - 16 N	AIP MNOP Site ISL-035 35065 ISL-035-0-2-19960101 ISL-035-19960101 0 - 2 N	AIP MNOP Site ISL-035 35065 ISL-035-19-21-19960101 ISL-035-19960101 19 - 21 N	AIP MNOP Site ISL-035 35065 ISL-035D DUP-0-2-19960101 ISL-035-19960101 0 - 2 FD	AIP MNOP Site ISL-036 35065 ISL-036-1-2-19960101 ISL-036-19960101 1 - 2 N	AIP MNOP Site ISL-036 35065 ISL-036-45-46-19960101 ISL-036-19960101 45 - 46 N
< 0.092 U	< 0.091 U	< 0.093 U	< 0.082 U	< 0.092 U	< 0 R
< 0.17 U	< 0.17 U	< 0.17 U	< 0.15 U	< 0.17 U	< 0 R
< 0.0012 U	< 0.0012 U	< 0.0012 U		< 0.0012 U	< 0.0011 U
< 0.1 U	< 0.1 U	< 0.1 U	< 0.091 U	< 0.1 U	< 0 R
< 0.15 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.15 U	< 0 R

AIP MNOP Site ISL-037 35065 ISL-037 DUP-1-2-19960101 ISL-037-19960101 1 - 2 FD	AIP MNOP Site ISL-037 35065 ISL-037 DUP-40-41-19960101 ISL-037-19960101 40 - 41 FD	AIP MNOP Site ISL-037 35065 ISL-037-1-2-19960101 ISL-037-19960101 1 - 2 N	AIP MNOP Site ISL-037 35065 ISL-037-40-41-19960101 ISL-037-19960101 40 - 41 N	AIP MNOP Site ISL-038 35065 ISL-038-1-2-19960101 ISL-038-19960101 1 - 2 N	AIP MNOP Site ISL-038 35065 ISL-038-40-41-19960101 ISL-038-19960101 40 - 41 N
< 0.09 U	< 0 R	< 0.094 U	< 0.091 U	< 0.092 U	< 0.091 U
< 0.16 U	< 0 R	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
< 0.0011 U	**0.016**	< 0.0012 U	< 0.0011 U	< 0.0012 U	< 0.0012 U
< 0.099 U	< 0 R	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
< 0.14 U	< 0 R	< 0.15 U	< 0.14 U	< 0.15 U	< 0.14 U

AIP MNOP Site ISL-039 35065 ISL-039-1-2-19960101 ISL-039-19960101 1 - 2 N	AIP MNOP Site ISL-039 35065 ISL-039-40-41-19960101 ISL-039-19960101 40 - 41 N	AIP MNOP Site ISL-040 35065 ISL-040-1-2-19960101 ISL-040-19960101 1 - 2 N	AIP MNOP Site ISL-040 35065 ISL-040-30-31-19960101 ISL-040-19960101 30 - 31 N	AIP MNOP Site ISL-041 35065 ISL-041-1-2-19960101 ISL-041-19960101 1 - 2 N	AIP MNOP Site ISL-041 35065 ISL-041-35-36-19960101 ISL-041-19960101 35 - 36 N
< 0.089 U	< 0.097 U	< 0.094 U	< 0.094 U	**0.21**	< 0.093 U
< 0.16 U	< 0.18 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
< 0.0011 UJ	< 0.0012 UJ	< 0.0012 U	< 0.0012 UJ	< 0.0012 UJ	< 0.0012 U
< 0.099 U	< 0.11 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
< 0.14 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U

AIP MNOP Site ISL-041 35065 ISL-041A DUP-1-2-19960101 ISL-041-19960101 1 - 2 FD	AIP MNOP Site ISL-042 35065 ISL-042-1-2-19960101 ISL-042-19960101 1 - 2 N	AIP MNOP Site ISL-042 35065 ISL-042-32-33-19960101 ISL-042-19960101 32 - 33 N	AIP MNOP Site ISL-043 35065 ISL-043-1-2-19960101 ISL-043-19960101 1 - 2 N	AIP MNOP Site ISL-043 35065 ISL-043-19-20-19960101 ISL-043-19960101 19 - 20 N	AIP MNOP Site ISL-043 35065 ISL-043A DUP-1-2-19960101 ISL-043-19960101 1 - 2 FD
0.16 J	< 0.087 U	< 0.085 U	< 0.094 U	< 0.084 U	**0.17 J**
< 0.17 U	< 0.16 U	< 0.16 U	< 0.17 U	< 0.15 U	< 0.17 U
< 0.0012 U	< 0.0011 UJ	< 0.0011 U	< 0.0012 UJ	< 0.0011 U	< 0.0012 UJ
< 0.11 U	< 0.096 U	< 0.094 U	< 0.1 U	< 0.094 U	< 0.1 U
< 0.15 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.13 U	< 0.15 U

AIP MNOP Site ISL-044 35065 ISL-044-1-2-19960101 ISL-044-19960101 1 - 2 N	AIP MNOP Site ISL-044 35065 ISL-044-50-51-19960101 ISL-044-19960101 50 - 51 N	AIP MNOP Site ISL-045 35065 ISL-045-1-2-19960101 ISL-045-19960101 1 - 2 N	AIP MNOP Site ISL-045 35065 ISL-045-50-51-19960101 ISL-045-19960101 50 - 51 N	AIP MNOP Site ISL-046 35065 ISL-046-1-2-19960101 ISL-046-19960101 1 - 2 N	AIP MNOP Site ISL-046 35065 ISL-046-14-15-19960101 ISL-046-19960101 14 - 15 N	AIP MNOP Site ISL-047 35065 ISL-047-1-2-19960101 ISL-047-19960101 1 - 2 N
< 0.093 U	< 0.086 U	< 0.094 U	< 0.096 U	< 0.093 U	< 0.091 U	< 0.094 U
< 0.17 U	< 0.16 U	< 0.17 U	< 0.18 U	< 0.17 U	< 0.17 U	< 0.17 U
< 0.0012 UJ	< 0.0011 UJ	< 0.0012 UJ	< 0.0012 UJ	< 0.0012 UJ	< 0.0012 U	< 0.0012 U
0.11 J	< 0.095 U	< 0.1 U	< 0.11 U	< 0.1 U	< 0.1 U	< 0.1 U
< 0.15 U	< 0.14 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.14 U	< 0.15 U

AIP MNOP Site ISL-047 35065 ISL-047-14-15-19960101 ISL-047-19960101 14 - 15 N	AIP MNOP Site ISL-048 35065 ISL-048-0-2-19960101 ISL-048-19960101 0 - 2 N	AIP MNOP Site ISL-048 35065 ISL-048-29-31-19960101 ISL-048-19960101 29 - 31 N	AIP MNOP Site ISL-049 35065 ISL-049-12-13-19960101 ISL-049-19960101 12 - 13 N	AIP MNOP Site ISL-049 35065 ISL-049-1-2-19960101 ISL-049-19960101 1 - 2 N	AIP MNOP Site ISL-050 35065 ISL-050-14-15-19960101 ISL-050-19960101 14 - 15 N
< 0.094 U	< 0.091 U	< 0.089 U	< 0.097 U	< 0.088 U	< 0.092 U
< 0.17 U	< 0.17 U	< 0.16 U	< 0.18 U	< 0.16 U	< 0.17 U
< 0.0012 U	< 0.0012 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 UJ
< 0.1 U	< 0.1 U	< 0.098 U	< 0.11 U	< 0.097 U	< 0.1 U
< 0.15 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.14 U	< 0.15 U

AIP MNOP Site ISL-050 35065 ISL-050-3-4-19960101 ISL-050-19960101 3 - 4 N	AIP MNOP Site ISL-051 35065 ISL-051-1-2-19960101 ISL-051-19960101 1 - 2 N	AIP MNOP Site ISL-051 35065 ISL-051-45-46-19960101 ISL-051-19960101 45 - 46 N	AIP MNOP Site ISL-052 35065 ISL-052-0.5-2-19960101 ISL-052-19960101 0.5 - 2 N	AIP MNOP Site ISL-052 35065 ISL-052-45-46-19960101 ISL-052-19960101 45 - 46 N	AIP MNOP Site ISL-053 35065 ISL-053-0.5-2-19960101 ISL-053-19960101 0.5 - 2 N
< 0.092 U	< 0.099 U	< 0.091 U	< 0.093 U	< 0.09 UJ	< 0.094 U
< 0.17 U	< 0.18 U	< 0.17 U	< 0.17 U	< 0.16 UJ	< 0.17 U
< 0.0012 UJ	< 0.0013 UJ	< 0.0012 UJ	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.1 U	< 0.11 U	< 0.1 U	< 0.1 U	< 0.099 UJ	< 0.1 U
< 0.15 U	< 0.16 U	< 0.14 U	< 0.15 U	< 0.14 UJ	< 0.15 U

AIP MNOP Site ISL-053 35065 ISL-053-30-31-19960101 ISL-053-19960101 30 - 31 N	AIP MNOP Site ISL-054 35065 ISL-054-0.5-2-19960101 ISL-054-19960101 0.5 - 2 N	AIP MNOP Site ISL-054 35065 ISL-054-45-46-19960101 ISL-054-19960101 45 - 46 N	AIP MNOP Site ISL-055 35065 ISL-055-1-2-19960101 ISL-055-19960101 1 - 2 N	AIP MNOP Site ISL-055 35065 ISL-055-40-41-19960101 ISL-055-19960101 40 - 41 N	AIP MNOP Site ISL-056 35065 ISL-056-1-2-19960101 ISL-056-19960101 1 - 2 N
< 0.089 U	< 0.092 U	< 0.088 U	< 0.091 U	< 0.09 U	< 0.091 U
< 0.16 U	< 0.17 U	< 0.16 U	< 0.17 U	< 0.17 U	< 0.17 U
< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 UJ
< 0.099 U	< 0.1 U	< 0.098 U	< 0.1 U	< 0.1 U	< 0.1 U
< 0.14 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U

AIP MNOP Site ISL-056 35065 ISL-056-50-51-19960101 ISL-056-19960101 50 - 51 N	AIP MNOP Site ISL-057 35065 ISL-057-1-2-19960101 ISL-057-19960101 1 - 2 N	AIP MNOP Site ISL-057 35065 ISL-057-55-56-19960101 ISL-057-19960101 55 - 56 N	AIP MNOP Site ISL-058 35065 ISL-058-1-2-19960101 ISL-058-19960101 1 - 2 N	AIP MNOP Site ISL-058 35065 ISL-058-55-56-19960101 ISL-058-19960101 55 - 56 N	AIP MNOP Site ISL-059 35065 ISL-059-1-2-19960101 ISL-059-19960101 1 - 2 N
< 0.092 U	< 0.093 U	< 0.089 U	< 0.091 U	< 0.089 U	< 0.093 U
< 0.17 U	< 0.17 U	< 0.16 U	< 0.17 U	< 0.16 U	< 0.17 U
< 0.0012 UJ	< 0.0012 U	< 0.0011 UJ	< 0.0012 U	< 0.0011 U	< 0.0012 UJ
< 0.1 U	< 0.1 U	< 0.099 U	< 0.1 U	< 0.099 U	< 0.1 U
< 0.15 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.15 U

AIP MNOP Site ISL-059 35065 ISL-059-55-56-19960101 ISL-059-19960101 55 - 56 N	AIP MNOP Site ISL-060 35065 ISL-060-1-2-19960101 ISL-060-19960101 1 - 2 N	AIP MNOP Site ISL-060 35065 ISL-060-35-36-19960101 ISL-060-19960101 35 - 36 N	AIP MNOP Site ISL-063 35065 ISL-063-1-2-19960101 ISL-063-19960101 1 - 2 N	AIP MNOP Site ISL-063 35065 ISL-063-40-41-19960101 ISL-063-19960101 40 - 41 N	AIP MNOP Site ISL-069 35796.5 ISL-69-A-SURF-19980101 ISL-069-19980101 0 - 1 FD
					< 7.36 U
					< 7.36 U
					< 7.36 U
					< 7.36 U
					< 7.36 UJ
					< 7.36 U
< 0.092 U	< 0.094 U	< 0.088 U	< 0.092 U	< 0.086 U	< 7.36 U
					< 7.36 U
					< 7.36 U
					< 7.36 U
					< 7.36 U
< 0.17 U	**0.17 J**	< 0.16 U	< 0.17 U	< 0.16 U	< 7.36 U
					< 7.36 U
					< 7.36 U
< 0.0012 U	< 0.0012 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 7.36 U
< 0.1 U	**0.22**	< 0.097 U	< 0.1 U	< 0.096 U	< 7.36 U
< 0.15 U	**0.15 J**	< 0.14 U	< 0.15 U	< 0.14 U	< 7.36 U

AIP MNOP Site ISL-069 35796.5 ISL-69-SURF-19980101 ISL-069-19980101 0 - 1 N	AIP MNOP Site ISL-070 35796.5 ISL-70-SURF-19980101 ISL-070-19980101 0 - 1 N	AIP MNOP Site ISL-071 35796.5 ISL-71-SURF-19980101 ISL-071-19980101 0 - 1 N	AIP MNOP Site ISL-072 35796.5 ISL-72-SURF-19980101 ISL-072-19980101 0 - 1 N	AIP MNOP Site ISL-073 35796.5 ISL-73-SURF-19980101 ISL-073-19980101 0 - 1 N	AIP MNOP Site ISL-074 35796.5 ISL-74-SURF-19980101 ISL-074-19980101 0 - 1 N	AIP MNOP Site ISL-081 35796.5 ISL-81-SURF-19980101 ISL-081-19980101 0 - 1 N
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	**0.0431 J**	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.38300 U	< 0.367 U	< 0.364 U	**0.0916 J**	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	**0.0576 J**	**0.155 J**	< 0.381 U
< 14.2 U	< 0.383 UJ	< 0.367 U	**0.0339 J**	**0.26 J**	**0.365**	< 0.381 U
< 14.2 U	< 0.383 U	**0.0765 J**	< 0.364 U	**0.649**	**0.374**	< 0.381 U
< 14.2 U	< 0.383 U	**0.143 J**	< 0.364 U	< 0.48 U	**0.91**	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	**0.43 J**	**0.182 J**	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	**0.0172 J**	**1.43**	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	**0.0424 J**	**0.467 J**	**0.634**	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	**0.0651 J**	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	**0.071 J**	**0.057 J**	**0.245 J**	**0.894**	**0.0239 J**
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	**0.069 J**	< 0.364 U	**0.531**	**0.25 J**	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	**0.0201 J**	**0.037 J**	**0.08919 J**	**0.114 J**	< 0.381 U
< 14.2 U	< 0.383 U	**0.0736 J**	**0.0544 J**	**0.388 J**	**1.06**	**0.0273 J**

AIP MNOP Site ISL-089 35796.5 ISL-89-SURF-19980101 ISL-089-19980101 0 - 1 N	AIP MNOP Site ISL-113 35796 ISL-113-SURFACE-19980101 ISL-113-19980101 0 - 1 N	AIP MNOP Site ISL-114 35796.5 ISL-114-SURF-19980101 ISL-114-19980101 - N	AIP MNOP Site ISL-126 35796.5 ISL-126-01-SUBSURF-19980101 ISL-126-19980101 0 - 2 FD	AIP MNOP Site ISL-127 35796.5 ISL-127-SURF-19980101 ISL-127-19980101 0 - 1 N	AIP MNOP Site ISL-128 35796.5 ISL-128-SURF-19980101 ISL-128-19980101 0 - 1 N
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	**0.0377 J**	**0.166 J**	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	**0.428**	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	**0.247 J**	**0.353 J**	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	**0.333 J**	**0.545**	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	**0.214 J**	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	**0.166 J**	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	**0.444**	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	**0.546 J**	**0.786**	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	**0.0466 J**	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	**0.236 J**	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	**0.278 J**	**0.672**	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	**0.509 J**	**0.756**	< 0.368 U	< 0.374 U	< 0.383 U

AWI AWI AWI213 39946.41319 R4-C092302-45 AWI213-20090513 0 - 0 N	AWI AWI AWI213 39946.42708 R4-C092302-44 AWI213-20090513 0 - 0 N	AWI AWI AWI214 39946.44097 R4-C092302-47 AWI214-20090513 0 - 0 N	AWI AWI AWI214 39946.45139 R4-C092302-46 AWI214-20090513 0 - 0 N	AWI AWI AWI215 39946.47222 R4-C092302-49 AWI215-20090513 0 - 0 N	AWI AWI AWI215 39946.48264 R4-C092302-48 AWI215-20090513 0 - 0 N	AWI AWI AWI216 39946.5 R4-C092302-51 AWI216-20090513 0 - 0 N	AWI AWI AWI216 39946.51042 R4-C092302-50 AWI216-20090513 0 - 0 N
< 0.22 U	**0.025 J,O**	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	**0.08 J,O**	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	**0.092 J,O**	< 0.22 U	< 2.2 U	< 2.5 U	**0.029 J,O**	< 7.9 U	< 2.7 U
0.13 J,O	**0.49 J,O**	**0.2 J,O**	**0.41 J,O**	**1.2 J,O**	**1.2**	< 7.9 U	**0.33 J,O**
0.25	**0.6 J,O**	**0.46**	**1.1 J,O**	**3.6**	**3.5**	< 7.9 U	**0.99 J,O**
0.13 J,O	**0.51 J,O**	**0.19 J,O**	< 2.2 U	**1.1 J,O**	< 0.28 U	< 7.9 U	**0.39 J,O**
0.44	**0.88 J,O**	**0.78**	**2.1 J,O**	**6.8**	**5.1**	< 7.9 U	**2.1 J,O**
0.07 J,O	**0.34 J,O**	**0.089 J,O**	< 2.2 U	**0.49 J,O**	**1.2**	< 7.9 U	< 2.7 U
0.21 J,O	**0.6 J,O**	**0.38**	**0.73 J,O**	**2.3 J,O**	**2.1**	< 7.9 U	**0.51 J,O**
0.097 J,O	**0.25 J,O**	**0.18 J,O**	< 2.2 U	**1.3 J,O**	**0.87**	< 7.9 U	< 2.7 U
0.16 J,O	**1.1 J,O**	**0.16 J,O**	< 2.2 U	< 2.5 U	**0.11 J,O**	< 7.9 U	< 2.7 U
< 0.22 U	**0.072 J,O**	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
0.16 J,O	**0.51 J,O**	**0.25**	< 2.2 U	**1.6 J,O**	**1.4**	< 7.9 U	< 2.7 U
< 0.22 U	**0.035 J,O**	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
0.084 J,O	**0.89**	**0.089 J,O**	< 2.2 U	< 2.5 U	**0.16 J,O**	< 7.9 U	< 2.7 U
0.18 J,O	**0.89 J,O**	**0.2 J,O**	**0.33 J,O**	**0.74 J,O**	**0.76**	< 7.9 U,J,O	< 2.7 U

FML LANDFILL OU2 FML300 39945.46528 R4-C092302-81 FML300-20090512 0 - 0 N	FML LANDFILL OU2 FML300 39945.47222 R4-C092302-80 FML300-20090512 0 - 0 N	FML LANDFILL OU2 FML301 39945.48958 R4-C092302-83 FML301-20090512 0 - 0 N	FML LANDFILL OU2 FML301 39945.49653 R4-C092302-82 FML301-20090512 0 - 0 N	FML LANDFILL OU2 FML302 39947.58333 R4-C092302-85 FML302-20090514 0 - 0 N	FML LANDFILL OU2 FML302 39947.59028 R4-C092302-84 FML302-20090514 0 - 0 N	FML LANDFILL OU2 FML303 39947.61458 R4-C092302-87 FML303-20090514 0 - 0 N	FML LANDFILL OU2 FML303 39947.625 R4-C092302-86 FML303-20090514 0 - 0 N	FML LANDFILL OU2 FML304 39948.47222 R4-C092302-89 FML304-20090515 0 - 0 N
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U,J,O	< 0.19 U,J,O	**0.051 J,O**	< 0.19 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.22 U,J,O	< 0.21 U,J,O	< 5.5 U
0.11 J,O	< 0.19 U	**0.35**	**0.17 J,O**	**0.058 J,O**	< 0.19 U	**0.13 J,O**	**0.047 J,O**	< 5.5 U
0.12 J,O	< 0.19 U	**0.56**	**0.31**	**0.075 J,O**	< 0.19 U	**0.18 J,O**	**0.05 J,O**	**0.89 J,O**
0.14 J,O	< 0.19 U	**0.52**	**0.15 J,O**	**0.079 J,O**	< 0.19 U	**0.28**	**0.082 J,O**	< 5.5 U
< 0.2 U	< 0.19 U	**0.27**	**0.18 J,O**	< 0.2 U	< 0.19 U	**0.12 J,O**	< 0.21 U	**1.3 J,O**
0.13 J,O	< 0.19 U	**0.29**	**0.081 J,O**	**0.059 J,O**	< 0.19 U	**0.19 J,O**	< 0.21 U	< 5.5 U
0.13 J,O	< 0.19 U	**0.56**	**0.27**	**0.082 J,O**	< 0.19 U	**0.2 J,O**	**0.078 J,O**	**0.69 J,O**
< 0.2 U	< 0.19 U	**0.069 J,O**	< 0.19 U	< 0.2 U	< 0.19 U	**0.049 J,O**	< 0.21 U	< 5.5 U
0.24	< 0.19 U	**0.48**	**0.11 J,O**	**0.12 J,O**	< 0.19 U	**0.25**	**0.11 J,O**	< 5.5 U
< 0.2 U,J,O	< 0.19 U,J,O	< 0.23 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.22 U,J,O	< 0.21 U,J,O	< 5.5 U
0.069 J,O	< 0.19 U	**0.16 J,O**	**0.066 J,O**	**0.043 J,O**	< 0.19 U	**0.11 J,O**	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
0.1 J,O	< 0.19 U	**0.21 J,O**	**0.077 J,O**	**0.074 J,O**	< 0.19 U	**0.1 J,O**	**0.061 J,O**	< 5.5 U
< 0.2 U	< 0.19 U	**0.47**	< 0.19 U	< 0.2 U	< 0.19 U	**0.24**	< 0.21 U	< 5.5 U

FML LANDFILL OU2 FML304 39948.47917 R4-C092302-88 FML304-20090515 0 - 0 N	FML LANDFILL OU2 FML305 39948.5 R4-C092302-91 FML305-20090515 0 - 0 N	FML LANDFILL OU2 FML305 39948.51042 R4-C092302-90 FML305-20090515 0 - 0 N	FML LANDFILL OU2 FML306 39945.65625 R4-C092302-93 FML306-20090512 0 - 0 N	FML LANDFILL OU2 FML306 39945.66319 R4-C092302-92 FML306-20090512 0 - 0 N	FML LANDFILL OU2 FML307 39945.67708 R4-C092302-95 FML307-20090512 0 - 0 N	FML LANDFILL OU2 FML307 39945.6875 R4-C092302-94 FML307-20090512 0 - 0 N	FML LANDFILL OU2 FML308 39948.42361 R4-C092302-97 FML308-20090515 0 - 0 N	FML LANDFILL OU2 FML308 39948.43403 R4-C092302-96 FML308-20090515 0 - 0 N
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	**0.095 J,O**	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	**0.12 J,O**	< 0.29 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 5.7 U	< 6.5 U
4 J,O	< 3.3 U	< 2.7 U	**0.41**	**0.21 J,O**	< 0.19 U	< 0.18 U	< 5.7 U	**2.2 J,O**
16	**0.42 J,O**	**0.35 J,O**	**0.54**	**0.67**	< 0.19 U	< 0.18 U	< 5.7 U	**7.1**
3.4 J,O	< 3.3 U	< 2.7 U	**0.77**	**0.35**	< 0.19 U	< 0.18 U	< 5.7 U	**2 J,O**
36	**0.72 J,O**	**0.63 J,O**	**0.15 J,O**	**0.4**	< 0.19 U,J,O	< 0.18 U	**0.96 J,O**	**17**
1.5 J,O	< 3.3 U	< 2.7 U	**0.5**	**0.18 J,O**	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
6.6 J,O	< 3.3 U	< 2.7 U	**0.5**	**0.35 J,O**	< 0.19 U	< 0.18 U	< 5.7 U	**3.2 J,O**
< 7.4 U	< 3.3 U	< 2.7 U	**0.059 J,O**	< 0.29 U	< 0.19 U,J,O	< 0.18 U	< 5.7 U	< 6.5 U
0.77 J,O	< 3.3 U	< 2.7 U	**0.57**	**0.14 J,O**	< 0.19 U	< 0.18 U	< 5.7 U	**0.72 J,O**
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U,J,O	< 0.29 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 5.7 U	< 6.5 U
5.9 J,O	< 3.3 U	< 2.7 U	**0.14 J,O**	**0.11 J,O**	< 0.19 U,J,O	< 0.18 U	< 5.7 U	**2.8 J,O**
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
1.1 J,O	< 3.3 U	< 2.7 U	**0.092 J,O**	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	**0.67 J,O**
5.1 J,O	< 3.3 U	< 2.7 U	**0.51**	< 0.29 U,J,O	< 0.19 U	< 0.18 U	< 5.7 U	**3.4 J,O**

FML LANDFILL OU2 FML309 39948.38542 R4-C092302-99 FML309-20090515 0 - 0 N	FML LANDFILL OU2 FML309 39948.39583 R4-C092302-98 FML309-20090515 0 - 0 N	FML LANDFILL OU2 FML309 39948.40278 R4-C092303-01 FML309-20090515 0 - 0 FD	FML LANDFILL OU2 FML310 39945.51042 R4-C092303-02 FML310-20090512 0 - 0 N
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U,J,O
< 1 U	**2.2 J,O**	< 0.98 U	**0.061 J,O**
< 1 U	**4.8 J,O**	**0.22 J,O**	**0.061 J,O**
< 1 U	**1.3 J,O**	< 0.98 U	**0.075 J,O**
0.32 J,O	**9.7**	**0.37 J,O**	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	**0.061 J,O**
0.15 J,O	**3.2 J,O**	**0.17 J,O**	**0.067 J,O**
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	**0.14 J,O**
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U,J,O
< 1 U	**1.8 J,O**	< 0.98 U	**0.047 J,O**
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	**0.084 J,O**
< 1 U	**2 J,O**	**0.11 J,O**	< 0.2 U

J = estimated concentration

O = qualifier indicating the reported value is estimated due to the presence of interference or quality exception.

Table A3
Soil Sample Results Summary: SVOCs
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

		Subfacility	AIP	AIP	AIP	AIP	AIP
		Area	Background (Site)	Background (Site)	Background (Site)	Background (Site)	Background (Site)
		Location	AIP100	AIP100	ISL-018	ISL-018	ISL-019
		Sample Date	5/14/2009	5/14/2009	1/1/1996	1/1/1996	1/1/1996
		Sample ID	R4-C092301-21	R4-C092301-20	ISL-018-1-2-19960101	ISL-018-55-56-19960101	ISL-019-1-2-19960101
		ERM Sample ID	AIP100-20090514	AIP100-20090514	ISL-018-19960101	ISL-018-19960101	ISL-019-19960101
		Sample Interval	0 - 6	12 - 24	1 - 2	55 - 56	1 - 2
		Sample Type	N	N	N	N	N
Chemical Name	**CAS No.**	**Units**					
SVOCs (mg/kg)							
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	< 0.2 U	< 0.21 U			
2,2-Oxybis(1-chloropropane)	108-60-1	mg/kg					
2,2-Oxybis(2-chloropropane)	39638-32-9	mg/kg	< 0.2 U	< 0.21 U			
2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	< 0.2 U	< 0.21 U			
2,4,5-Trichlorophenol	95-95-4	mg/kg	< 0.2 U	< 0.21 U			
2,4,6-Trichlorophenol	88-06-2	mg/kg	< 0.2 U	< 0.21 U			
2,4-Dichlorophenol	120-83-2	mg/kg	< 0.2 U	< 0.21 U			
2,4-Dimethylphenol	105-67-9	mg/kg	< 0.2 U	< 0.21 U			
2,4-Dinitrophenol	51-28-5	mg/kg	< 0.38 U,J,O	< 0.4 U,J,O			
2,4-Dinitrotoluene	121-14-2	mg/kg	< 0.2 U	< 0.21 U	< 0.024 U	< 0 R	< 0.024 U
2,6-Dinitrotoluene	606-20-2	mg/kg	< 0.2 U	< 0.21 U			
2-Chloronaphthalene	91-58-7	mg/kg	< 0.2 U,J,O	< 0.21 U,J,O			
2-Chlorophenol	95-57-8	mg/kg	< 0.2 U	< 0.21 U			
2-Nitroaniline	88-74-4	mg/kg	< 0.38 U	< 0.4 U			
2-Nitrophenol	88-75-5	mg/kg	< 0.2 U	< 0.21 U			
3,3'-Dichlorobenzidine	91-94-1	mg/kg		< 0.21 U,J,O			
3-Nitroaniline	99-09-2	mg/kg	< 0.38 U	< 0.4 U,J,O			
4-Bromophenyl phenyl ether	101-55-3	mg/kg	< 0.2 U	< 0.21 U			
4-Chloro-3-methylphenol	59-50-7	mg/kg	< 0.2 U	< 0.21 U			
4-Chlorophenyl phenyl ether	7005-72-3	mg/kg	< 0.2 U,J,O	< 0.21 U,J,O			
4-Nitroaniline	100-01-6	mg/kg	< 0.38 U	< 0.4 U			

AIP Background (Site) ISL-019 1/1/1996 ISL-019-70-71-19960101 ISL-019-19960101 70 - 71 N	AIP Background (Site) ISL-061 1/1/1996 ISL-061-1-2-19960101 ISL-061-19960101 1 - 2 N	AIP Background (Site) ISL-062 1/1/1996 ISL-062-1-2-19960101 ISL-062-19960101 1 - 2 N	AIP Background (Site) ISL-062 1/1/1996 ISL-062-15-16-19960101 ISL-062-19960101 15 - 16 N	AIP MNOP Site AIP101 5/12/2009 R4-C092301-23 AIP101-20090512 0 - 6 N	AIP MNOP Site AIP101 5/12/2009 R4-C092301-22 AIP101-20090512 12 - 24 N	AIP MNOP Site AIP102 5/12/2009 R4-C092301-25 AIP102-20090512 0 - 6 N
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.37 U,J,O	< 0.38 U,J,O	< 0.37 U,J,O
< 0.024 U				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.37 U	< 0.38 U	< 0.37 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U,J,O
				< 0.37 U	< 0.38 U	< 0.37 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O
				< 0.37 U	< 0.38 U	< 0.37 U

AIP MNOP Site AIP102 5/12/2009 R4-C092301-24 AIP102-20090512 12 - 24 N	AIP MNOP Site AIP103 5/12/2009 R4-C092301-27 AIP103-20090512 0 - 6 N	AIP MNOP Site AIP103 5/12/2009 R4-C092301-26 AIP103-20090512 12 - 24 N	AIP MNOP Site AIP104 5/12/2009 R4-C092301-30 AIP104-20090512 0 - 6 N	AIP MNOP Site AIP104 5/12/2009 R4-C092301-28 AIP104-20090512 12 - 24 N	AIP MNOP Site AIP104 5/12/2009 R4-C092301-29 AIP104-20090512 12 - 24 FD	AIP MNOP Site AIP105 5/12/2009 R4-C092301-31 AIP105-20090512 12 - 24 N	AIP MNOP Site AIP105 5/12/2009 R4-C092301-32 AIP105-20090512 0 - 6 N	AIP MNOP Site AIP106 5/11/2009 R4-C092301-34 AIP106-20090511 0 - 6 N
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.37 U,J,O	< 0.38 U	< 0.4 U,J,O	< 0.38 U	< 0.38 U	< 0.38 U,J,O	< 0.38 U	< 0.35 U	< 0.38 U,J,O
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.18 U,J,O	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.37 U	< 0.38 U	< 0.4 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.38 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U,J,O	< 0.2 U	< 0.2 U,J,O	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U,J,O	< 0.19 U
< 0.37 U	< 0.38 U	< 0.4 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.38 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U,J,O	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.18 U,J,O	< 0.19 U
< 0.37 U	< 0.38 U	< 0.4 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.38 U

AIP MNOP Site AIP106 5/11/2009 R4-C092301-33 AIP106-20090511 12 - 24 N	AIP MNOP Site AIP107 5/11/2009 R4-C092301-36 AIP107-20090511 0 - 6 N	AIP MNOP Site AIP107 5/11/2009 R4-C092301-35 AIP107-20090511 12 - 24 N	AIP MNOP Site AIP108 5/11/2009 R4-C092301-38 AIP108-20090511 0 - 6 N	AIP MNOP Site AIP108 5/11/2009 R4-C092301-37 AIP108-20090511 12 - 24 N	AIP MNOP Site AIP109 5/11/2009 R4-C092301-40 AIP109-20090511 0 - 6 N	AIP MNOP Site AIP109 5/11/2009 R4-C092301-39 AIP109-20090511 12 - 24 N	AIP MNOP Site AIP110 5/11/2009 R4-C092301-42 AIP110-20090511 0 - 6 N	AIP MNOP Site AIP110 5/11/2009 R4-C092301-41 AIP110-20090511 12 - 24 N
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.36 U,J,O	< 0.38 U,J,O	< 0.38 U,J,O	< 0.36 U,J,O	< 0.38 U,J,O	< 0.37 U,J,O	< 0.39 U,J,O	< 0.35 U,J,O	< 0.37 U,J,O
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.36 U	< 0.38 U	< 0.38 U	< 0.36 U	< 0.38 U	< 0.37 U	< 0.39 U	< 0.35 U	< 0.37 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.36 U	< 0.38 U	< 0.38 U	< 0.36 U	< 0.38 U	< 0.37 U	< 0.39 U	< 0.35 U	< 0.37 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.36 U	< 0.38 U	< 0.38 U	< 0.36 U	< 0.38 U	< 0.37 U	< 0.39 U	< 0.35 U	< 0.37 U

AIP MNOP Site AIP111 5/14/2009 R4-C092301-44 AIP111-20090514 0 - 6 N	AIP MNOP Site AIP111 5/14/2009 R4-C092301-43 AIP111-20090514 12 - 24 N	AIP MNOP Site AIP112 5/14/2009 R4-C092301-46 AIP112-20090514 0 - 6 N	AIP MNOP Site AIP112 5/14/2009 R4-C092301-45 AIP112-20090514 12 - 24 N	AIP MNOP Site AIP113 5/14/2009 R4-C092301-48 AIP113-20090514 0 - 6 N	AIP MNOP Site AIP113 5/14/2009 R4-C092301-47 AIP113-20090514 12 - 24 N	AIP MNOP Site AIP114 5/14/2009 R4-C092301-50 AIP114-20090514 0 - 6 N	AIP MNOP Site AIP114 5/14/2009 R4-C092301-49 AIP114-20090514 12 - 24 N	AIP MNOP Site AIP115 5/14/2009 R4-C092301-52 AIP115-20090514 0 - 6 N
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.36 U,J,O	< 0.36 U,J,O	< 0.39 U	< 0.41 U	< 0.37 U	< 0.36 U	< 0.36 U	< 0.38 U	< 0.36 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O	< 0.21 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.36 U	< 0.36 U	< 0.39 U	< 0.41 U	< 0.37 U	< 0.36 U	< 0.36 U	< 0.38 U	< 0.36 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U,J,O	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.36 U	< 0.36 U	< 0.39 U	< 0.41 U	< 0.37 U	< 0.36 U	< 0.36 U	< 0.38 U	< 0.36 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O	< 0.21 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O
< 0.36 U	< 0.36 U	< 0.39 U	< 0.41 U	< 0.37 U	< 0.36 U	< 0.36 U	< 0.38 U	< 0.36 U

AIP MNOP Site AIP115 5/14/2009 R4-C092301-51 AIP115-20090514 12 - 24 N	AIP MNOP Site AIP116 5/13/2009 R4-C092301-54 AIP116-20090513 0 - 6 N	AIP MNOP Site AIP116 5/13/2009 R4-C092301-53 AIP116-20090513 12 - 24 N	AIP MNOP Site AIP117 5/13/2009 R4-C092301-56 AIP117-20090513 0 - 6 N	AIP MNOP Site AIP117 5/13/2009 R4-C092301-55 AIP117-20090513 12 - 24 N	AIP MNOP Site AIP118 5/13/2009 R4-C092301-58 AIP118-20090513 0 - 6 N	AIP MNOP Site AIP118 5/13/2009 R4-C092301-57 AIP118-20090513 12 - 24 N	AIP MNOP Site AIP119 5/13/2009 R4-C092301-60 AIP119-20090513 0 - 6 N	AIP MNOP Site AIP119 5/13/2009 R4-C092301-59 AIP119-20090513 12 - 24 N
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.38 U	< 0.35 U,J,O	< 0.35 U,J,O	< 0.36 U,J,O	< 0.37 U,J,O	< 0.34 U,J,O	< 0.35 U,J,O	< 0.35 U,J,O	< 0.37 U,J,O
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U,J,O	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.38 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.34 U	< 0.35 U	< 0.35 U	< 0.37 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.38 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.34 U	< 0.35 U	< 0.35 U	< 0.37 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U,J,O	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.38 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.34 U	< 0.35 U	< 0.35 U	< 0.37 U

AIP MNOP Site AIP120 5/13/2009 R4-C092301-62 AIP120-20090513 0 - 6 N	AIP MNOP Site AIP120 5/13/2009 R4-C092301-61 AIP120-20090513 12 - 24 N	AIP MNOP Site AIP121 5/13/2009 R4-C092301-64 AIP121-20090513 0 - 6 N	AIP MNOP Site AIP121 5/13/2009 R4-C092301-63 AIP121-20090513 12 - 24 N	AIP MNOP Site AIP122 5/13/2009 R4-C092301-66 AIP122-20090513 0 - 6 N	AIP MNOP Site AIP122 5/13/2009 R4-C092301-65 AIP122-20090513 12 - 24 N	AIP MNOP Site AIP123 5/13/2009 R4-C092301-68 AIP123-20090513 0 - 6 N	AIP MNOP Site AIP123 5/13/2009 R4-C092301-67 AIP123-20090513 12 - 24 N	AIP MNOP Site AIP124 5/13/2009 R4-C092301-70 AIP124-20090513 0 - 6 N
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.35 U,J,O	< 0.35 U,J,O	< 0.35 U,J,O	< 0.37 U,J,O	< 0.34 U,J,O	< 0.39 U,J,O	< 0.37 U,J,O	< 0.38 U,J,O	< 0.36 U,J,O
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.34 U	< 0.39 U	< 0.37 U	< 0.38 U	< 0.36 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.34 U	< 0.39 U	< 0.37 U	< 0.38 U	< 0.36 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.34 U	< 0.39 U	< 0.37 U	< 0.38 U	< 0.36 U

AIP MNOP Site AIP124 5/13/2009 R4-C092301-69 AIP124-20090513 12 - 24 N	AIP MNOP Site AIP125 5/13/2009 R4-C092301-72 AIP125-20090513 0 - 6 N	AIP MNOP Site AIP125 5/13/2009 R4-C092301-71 AIP125-20090513 12 - 24 N	AIP MNOP Site AIP126 5/12/2009 R4-C092301-74 AIP126-20090512 0 - 6 N	AIP MNOP Site AIP126 5/12/2009 R4-C092301-73 AIP126-20090512 12 - 24 N	AIP MNOP Site AIP127 5/12/2009 R4-C092301-76 AIP127-20090512 0 - 6 N	AIP MNOP Site AIP127 5/12/2009 R4-C092301-75 AIP127-20090512 12 - 24 N	AIP MNOP Site AIP128 5/12/2009 R4-C092301-78 AIP128-20090512 0 - 6 N	AIP MNOP Site AIP128 5/12/2009 R4-C092301-77 AIP128-20090512 12 - 24 N
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.35 U,J,O	< 0.35 U,J,O	< 0.37 U,J,O	< 0.36 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.36 U	< 0.38 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.35 U	< 0.35 U	< 0.37 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.36 U	< 0.38 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U,J,O	< 0.18 U		< 0.19 U	< 0.18 U,J,O	< 0.2 U
< 0.35 U	< 0.35 U	< 0.37 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.36 U	< 0.38 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O
< 0.35 U	< 0.35 U	< 0.37 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.36 U	< 0.38 U

AIP MNOP Site AIP129 5/12/2009 R4-C092301-80 AIP129-20090512 0 - 6 N	AIP MNOP Site AIP129 5/12/2009 R4-C092301-79 AIP129-20090512 12 - 24 N	AIP MNOP Site AIP130 5/12/2009 R4-C092301-82 AIP130-20090512 0 - 6 N	AIP MNOP Site AIP130 5/12/2009 R4-C092301-81 AIP130-20090512 12 - 24 N	AIP MNOP Site AIP131 5/12/2009 R4-C092301-83 AIP131-20090512 12 - 24 N	AIP MNOP Site AIP131 5/12/2009 R4-C092301-84 AIP131-20090512 0 - 6 N	AIP MNOP Site AIP132 5/12/2009 R4-C092301-87 AIP132-20090512 0 - 6 FD	AIP MNOP Site AIP132 5/12/2009 R4-C092301-85 AIP132-20090512 12 - 24 N	AIP MNOP Site AIP132 5/12/2009 R4-C092301-86 AIP132-20090512 0 - 6 N
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.34 U,J,O	< 0.38 U,J,O	< 0.46 U,J,O	< 0.38 U,J,O	< 0.41 U,J,O	< 0.35 U,J,O	< 8.6 U	< 0.38 U,J,O	< 0.37 U,J,O
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U,J,O	< 0.19 U,J,O	< 0.24 U,J,O	< 0.19 U,J,O	< 0.21 U,J,O	< 0.18 U,J,O	< 4.4 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.34 U	< 0.38 U	< 0.46 U	< 0.38 U	< 0.41 U	< 0.35 U	< 8.6 U	< 0.38 U	< 0.37 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U,J,O	< 4.4 U,J,O	< 0.19 U	< 0.19 U,J,O
< 0.34 U	< 0.38 U	< 0.46 U	< 0.38 U	< 0.41 U	< 0.35 U	< 8.6 U,J,O	< 0.38 U	< 0.37 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U,J,O	< 0.19 U,J,O	< 0.24 U,J,O	< 0.19 U,J,O	< 0.21 U,J,O	< 0.18 U,J,O	< 4.4 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O
< 0.34 U	< 0.38 U	< 0.46 U	< 0.38 U	< 0.41 U	< 0.35 U	< 8.6 U,J,O	< 0.38 U	< 0.37 U

AIP MNOP Site AIP133 5/12/2009 R4-C092301-89 AIP133-20090512 0 - 6 N	AIP MNOP Site AIP133 5/12/2009 R4-C092301-88 AIP133-20090512 12 - 24 N	AIP MNOP Site AIP134 5/14/2009 R4-C092301-92 AIP134-20090514 0 - 6 N	AIP MNOP Site AIP134 5/14/2009 R4-C092301-90 AIP134-20090514 12 - 24 N	AIP MNOP Site AIP134 5/14/2009 R4-C092301-91 AIP134-20090514 12 - 24 FD	AIP MNOP Site AIP135 5/14/2009 R4-C092301-94 AIP135-20090514 0 - 6 N	AIP MNOP Site AIP135 5/14/2009 R4-C092301-93 AIP135-20090514 12 - 24 N	AIP MNOP Site AIP136 5/14/2009 R4-C092301-96 AIP136-20090514 0 - 6 N	AIP MNOP Site AIP136 5/14/2009 R4-C092301-95 AIP136-20090514 12 - 24 N
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.37 U,J,O	< 0.38 U,J,O	< 0.38 U	< 0.38 U	< 0.37 U	< 0.35 U,J,O	< 0.36 U	< 0.39 U,J,O	< 0.38 U,J,O
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.37 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.37 U	< 0.35 U	< 0.36 U	< 0.39 U	< 0.38 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
	< 0.2 U,J,O		< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U		< 0.2 U
< 0.37 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.37 U	< 0.35 U,J,O	< 0.36 U	< 0.39 U,J,O	< 0.38 U,J,O
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O
< 0.37 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.37 U	< 0.35 U	< 0.36 U	< 0.39 U	< 0.38 U

AIP MNOP Site AIP137 5/14/2009 R4-C092301-98 AIP137-20090514 0 - 6 N	AIP MNOP Site AIP137 5/14/2009 R4-C092301-97 AIP137-20090514 12 - 24 N	AIP MNOP Site AIP138 5/12/2009 R4-C092302-01 AIP138-20090512 0 - 6 N	AIP MNOP Site AIP138 5/12/2009 R4-C092301-99 AIP138-20090512 12 - 24 N	AIP MNOP Site AIP139 5/12/2009 R4-C092302-03 AIP139-20090512 0 - 6 N	AIP MNOP Site AIP139 5/12/2009 R4-C092302-02 AIP139-20090512 12 - 24 N	AIP MNOP Site AIP140 5/13/2009 R4-C092302-06 AIP140-20090513 0 - 6 N	AIP MNOP Site AIP140 5/13/2009 R4-C092302-04 AIP140-20090513 12 - 24 N	AIP MNOP Site AIP140 5/13/2009 R4-C092302-05 AIP140-20090513 12 - 24 FD
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.41 U,J,O	< 0.43 U,J,O	< 0.36 U,J,O	< 0.37 U,J,O	< 0.38 U,J,O	< 0.36 U,J,O	< 0.36 U,J,O	< 0.38 U,J,O	< 0.37 U,J,O
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U,J,O	< 0.22 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.18 U,J,O	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.41 U	< 0.43 U	< 0.36 U	< 0.37 U	< 0.38 U	< 0.36 U	< 0.36 U	< 0.38 U	< 0.37 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
		< 0.19 U	< 0.19 U	< 0.2 U,J,O	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.41 U,J,O	< 0.43 U,J,O	< 0.36 U	< 0.37 U	< 0.38 U	< 0.36 U	< 0.36 U	< 0.38 U	< 0.37 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U,J,O	< 0.22 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.18 U,J,O	< 0.18 U	< 0.2 U	< 0.19 U
< 0.41 U	< 0.43 U	< 0.36 U	< 0.37 U	< 0.38 U	< 0.36 U	< 0.36 U	< 0.38 U	< 0.37 U

AIP MNOP Site AIP141 5/13/2009 R4-C092302-08 AIP141-20090513 0 - 6 N	AIP MNOP Site AIP141 5/13/2009 R4-C092302-07 AIP141-20090513 12 - 24 N	AIP MNOP Site AIP142 5/14/2009 R4-C092302-10 AIP142-20090514 0 - 6 N	AIP MNOP Site AIP142 5/14/2009 R4-C092302-09 AIP142-20090514 12 - 24 N	AIP MNOP Site ISL-001 1/1/1996 ISL-001-1-2-19960101 ISL-001-19960101 1 - 2 N	AIP MNOP Site ISL-001 1/1/1996 ISL-001-15-16-19960101 ISL-001-19960101 15 - 16 N	AIP MNOP Site ISL-002 1/1/1996 ISL-002-1-2-19960101 ISL-002-19960101 1 - 2 N
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.37 U,J,O	< 0.38 U,J,O	< 0.36 U,J,O	< 0.37 U,J,O			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.024 U	< 0.024 U	< 0.024 U
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U,J,O	< 0.19 U,J,O			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.37 U	< 0.38 U	< 0.36 U	< 0.37 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U,J,O	< 0.19 U			
< 0.37 U	< 0.38 U	< 0.36 U,J,O	< 0.37 U,J,O			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U,J,O	< 0.19 U,J,O			
< 0.37 U	< 0.38 U	< 0.36 U	< 0.37 U			

AIP MNOP Site ISL-002 1/1/1996 ISL-002-35-36-19960101 ISL-002-19960101 35 - 36 N	AIP MNOP Site ISL-002 1/1/1996 ISL-002A DUP-1-2-19960101 ISL-002-19960101 1 - 2 FD	AIP MNOP Site ISL-003 1/1/1996 ISL-003-1-2-19960101 ISL-003-19960101 1 - 2 N	AIP MNOP Site ISL-003 1/1/1996 ISL-003-30-31-19960101 ISL-003-19960101 30 - 31 N	AIP MNOP Site ISL-004 1/1/1996 ISL-004-1-3-19960101 ISL-004-19960101 1 - 3 N	AIP MNOP Site ISL-004 1/1/1996 ISL-004A DUP-1-3-19960101 ISL-004-19960101 1 - 3 FD
< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U

AIP MNOP Site ISL-005 1/1/1996 ISL-005-1-2-19960101 ISL-005-19960101 1 - 2 N	AIP MNOP Site ISL-005 1/1/1996 ISL-005-40-41-19960101 ISL-005-19960101 40 - 41 N	AIP MNOP Site ISL-006 1/1/1996 ISL-006-1-2-19960101 ISL-006-19960101 1 - 2 N	AIP MNOP Site ISL-006 1/1/1996 ISL-006-45-46-19960101 ISL-006-19960101 45 - 46 N	AIP MNOP Site ISL-007 1/1/1996 ISL-007-0-2-19960101 ISL-007-19960101 0 - 2 N	AIP MNOP Site ISL-007 1/1/1996 ISL-007-1-2-19960101 ISL-007-19960101 1 - 2 N	AIP MNOP Site ISL-008 1/1/1996 ISL-008-0-2-19960101 ISL-008-19960101 0 - 2 N
< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.031 U

AIP MNOP Site ISL-008 1/1/1996 ISL-008-9-11-19960101 ISL-008-19960101 9 - 11 N	AIP MNOP Site ISL-009 1/1/1996 ISL-009-0-2-19960101 ISL-009-19960101 0 - 2 N	AIP MNOP Site ISL-009 1/1/1996 ISL-009-9-11-19960101 ISL-009-19960101 9 - 11 N	AIP MNOP Site ISL-010 1/1/1996 ISL-010-0-2-19960101 ISL-010-19960101 0 - 2 N	AIP MNOP Site ISL-010 1/1/1996 ISL-010-14-16-19960101 ISL-010-19960101 14 - 16 N	AIP MNOP Site ISL-011 1/1/1996 ISL-011-0-2-19960101 ISL-011-19960101 0 - 2 N	AIP MNOP Site ISL-011 1/1/1996 ISL-011-14-16-19960101 ISL-011-19960101 14 - 16 N
< 0.031 U	< 0.03 U	< 0.03 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U

AIP MNOP Site ISL-012 1/1/1996 ISL-012-1-2-19960101 ISL-012-19960101 1 - 2 N	AIP MNOP Site ISL-012 1/1/1996 ISL-012-35-36-19960101 ISL-012-19960101 35 - 36 N	AIP MNOP Site ISL-013 1/1/1996 ISL-013-0-2-19960101 ISL-013-19960101 0 - 2 N	AIP MNOP Site ISL-013 1/1/1996 ISL-013-24-26-19960101 ISL-013-19960101 24 - 26 N	AIP MNOP Site ISL-014 1/1/1996 ISL-014-0.5-2-19960101 ISL-014-19960101 0.5 - 2 N	AIP MNOP Site ISL-014 1/1/1996 ISL-014-35-36.5-19960101 ISL-014-19960101 35 - 36.5 N
	< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U

AIP MNOP Site ISL-015 1/1/1996 ISL-015-1-2-19960101 ISL-015-19960101 1 - 2 N	AIP MNOP Site ISL-015 1/1/1996 ISL-015-25-26-19960101 ISL-015-19960101 25 - 26 N	AIP MNOP Site ISL-016 1/1/1996 ISL-016-1-2-19960101 ISL-016-19960101 1 - 2 N	AIP MNOP Site ISL-016 1/1/1996 ISL-016-30-31-19960101 ISL-016-19960101 30 - 31 N	AIP MNOP Site ISL-017 1/1/1996 ISL-017-1-2-19960101 ISL-017-19960101 1 - 2 N	AIP MNOP Site ISL-017 1/1/1996 ISL-017-20-21-19960101 ISL-017-19960101 20 - 21 N	AIP MNOP Site ISL-020 1/1/1996 ISL-020-1-2-19960101 ISL-020-19960101 1 - 2 N
< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	

AIP MNOP Site ISL-020 1/1/1996 ISL-020A DUP-1-2-19960101 ISL-020-19960101 1 - 2 FD	AIP MNOP Site ISL-021 1/1/1996 ISL-021-1-2-19960101 ISL-021-19960101 1 - 2 N	AIP MNOP Site ISL-021 1/1/1996 ISL-021-40-41-19960101 ISL-021-19960101 40 - 41 N	AIP MNOP Site ISL-022 1/1/1996 ISL-022-1-2-19960101 ISL-022-19960101 1 - 2 N	AIP MNOP Site ISL-022 1/1/1996 ISL-022-15-16-19960101 ISL-022-19960101 15 - 16 N	AIP MNOP Site ISL-022 1/1/1996 ISL-022A DUP-1-2-19960101 ISL-022-19960101 1 - 2 FD

AIP MNOP Site ISL-023 1/1/1996 ISL-023-1-2-19960101 ISL-023-19960101 1 - 2 N	AIP MNOP Site ISL-023 1/1/1996 ISL-023-15-16-19960101 ISL-023-19960101 15 - 16 N	AIP MNOP Site ISL-024 1/1/1996 ISL-024-1-2-19960101 ISL-024-19960101 1 - 2 N	AIP MNOP Site ISL-024 1/1/1996 ISL-024-30-31-19960101 ISL-024-19960101 30 - 31 N	AIP MNOP Site ISL-025 1/1/1996 ISL-025-1-2-19960101 ISL-025-19960101 1 - 2 N	AIP MNOP Site ISL-025 1/1/1996 ISL-025-25-26-19960101 ISL-025-19960101 25 - 26 N	AIP MNOP Site ISL-026 1/1/1996 ISL-026-1-2-19960101 ISL-026-19960101 1 - 2 N
		< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U

AIP MNOP Site ISL-026 1/1/1996 ISL-026-35-37-19960101 ISL-026-19960101 35 - 37 N	AIP MNOP Site ISL-026 1/1/1996 ISL-026A DUP-1-2-19960101 ISL-026-19960101 1 - 2 FD	AIP MNOP Site ISL-026 1/1/1996 ISL-026A DUP-35-37-19960101 ISL-026-19960101 35 - 37 FD	AIP MNOP Site ISL-027 1/1/1996 ISL-027-1-2-19960101 ISL-027-19960101 1 - 2 N	AIP MNOP Site ISL-027 1/1/1996 ISL-027-30-31-19960101 ISL-027-19960101 30 - 31 N	AIP MNOP Site ISL-028 1/1/1996 ISL-028-1-2-19960101 ISL-028-19960101 1 - 2 N
< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U

AIP MNOP Site ISL-028 1/1/1996 ISL-028-35-36-19960101 ISL-028-19960101 35 - 36 N	AIP MNOP Site ISL-029 1/1/1996 ISL-029-1-2-19960101 ISL-029-19960101 1 - 2 N	AIP MNOP Site ISL-029 1/1/1996 ISL-029-35-36-19960101 ISL-029-19960101 35 - 36 N	AIP MNOP Site ISL-030 1/1/1996 ISL-030-1-2-19960101 ISL-030-19960101 1 - 2 N	AIP MNOP Site ISL-030 1/1/1996 ISL-030-35-36-19960101 ISL-030-19960101 35 - 36 N	AIP MNOP Site ISL-031 1/1/1996 ISL-031-0-2-19960101 ISL-031-19960101 0 - 2 N
< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U

AIP MNOP Site ISL-031 1/1/1996 ISL-031-14-16-19960101 ISL-031-19960101 14 - 16 N	AIP MNOP Site ISL-032 1/1/1996 ISL-032-0-2-19960101 ISL-032-19960101 0 - 2 N	AIP MNOP Site ISL-032 1/1/1996 ISL-032-14-16-19960101 ISL-032-19960101 14 - 16 N	AIP MNOP Site ISL-033 1/1/1996 ISL-033-1-2-19960101 ISL-033-19960101 1 - 2 N	AIP MNOP Site ISL-033 1/1/1996 ISL-033-25-26-19960101 ISL-033-19960101 25 - 26 N	AIP MNOP Site ISL-034 1/1/1996 ISL-034-0-2-19960101 ISL-034-19960101 0 - 2 N
< 0.031 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U

AIP MNOP Site ISL-034 1/1/1996 ISL-034-14-16-19960101 ISL-034-19960101 14 - 16 N	AIP MNOP Site ISL-035 1/1/1996 ISL-035-0-2-19960101 ISL-035-19960101 0 - 2 N	AIP MNOP Site ISL-035 1/1/1996 ISL-035-19-21-19960101 ISL-035-19960101 19 - 21 N	AIP MNOP Site ISL-035 1/1/1996 ISL-035D DUP-0-2-19960101 ISL-035-19960101 0 - 2 FD	AIP MNOP Site ISL-036 1/1/1996 ISL-036-1-2-19960101 ISL-036-19960101 1 - 2 N	AIP MNOP Site ISL-036 1/1/1996 ISL-036-45-46-19960101 ISL-036-19960101 45 - 46 N
< 0.031 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0 R	< 0 R

AIP MNOP Site ISL-037 1/1/1996 ISL-037 DUP-1-2-19960101 ISL-037-19960101 1 - 2 FD	AIP MNOP Site ISL-037 1/1/1996 ISL-037 DUP-40-41-19960101 ISL-037-19960101 40 - 41 FD	AIP MNOP Site ISL-037 1/1/1996 ISL-037-1-2-19960101 ISL-037-19960101 1 - 2 N	AIP MNOP Site ISL-037 1/1/1996 ISL-037-40-41-19960101 ISL-037-19960101 40 - 41 N	AIP MNOP Site ISL-038 1/1/1996 ISL-038-1-2-19960101 ISL-038-19960101 1 - 2 N	AIP MNOP Site ISL-038 1/1/1996 ISL-038-40-41-19960101 ISL-038-19960101 40 - 41 N
< 0 R	< 0.024 U	< 0 R	< 0.024 U	< 0 R	< 0 R

AIP MNOP Site ISL-039 1/1/1996 ISL-039-1-2-19960101 ISL-039-19960101 1 - 2 N	AIP MNOP Site ISL-039 1/1/1996 ISL-039-40-41-19960101 ISL-039-19960101 40 - 41 N	AIP MNOP Site ISL-040 1/1/1996 ISL-040-1-2-19960101 ISL-040-19960101 1 - 2 N	AIP MNOP Site ISL-040 1/1/1996 ISL-040-30-31-19960101 ISL-040-19960101 30 - 31 N	AIP MNOP Site ISL-041 1/1/1996 ISL-041-1-2-19960101 ISL-041-19960101 1 - 2 N	AIP MNOP Site ISL-041 1/1/1996 ISL-041-35-36-19960101 ISL-041-19960101 35 - 36 N
< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U

AIP MNOP Site ISL-041 1/1/1996 ISL-041A DUP-1-2-19960101 ISL-041-19960101 1 - 2 FD	AIP MNOP Site ISL-042 1/1/1996 ISL-042-1-2-19960101 ISL-042-19960101 1 - 2 N	AIP MNOP Site ISL-042 1/1/1996 ISL-042-32-33-19960101 ISL-042-19960101 32 - 33 N	AIP MNOP Site ISL-043 1/1/1996 ISL-043-1-2-19960101 ISL-043-19960101 1 - 2 N	AIP MNOP Site ISL-043 1/1/1996 ISL-043-19-20-19960101 ISL-043-19960101 19 - 20 N	AIP MNOP Site ISL-043 1/1/1996 ISL-043A DUP-1-2-19960101 ISL-043-19960101 1 - 2 FD
< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	**0.178 J**

AIP MNOP Site ISL-044 1/1/1996 ISL-044-1-2-19960101 ISL-044-19960101 1 - 2 N	AIP MNOP Site ISL-044 1/1/1996 ISL-044-50-51-19960101 ISL-044-19960101 50 - 51 N	AIP MNOP Site ISL-045 1/1/1996 ISL-045-1-2-19960101 ISL-045-19960101 1 - 2 N	AIP MNOP Site ISL-045 1/1/1996 ISL-045-50-51-19960101 ISL-045-19960101 50 - 51 N	AIP MNOP Site ISL-046 1/1/1996 ISL-046-1-2-19960101 ISL-046-19960101 1 - 2 N	AIP MNOP Site ISL-046 1/1/1996 ISL-046-14-15-19960101 ISL-046-19960101 14 - 15 N	AIP MNOP Site ISL-047 1/1/1996 ISL-047-1-2-19960101 ISL-047-19960101 1 - 2 N
< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0 R

AIP MNOP Site ISL-047 1/1/1996 ISL-047-14-15-19960101 ISL-047-19960101 14 - 15 N	AIP MNOP Site ISL-048 1/1/1996 ISL-048-0-2-19960101 ISL-048-19960101 0 - 2 N	AIP MNOP Site ISL-048 1/1/1996 ISL-048-29-31-19960101 ISL-048-19960101 29 - 31 N	AIP MNOP Site ISL-049 1/1/1996 ISL-049-12-13-19960101 ISL-049-19960101 12 - 13 N	AIP MNOP Site ISL-049 1/1/1996 ISL-049-1-2-19960101 ISL-049-19960101 1 - 2 N	AIP MNOP Site ISL-050 1/1/1996 ISL-050-14-15-19960101 ISL-050-19960101 14 - 15 N
< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0 R	< 0.024 U

AIP MNOP Site ISL-050 1/1/1996 ISL-050-3-4-19960101 ISL-050-19960101 3 - 4 N	AIP MNOP Site ISL-051 1/1/1996 ISL-051-1-2-19960101 ISL-051-19960101 1 - 2 N	AIP MNOP Site ISL-051 1/1/1996 ISL-051-45-46-19960101 ISL-051-19960101 45 - 46 N	AIP MNOP Site ISL-052 1/1/1996 ISL-052-0.5-2-19960101 ISL-052-19960101 0.5 - 2 N	AIP MNOP Site ISL-052 1/1/1996 ISL-052-45-46-19960101 ISL-052-19960101 45 - 46 N	AIP MNOP Site ISL-053 1/1/1996 ISL-053-0.5-2-19960101 ISL-053-19960101 0.5 - 2 N
< 0.024 U	< 0.024 U	< 0.024 U	< 0.024 U	< 0 R	< 0.024 U

AIP MNOP Site ISL-053 1/1/1996 ISL-053-30-31-19960101 ISL-053-19960101 30 - 31 N	AIP MNOP Site ISL-054 1/1/1996 ISL-054-0.5-2-19960101 ISL-054-19960101 0.5 - 2 N	AIP MNOP Site ISL-054 1/1/1996 ISL-054-45-46-19960101 ISL-054-19960101 45 - 46 N	AIP MNOP Site ISL-055 1/1/1996 ISL-055-1-2-19960101 ISL-055-19960101 1 - 2 N	AIP MNOP Site ISL-055 1/1/1996 ISL-055-40-41-19960101 ISL-055-19960101 40 - 41 N	AIP MNOP Site ISL-056 1/1/1996 ISL-056-1-2-19960101 ISL-056-19960101 1 - 2 N
< 0 R	< 0 R	< 0 R	< 0.024 U	< 0.024 U	< 0.024 U

AIP MNOP Site ISL-056 1/1/1996 ISL-056-50-51-19960101 ISL-056-19960101 50 - 51 N	AIP MNOP Site ISL-057 1/1/1996 ISL-057-1-2-19960101 ISL-057-19960101 1 - 2 N	AIP MNOP Site ISL-057 1/1/1996 ISL-057-55-56-19960101 ISL-057-19960101 55 - 56 N	AIP MNOP Site ISL-058 1/1/1996 ISL-058-1-2-19960101 ISL-058-19960101 1 - 2 N	AIP MNOP Site ISL-058 1/1/1996 ISL-058-55-56-19960101 ISL-058-19960101 55 - 56 N	AIP MNOP Site ISL-059 1/1/1996 ISL-059-1-2-19960101 ISL-059-19960101 1 - 2 N
< 0.024 U	< 0.024 U	< 0.024 U	< 0 R	< 0 R	< 0.024 U

AIP MNOP Site ISL-059 1/1/1996 ISL-059-55-56-19960101 ISL-059-19960101 55 - 56 N	AIP MNOP Site ISL-060 1/1/1996 ISL-060-1-2-19960101 ISL-060-19960101 1 - 2 N	AIP MNOP Site ISL-060 1/1/1996 ISL-060-35-36-19960101 ISL-060-19960101 35 - 36 N	AIP MNOP Site ISL-063 1/1/1996 ISL-063-1-2-19960101 ISL-063-19960101 1 - 2 N	AIP MNOP Site ISL-063 1/1/1996 ISL-063-40-41-19960101 ISL-063-19960101 40 - 41 N	AIP MNOP Site ISL-069 1/1/1998 ISL-69-A-SURF-19980101 ISL-069-19980101 0 - 1 FD
					< 7.36 U
					< 18.4 U
					< 7.36 U
					< 7.36 U
					< 7.36 U
					< 18.4 U
< 0.024 U			< 0.024 U	< 0.024 U	< 7.36 U
					< 7.36 U
					< 7.36 U
					< 7.36 U
					< 18.4 U
					< 7.36 U
					< 7.36 U
					< 18.4 UJ
					< 7.36 U
					< 7.36 U
					< 7.36 U
					< 18.4 UJ

AIP MNOP Site ISL-069 1/1/1998 ISL-69-SURF-19980101 ISL-069-19980101 0 - 1 N	AIP MNOP Site ISL-070 1/1/1998 ISL-70-SURF-19980101 ISL-070-19980101 0 - 1 N	AIP MNOP Site ISL-071 1/1/1998 ISL-71-SURF-19980101 ISL-071-19980101 0 - 1 N	AIP MNOP Site ISL-072 1/1/1998 ISL-72-SURF-19980101 ISL-072-19980101 0 - 1 N	AIP MNOP Site ISL-073 1/1/1998 ISL-73-SURF-19980101 ISL-073-19980101 0 - 1 N	AIP MNOP Site ISL-074 1/1/1998 ISL-74-SURF-19980101 ISL-074-19980101 0 - 1 N	AIP MNOP Site ISL-081 1/1/1998 ISL-81-SURF-19980101 ISL-081-19980101 0 - 1 N
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.958 U	< 0.917 U	< 0.911 U	< 1.2 U	< 0.884 U	< 0.952 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 35.4 U	< 0.958 U	< 0.917 U	< 0.911 U	< 1.2 U	< 0.884 U	< 0.952 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 35.4 U	< 0.95800 U	< 0.917 U	< 0.911 U	< 1.2 U	< 0.353 U	< 0.952 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 UJ	< 0.364 U	**0.0249 J**	< 0.365 U	< 0.381 UJ
< 35.4 U	< 0.958 UJ	< 0.917 UJ	< 0.911 U	< 1.2 U	< 0.884 U	< 0.952 UJ
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 35.4 U	< 0.988 UJ	< 0.917 UJ	< 0.911 U	< 1.2 U	< 0.884 U	< 0.952 UJ

AIP MNOP Site ISL-089 1/1/1998 ISL-89-SURF-19980101 ISL-089-19980101 0 - 1 N	AIP MNOP Site ISL-113 1/1/1998 ISL-113-SURFACE-19980101 ISL-113-19980101 0 - 1 N	AIP MNOP Site ISL-114 1/1/1998 ISL-114-SURF-19980101 ISL-114-19980101 - N	AIP MNOP Site ISL-126 1/1/1998 ISL-126-01-SUBSURF-19980101 ISL-126-19980101 0 - 2 FD	AIP MNOP Site ISL-127 1/1/1998 ISL-127-SURF-19980101 ISL-127-19980101 0 - 1 N	AIP MNOP Site ISL-128 1/1/1998 ISL-128-SURF-19980101 ISL-128-19980101 0 - 1 N
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U		
				< 0.374 U	< 0.383 U
< 0.925 U	< 3.76 U	< 0.952 U	< 0.92 U	< 0.936 U	< 0.958 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.925 U	< 3.76 U	< 0.952 U	< 0.92 U	< 0.936 U	< 0.958 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.925 U	< 3.76 U	< 0.952 U	< 0.92 U	< 0.936 U	< 0.958 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 UJ	< 0.381 U	< 0.368 U	< 0.749 U	< 0.766 U
< 0.925 U	< 3.76 UJ	< 0.952 U	< 0.92 UJ	< 0.936 U	< 0.958 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.925 U	< 3.76 UJ	< 0.952 U	< 0.92 UJ	< 0.936 U	< 0.958 U

AWI AWI AWI213 5/13/2009 R4-C092302-45 AWI213-20090513 0 - 0 N	AWI AWI AWI213 5/13/2009 R4-C092302-44 AWI213-20090513 0 - 0 N	AWI AWI AWI214 5/13/2009 R4-C092302-47 AWI214-20090513 0 - 0 N	AWI AWI AWI214 5/13/2009 R4-C092302-46 AWI214-20090513 0 - 0 N	AWI AWI AWI215 5/13/2009 R4-C092302-49 AWI215-20090513 0 - 0 N	AWI AWI AWI215 5/13/2009 R4-C092302-48 AWI215-20090513 0 - 0 N	AWI AWI AWI216 5/13/2009 R4-C092302-51 AWI216-20090513 0 - 0 N	AWI AWI AWI216 5/13/2009 R4-C092302-50 AWI216-20090513 0 - 0 N
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.43 U,J,O	< 0.4 U,J,O	< 0.42 U,J,O	< 4.3 U,J,O	< 4.9 U,J,O	< 0.55 U,J,O	< 16 U,J,O	< 5.1 U,J,O
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.43 U	< 0.4 U	< 0.42 U	< 4.3 U	< 4.9 U	< 0.55 U	< 16 U	< 5.1 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U,J,O	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U,J,O	< 7.9 U	< 2.7 U
< 0.43 U	< 0.4 U	< 0.42 U	< 4.3 U	< 4.9 U	< 0.55 U	< 16 U	< 5.1 U
< 0.22 U	< 0.21 U,J,O	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U,J,O	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.43 U	< 0.4 U	< 0.42 U	< 4.3 U	< 4.9 U	< 0.55 U	< 16 U	< 5.1 U

FML LANDFILL OU2 FML300 5/12/2009 R4-C092302-81 FML300-20090512 0 - 0 N	FML LANDFILL OU2 FML300 5/12/2009 R4-C092302-80 FML300-20090512 0 - 0 N	FML LANDFILL OU2 FML301 5/12/2009 R4-C092302-83 FML301-20090512 0 - 0 N	FML LANDFILL OU2 FML301 5/12/2009 R4-C092302-82 FML301-20090512 0 - 0 N	FML LANDFILL OU2 FML302 5/14/2009 R4-C092302-85 FML302-20090514 0 - 0 N	FML LANDFILL OU2 FML302 5/14/2009 R4-C092302-84 FML302-20090514 0 - 0 N	FML LANDFILL OU2 FML303 5/14/2009 R4-C092302-87 FML303-20090514 0 - 0 N	FML LANDFILL OU2 FML303 5/14/2009 R4-C092302-86 FML303-20090514 0 - 0 N	FML LANDFILL OU2 FML304 5/15/2009 R4-C092302-89 FML304-20090515 0 - 0 N
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.4 U,J,O	< 0.36 U,J,O	< 0.44 U,J,O	< 0.37 U,J,O	< 0.38 U	< 0.37 U	< 0.42 U	< 0.41 U	< 11 U,J,O
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U,J,O	< 0.19 U,J,O	< 0.23 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.22 U,J,O	< 0.21 U,J,O	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.4 U	< 0.36 U	< 0.44 U	< 0.37 U	< 0.38 U	< 0.37 U	< 0.42 U	< 0.41 U	< 11 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U		< 0.19 U,J,O		< 0.19 U			< 5.5 U
< 0.4 U	< 0.36 U	< 0.44 U	< 0.37 U	< 0.38 U	< 0.37 U	< 0.42 U	< 0.41 U	< 11 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U,J,O	< 0.19 U,J,O	< 0.23 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.22 U,J,O	< 0.21 U,J,O	< 5.5 U
< 0.4 U	< 0.36 U	< 0.44 U	< 0.37 U	< 0.38 U	< 0.37 U	< 0.42 U	< 0.41 U	< 11 U

FML LANDFILL OU2 FML304 5/15/2009 R4-C092302-88 FML304-20090515 0 - 0 N	FML LANDFILL OU2 FML305 5/15/2009 R4-C092302-91 FML305-20090515 0 - 0 N	FML LANDFILL OU2 FML305 5/15/2009 R4-C092302-90 FML305-20090515 0 - 0 N	FML LANDFILL OU2 FML306 5/12/2009 R4-C092302-93 FML306-20090512 0 - 0 N	FML LANDFILL OU2 FML306 5/12/2009 R4-C092302-92 FML306-20090512 0 - 0 N	FML LANDFILL OU2 FML307 5/12/2009 R4-C092302-95 FML307-20090512 0 - 0 N	FML LANDFILL OU2 FML307 5/12/2009 R4-C092302-94 FML307-20090512 0 - 0 N	FML LANDFILL OU2 FML308 5/15/2009 R4-C092302-97 FML308-20090515 0 - 0 N	FML LANDFILL OU2 FML308 5/15/2009 R4-C092302-96 FML308-20090515 0 - 0 N
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 14 U,J,O	< 6.3 U,J,O	< 5.3 U,J,O	< 0.5 U,J,O	< 0.56 U,J,O	< 0.36 U,J,O	< 0.34 U,J,O	< 11 U,J,O	< 13 U,J,O
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U,J,O	< 0.29 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 14 U	< 6.3 U	< 5.3 U	< 0.5 U	< 0.56 U	< 0.36 U	< 0.34 U	< 11 U	< 13 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U		< 0.29 U,J,O	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 14 U	< 6.3 U	< 5.3 U	< 0.5 U	< 0.56 U	< 0.36 U	< 0.34 U	< 11 U	< 13 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U,J,O	< 0.29 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 5.7 U	< 6.5 U
< 14 U	< 6.3 U	< 5.3 U	< 0.5 U	< 0.56 U	< 0.36 U	< 0.34 U	< 11 U	< 13 U

FML LANDFILL OU2 FML309 5/15/2009 R4-C092302-99 FML309-20090515 0 - 0 N	FML LANDFILL OU2 FML309 5/15/2009 R4-C092302-98 FML309-20090515 0 - 0 N	FML LANDFILL OU2 FML309 5/15/2009 R4-C092303-01 FML309-20090515 0 - 0 FD	FML LANDFILL OU2 FML310 5/12/2009 R4-C092303-02 FML310-20090512 0 - 0 N
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 2 U,J,O	< 17 U,J,O	< 1.9 U,J,O	< 0.38 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U,J,O
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 2 U	< 17 U	< 1.9 U	< 0.38 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U,J,O
< 2 U	< 17 U	< 1.9 U	< 0.38 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U,J,O
< 2 U	< 17 U	< 1.9 U	< 0.38 U

4-Nitrophenol	100-02-7	mg/kg	< 0.38 U	< 0.4 U,J,O			
Acetophenone	98-86-2	mg/kg	< 0.2 U	< 0.21 U			
Atrazine	1912-24-9	mg/kg	< 0.2 U,J,O	< 0.21 U,J,O			
Benzaldehyde	100-52-7	mg/kg	< 0.2 U	< 0.21 U			
Benzyl butyl phthalate	85-68-7	mg/kg	< 0.2 U	< 0.21 U			
Biphenyl	92-52-4	mg/kg	< 0.2 U	< 0.21 U			
Bis(2-chloroethoxy)methane	111-91-1	mg/kg	< 0.2 U	< 0.21 U			
Bis(2-ethylhexyl)phthalate	117-81-7	mg/kg	< 0.2 U,J,O	< 0.21 U	< 1 U	< 0.97 U	< 1 U
Caprolactam	105-60-2	mg/kg	< 0.2 U				
Carbazole	86-74-8	mg/kg	**0.09 J,O**	< 0.21 U,J,O			
Cresol	1319-77-3	mg/kg	< 0.2 U	< 0.21 U			
Dibenzofuran	132-64-9	mg/kg	< 0.2 U	< 0.21 U			
Dibutyl phthalate	84-74-2	mg/kg	< 0.2 U	< 0.21 U	< 0.18 U	< 0.17 U	< 0.18 U
Dichloroethyl ether	111-44-4	mg/kg	< 0.2 U	< 0.21 U			
Diethyl phthalate	84-66-2	mg/kg	< 0.2 U	< 0.21 U			
Dimethyl phthalate	131-11-3	mg/kg	< 0.2 U	< 0.21 U			
Dinitro-o-cresol	534-52-1	mg/kg	< 0.38 U	< 0.4 U,J,O			
Di-n-octyl phthalate	117-84-0	mg/kg	< 0.2 U	< 0.21 U			
Diphenylamine	122-39-4	mg/kg	< 0.2 U	< 0.21 U			
Hexachlorobenzene	118-74-1	mg/kg	< 0.2 U,J,O	< 0.21 U,J,O			
Hexachlorobutadiene	87-68-3	mg/kg	< 0.2 U	< 0.21 U	< 0.0013 U	< 0.0012 U	< 0.0013 U
Hexachlorocyclopentadiene	77-47-4	mg/kg		< 0.21 U,J,O			
Hexachloroethane	67-72-1	mg/kg	< 0.2 U	< 0.21 U			
Isophorone	78-59-1	mg/kg	< 0.2 U	< 0.21 U			
m,p-cresol	65794-96-9	mg/kg					
Nitrobenzene	98-95-3	mg/kg	< 0.2 U	< 0.21 U	< 0.057 U	< 0 R	< 0.057 U
n-Nitrosodi-n-propylamine	621-64-7	mg/kg	< 0.2 U	< 0.21 U,J,O			
n-Nitrosodiphenylamine	86-30-6	mg/kg					
o-Cresol	95-48-7	mg/kg	< 0.2 U	< 0.21 U			
p-Chloroaniline	106-47-8	mg/kg		< 0.21 U,J,O			
Pentachlorophenol	87-86-5	mg/kg	< 0.38 U	< 0.4 U			
Phenol	108-95-2	mg/kg	< 0.2 U	< 0.21 U			

NOTES:

U = analyte not detected above the reference reporting limit

				< 0.37 U,J,O	< 0.38 U,J,O	< 0.37 U,J,O
				< 0.19 U	**0.046 J,O**	< 0.19 U
				< 0.19 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
< 0.97 U	< 0.96 U	< 0.99 U	< 0.99 U	< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.37 U	< 0.38 U	< 0.37 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O
< 0.0012 U	< 0.0012 U	**0.0047 J**	< 0.0013 UJ	< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U,J,O
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
< 0.057 U				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U	< 0.2 U	< 0.19 U
				< 0.19 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O
				< 0.37 U	< 0.38 U	< 0.37 U
				< 0.19 U	< 0.2 U	< 0.19 U

< 0.37 U,J,O	< 0.38 U	< 0.4 U,J,O	< 0.38 U	< 0.38 U	< 0.38 U,J,O	< 0.38 U	< 0.35 U	< 0.38 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.18 U,J,O	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U,J,O	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U,J,O	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U,J,O	< 0.2 U	< 0.2 U,J,O	**0.61 J,O**	< 0.2 U,J,O	< 0.2 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U,J,O	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U,J,O	< 0.2 U	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.18 U,J,O	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U,J,O	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U,J,O	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U,J,O	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U,J,O	< 0.2 U	< 0.18 U	< 0.19 U
< 0.37 U	< 0.38 U	< 0.4 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.38 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	**0.2 J,O**	< 0.2 U	< 0.18 U	< 0.19 U,J,O
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.18 U,J,O	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U,J,O	< 0.2 U	< 0.2 U,J,O	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U,J,O	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.2 U	< 0.2 U,J,O	< 0.2 U	< 0.18 U,J,O	< 0.19 U
< 0.37 U	< 0.38 U	< 0.4 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.35 U	< 0.38 U,J,O
< 0.19 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U

< 0.36 U	< 0.38 U	< 0.38 U	< 0.36 U	< 0.38 U	< 0.37 U	< 0.39 U	< 0.35 U	< 0.37 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	**0.025 J,O**	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.36 U	< 0.38 U	< 0.38 U	< 0.36 U	< 0.38 U	< 0.37 U	< 0.39 U	< 0.35 U	< 0.37 U
< 0.19 U,J,O	**0.2 J,O**	< 0.2 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U
< 0.36 U,J,O	< 0.38 U,J,O	< 0.38 U,J,O	< 0.36 U,J,O	< 0.38 U,J,O	< 0.37 U,J,O	< 0.39 U,J,O	< 0.35 U,J,O	< 0.37 U,J,O
< 0.19 U	< 0.2 U	< 0.2 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.19 U

< 0.36 U	< 0.36 U	< 0.39 U	< 0.41 U	< 0.37 U	< 0.36 U	< 0.36 U	< 0.38 U	< 0.36 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	**0.047 J,O**	< 0.19 U	< 0.18 U
< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O	< 0.21 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O	< 0.21 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O	< 0.21 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.36 U	< 0.36 U	< 0.39 U	< 0.41 U	< 0.37 U	< 0.36 U	< 0.36 U	< 0.38 U	< 0.36 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O	< 0.21 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U
< 0.36 U	< 0.36 U	< 0.39 U	< 0.41 U	< 0.37 U	< 0.36 U	< 0.36 U	< 0.38 U	< 0.36 U
< 0.19 U	< 0.18 U	< 0.2 U	< 0.21 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.18 U

< 0.38 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.34 U	< 0.35 U	< 0.35 U	< 0.37 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U,J,O	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U,J,O	< 0.18 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.18 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U,J,O	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.38 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.34 U	< 0.35 U	< 0.35 U	< 0.37 U
< 0.2 U	< 0.18 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.18 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U,J,O	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U,J,O
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U
< 0.38 U	< 0.35 U	< 0.35 U	< 0.36 U	< 0.37 U	< 0.34 U	< 0.35 U	< 0.35 U	< 0.37 U
< 0.2 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U

< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.34 U	< 0.39 U	< 0.37 U	< 0.38 U	< 0.36 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U,J,O	< 0.18 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.18 U,J,O
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.34 U	< 0.39 U	< 0.37 U	< 0.38 U	< 0.36 U
< 0.18 U,J,O	< 0.18 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.18 U,J,O
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U,J,O	< 0.18 U	< 0.18 U	< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U
< 0.35 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.34 U	< 0.39 U,J,O	< 0.37 U,J,O	< 0.38 U,J,O	< 0.36 U,J,O
< 0.18 U	< 0.18 U	< 0.18 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U

< 0.35 U	< 0.35 U	< 0.37 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.36 U	< 0.38 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
0.03 J,O	< 0.18 U	< 0.19 U	< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.35 U	< 0.35 U	< 0.37 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.36 U	< 0.38 U
< 0.18 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.2 U,J,O
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U,J,O	< 0.18 U	< 0.19 U	< 0.19 U,J,O	< 0.18 U		< 0.19 U	< 0.18 U,J,O	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U,J,O	< 0.18 U		< 0.19 U	< 0.18 U,J,O	< 0.2 U
< 0.35 U	< 0.35 U,J,O	< 0.37 U,J,O	< 0.36 U	< 0.35 U	< 0.38 U	< 0.37 U	< 0.36 U	< 0.38 U
< 0.18 U	< 0.18 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.2 U	< 0.19 U	< 0.18 U	< 0.2 U

< 0.34 U	< 0.38 U,J,O	< 0.46 U	< 0.38 U	< 0.41 U	< 0.35 U	< 8.6 U	< 0.38 U	< 0.37 U
0.12 J,O	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	**0.075 J,O**
< 0.18 U,J,O	< 0.19 U,J,O	< 0.24 U,J,O	< 0.19 U,J,O	< 0.21 U,J,O	< 0.18 U,J,O	< 4.4 U	< 0.19 U,J,O	< 0.19 U,J,O
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U,J,O
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U,J,O	< 0.19 U	< 0.24 U,J,O	< 0.19 U,J,O	**0.35 J,O**	< 0.18 U,J,O	< 4.4 U	< 0.19 U,J,O	< 0.19 U,J,O
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U		< 0.19 U	< 0.19 U
0.055 J,O	< 0.19 U	< 0.24 U,J,O	< 0.19 U,J,O	< 0.21 U,J,O	**0.049 J,O**	< 4.4 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.34 U	< 0.38 U	< 0.46 U	< 0.38 U	< 0.41 U	< 0.35 U	< 8.6 U	< 0.38 U	< 0.37 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U,J,O
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U,J,O	< 0.19 U,J,O	< 0.24 U,J,O	< 0.19 U,J,O	< 0.21 U,J,O	< 0.18 U,J,O	< 4.4 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U,J,O	< 4.4 U,J,O	< 0.19 U	< 0.19 U,J,O
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U
	< 0.19 U,J,O	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U,J,O	< 4.4 U,J,O	< 0.19 U	< 0.19 U,J,O
< 0.34 U	< 0.38 U	< 0.46 U	< 0.38 U	< 0.41 U	< 0.35 U	< 8.6 U	< 0.38 U	< 0.37 U
< 0.18 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.21 U	< 0.18 U	< 4.4 U	< 0.19 U	< 0.19 U

< 0.37 U,J,O	< 0.38 U	< 0.38 U	< 0.38 U	< 0.37 U	< 0.35 U,J,O	< 0.36 U	< 0.39 U,J,O	< 0.38 U,J,O
< 0.19 U	< 0.2 U	**0.048 J,O**	< 0.19 U	< 0.19 U	< 0.18 U	**0.044 J,O**	< 0.2 U	< 0.2 U
< 0.19 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O
< 0.19 U	< 0.2 U	**0.063 J,O**	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.18 U	< 0.19 U,J,O	**1.2**	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U		< 0.19 U		
< 0.19 U	< 0.2 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.37 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.37 U	< 0.35 U,J,O	< 0.36 U	< 0.39 U,J,O	< 0.38 U,J,O
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.2 U,J,O
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
	< 0.2 U,J,O		< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U		< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U
	< 0.2 U,J,O		< 0.19 U	< 0.19 U	< 0.18 U,J,O	< 0.19 U		< 0.2 U,J,O
< 0.37 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.37 U	< 0.35 U	< 0.36 U	< 0.39 U	< 0.38 U
< 0.19 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.18 U	< 0.19 U	< 0.2 U	< 0.2 U

< 0.41 U,J,O	< 0.43 U,J,O	< 0.36 U,J,O	< 0.37 U,J,O	< 0.38 U,J,O	< 0.36 U,J,O	< 0.36 U	< 0.38 U	< 0.37 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U,J,O	< 0.22 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.18 U,J,O	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U,J,O	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U,J,O	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O
		< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U,J,O	< 0.19 U
< 0.21 U,J,O	< 0.22 U,J,O	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U,J,O	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U,J,O	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U,J,O	< 0.19 U
< 0.41 U,J,O	< 0.43 U,J,O	< 0.36 U	< 0.37 U	< 0.38 U	< 0.36 U	< 0.36 U	< 0.38 U	< 0.37 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U,J,O	< 0.22 U,J,O	< 0.19 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.18 U,J,O	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
		< 0.19 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.18 U,J,O	< 0.18 U,J,O	< 0.2 U	< 0.19 U,J,O
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
		< 0.19 U	< 0.19 U	< 0.2 U,J,O	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U
< 0.41 U	< 0.43 U	< 0.36 U	< 0.37 U	< 0.38 U	< 0.36 U	< 0.36 U	< 0.38 U,J,O	< 0.37 U
< 0.21 U	< 0.22 U	< 0.19 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.18 U	< 0.2 U	< 0.19 U

< 0.37 U	< 0.38 U	< 0.36 U,J,O	< 0.37 U,J,O			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U,J,O	< 0.19 U,J,O			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U,J,O	< 0.2 U,J,O	< 0.19 U	< 0.19 U	< 0.93 U	< 0.96 U	< 0.98 U
< 0.19 U	< 0.2 U	< 0.19 U				
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U,J,O			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U	**0.34 J**	< 0.17 U	< 0.17 U
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.37 U	< 0.38 U	< 0.36 U	< 0.37 U,J,O			
< 0.19 U,J,O	< 0.2 U,J,O	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U,J,O	< 0.19 U,J,O			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.0012 UJ	< 0.0012 U	< 0.0013 U
< 0.19 U	< 0.2 U	< 0.19 U,J,O	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.057 U	< 0.057 U	< 0.057 U
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			
< 0.19 U	< 0.2 U	< 0.19 U,J,O	< 0.19 U,J,O			
< 0.37 U,J,O	< 0.38 U,J,O	< 0.36 U	< 0.37 U			
< 0.19 U	< 0.2 U	< 0.19 U	< 0.19 U			

< 0.94 U	< 0.98 U	< 0.97 U	< 0.94 U	< 0.98 U	< 0.99 U
< 0.16 U	**0.77**	< 0.17 U	< 0.16 U	< 0.17 U	< 0.17 U
< 0.0012 UJ	< 0.0013 UJ	< 0.0012 UJ	< 0.0012 UJ	< 0.0012 UJ	< 0.0013 UJ
< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U

< 1 U	< 0.91 U	< 0.97 U	< 0.91 U	< 1 U	< 1 U	< 1.1 U
< 0.17 U	< 0.16 U	< 0.17 U	< 0.16 U	**0.28**	**0.29 J**	< 0.35 UJ
< 0.0013 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0013 U	< 0.0013 UJ	< 0.0013 UJ
< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U

< 1 U	< 0.93 U	< 0.99 U	< 0.94 U	< 0.96 U	< 0.98 U	< 0.98 U
0.24 J	< 0.16 U	< 0.17 U	**0.28 J**	< 0.17 U	**0.25 J**	< 0.17 U
< 0.0013 UJ	< 0.0012 UJ	< 0.0013 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U

< 0.99 U	< 0.97 U	< 0.99 U	< 0.95 U	< 0.99 U	< 0.95 U
< 0.17 U	< 0.17 U	**0.26 J**	**0.24 J**	< 0.17 U	< 0.16 U
< 0.0013 U	< 0.0012 U	< 0.0013 UJ	< 0.0012 U	< 0.0013 U	< 0.0012 U
	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U

< 1 U	< 0.95 U	< 0.97 U	< 1.1 U	< 0.96 U	< 0.97 U	< 2 U
< 0.17 U	**0.21 J**	< 0.17 U	< 0.2 U	< 0.17 U	< 0.17 U	< 0.34 U
< 0.0013 U	< 0.0012 U	< 0.0012 U	< 0.0014 U	< 0.0012 U	< 0.0012 U	< 0.0013 U
< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	

< 2 U	< 0.97 U	< 0.98 U	< 1 U	< 0.92 U	< 0.98 U
< 0.34 U	< 0.17 U	< 0.17 U	**0.23 J**	**0.18 J**	**0.25 J**
< 0.0013 U	< 0.0012 UJ	< 0.0013 U	< 0.0013 U	< 0.0012 U	< 0.0013 U

< 1 U	< 0.92 U	< 1 U	< 0.92 U	< 0.96 U	< 0.92 U	< 0.96 U
< 0.17 U	< 0.16 U	< 0.17 U	< 0.16 U	< 0.17 U	< 0.16 U	< 0.17 U
< 0.0013 U	< 0.0012 U	< 0.0013 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
		< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U

< 0.95 U	< 0.95 U	< 0.95 U	< 0.98 U	< 0.92 U	< 0.94 U
< 0.16 U	< 0.16 U	< 0.16 U	< 0.17 U	< 0.16 U	< 0.16 U
< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U

< 0.96 U	< 0.98 U	< 0.92 U	< 0.93 U	< 0.95 U	< 0.93 U
< 0.17 U	< 0.17 U	< 0.16 U	< 0.16 U	**0.16 J**	**0.29 J**
< 0.0012 U	< 0.0013 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U

< 0.94 U	< 0.97 U	< 0.93 U	< 0.98 U	< 0.96 U	< 0.98 U
< 0.16 U	< 0.17 U	**0.19 J**	< 0.17 U	< 0.17 U	**0.21 J**
< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0013 U	< 0.0012 U	< 0.0012 U
< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U

< 0.97 U	< 0.97 U	< 0.98 U	< 0.87 U	< 0.98 U	< 0 R
0.19 J	< 0.17 U	**0.2 J**	< 0.17 U	< 0.17 U	< 0 R
< 0.0012 U	< 0.0012 U	< 0.0013 U		< 0.0012 U	< 0.0012 U
< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0 R	< 0 R

< 0.95 U	< 0 R	< 0.99 U	< 0.96 U	< 0.97 U	< 0.97 U
< 0.16 U	< 0 R	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
< 0.0012 U	< 0.0012 U	< 0.0013 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
< 0 R	< 0.057 U	< 0 R	< 0.057 U	< 0 R	< 0 R

< 0.95 U	< 1 U	< 1 U	< 0.99 U	< 1 U	< 0.99 U
< 0.16 U	< 0.18 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
< 0.0012 UJ	< 0.0013 UJ	< 0.0013 U	< 0.0013 UJ	< 0.0013 UJ	< 0.0013 U
< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U

< 1 U	< 0.92 U	< 0.9 U	**1.7**	< 0.9 U	< 0.99 U
< 0.17 U	< 0.16 U	< 0.16 U	< 0.17 U	< 0.15 U	< 0.17 U
< 0.0013 U	< 0.0012 UJ	< 0.0012 U	< 0.0013 UJ	< 0.0011 U	< 0.0013 UJ
< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	**0.302 J**

< 0.98 U	< 0.91 U	< 0.99 U	< 1 U	< 0.99 U	< 0.97 U	**3.3**
< 0.17 U	< 0.16 U	< 0.17 U	< 0.18 U	**1.6**	< 0.17 U	< 0.17 U
< 0.0013 UJ	< 0.0012 UJ	< 0.0013 UJ	< 0.0013 UJ	< 0.0013 UJ	< 0.0012 U	< 0.0013 U
< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0 R

< 1 U	< 0.97 U	< 0.94 U	< 1 U	**1.7**	< 0.98 U
< 0.17 U	**0.18 J**	**0.17 J**	< 0.18 U	< 0.16 U	< 0.17 U
< 0.0013 U	< 0.0012 U	< 0.0012 U	< 0.0013 U	< 0.0012 U	< 0.0012 UJ
< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0 R	< 0.057 U

< 0.98 U	< 1 U	< 0.97 U	< 0.98 U	< 0.95 UJ	< 1 U
< 0.17 U	< 0.18 U	< 0.17 U	< 0.17 U	< 0.16 UJ	< 0.17 U
< 0.0012 UJ	< 0.0013 UJ	< 0.0012 UJ	< 0.0013 U	< 0.0012 U	< 0.0013 U
< 0.057 U	< 0.057 U	< 0.057 U	< 0.057 U	< 0 R	< 0.057 U

< 0.95 U	< 0.98 U	**5.9**	< 0.96 U	< 0.96 U	< 0.96 U
< 0.16 U	< 0.17 U	< 0.16 U	< 0.17 U	< 0.17 U	< 0.17 U
< 0.0012 U	< 0.0013 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 UJ
< 0 R	< 0 R	< 0 R	< 0.057 U	< 0.057 U	< 0.057 U

< 0.97 U	< 0.99 U	< 0.94 U	< 0.96 U	< 0.95 U	< 0.99 U
< 0.17 U	< 0.17 U	< 0.16 U	< 0.17 U	**0.18 J**	< 0.17 U
< 0.0012 UJ	< 0.0013 U	< 0.0012 UJ	< 0.0012 U	< 0.0012 U	< 0.0013 UJ
< 0.057 U	< 0.057 U	< 0.057 U	< 0 R	< 0 R	< 0.057 U

					< 18.4 U
					< 7.36 U
					< 7.36 U
< 0.98 U	< 1 U	< 0.93 U	< 0.98 U	< 0.91 U	< 7.36 U
					< 7.36 U
					< 7.36 U
< 0.17 U	**0.21 J**	**0.21 J**	< 0.17 U	< 0.16 U	< 7.36 U
					< 7.36 U
					< 7.36 U
					< 7.36 U
					< 18.4 U
					< 7.36 U
					< 7.36 U
< 0.0013 U	< 0.0013 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 7.36 U
					< 7.36 U
					< 7.36 U
					< 7.36 U
					< 7.36 U
< 0.057 U			< 0.057 U	< 0.057 U	< 7.36 U
					< 7.36 U
					< 7.36 U
					< 7.36 U
					< 7.36 UJ
					< 18.4 U
					< 7.36 U

< 35.4 U	< 0.95800 U	< 0.917 U	< 0.911 U	< 1.2 U	< 0.884 U	< 0.952 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.365 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	**0.203 J**	< 0.48 U	< 0.353 U	**0.24 J**
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	**0.0443 J**	**0.0307 J**	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.36700 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.38300 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 35.4 U	< 0.958 U	< 0.917 U	< 0.911 U	< 1.2 U	< 0.884 U	< 0.952 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.38300 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U
< 14.2 U	< 0.383 UJ	< 0.367 UJ	< 0.364 U	< 0.48 U	< 0.35303 U	< 0.381 UJ
< 14.2 U	< 0.95800 U	< 0.917 U	< 0.911 U	< 1.2 U	< 0.884 U	< 0.952 U
< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	< 0.353 U	< 0.381 U

< 0.925 U	< 3.76 U	< 0.952 U	< 0.92 U	< 0.936 U	< 0.958 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	**0.12 J**	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	**0.0293 J**	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.925 U	< 3.76 U	< 0.952 U	< 0.92 U	< 0.936 U	< 0.958 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.3749 U	< 0.383 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U
< 0.37 U	< 1.5 UJ	< 0.381 U	< 0.368 UJ	< 0.374 U	< 0.383 U
< 0.925 U	< 3.76 U	< 0.952 U	< 0.92 U	< 0.936 U	< 0.958 U
< 0.37 U	< 1.5 U	< 0.381 U	< 0.368 U	< 0.374 U	< 0.383 U

< 0.43 U	< 0.4 U	< 0.42 U	< 4.3 U	< 4.9 U	< 0.55 U	< 16 U	< 5.1 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U,J,O	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U,J,O	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
83 J,O	**34 J,O**	**43 J,O**	**15 J,O**	**6.2 J,O**	**1.2 J,O**	**36 J,O**	**24 J,O**
< 0.22 U	< 0.21 U,J,O	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	**0.12 J,O**	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	**0.058 J,O**	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U,J,O	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U,J,O	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U,J,O	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.43 U	< 0.4 U	< 0.42 U	< 4.3 U	< 4.9 U	< 0.55 U	< 16 U	< 5.1 U
< 0.22 U,J,O	< 0.21 U,J,O	< 0.22 U,J,O	< 2.2 U,J,O	< 2.5 U,J,O	< 0.28 U,J,O	< 7.9 U,J,O	< 2.7 U,J,O
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U,J,O	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U,J,O	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U
< 0.22 U	< 0.21 U,J,O	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U,J,O	< 7.9 U	< 2.7 U
< 0.43 U,J,O	< 0.4 U	< 0.42 U	< 4.3 U,J,O	< 4.9 U,J,O	< 0.55 U,J,O	< 16 U	< 5.1 U,J,O
< 0.22 U	< 0.21 U	< 0.22 U	< 2.2 U	< 2.5 U	< 0.28 U	< 7.9 U	< 2.7 U

< 0.4 U,J,O	< 0.36 U,J,O	< 0.44 U,J,O	< 0.37 U,J,O	< 0.38 U	< 0.37 U	< 0.42 U	< 0.41 U	< 11 U
< 0.2 U	< 0.19 U	**0.082 J,O**	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U,J,O	< 0.19 U,J,O	< 0.23 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.22 U,J,O	< 0.21 U,J,O	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	**0.057 J,O**	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	**0.31**	< 0.19 U	< 0.2 U,J,O	< 0.19 U,J,O	**2.6 J,O**	< 0.21 U,J,O	< 5.5 U,J,O
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U,J,O	< 0.19 U,J,O	< 0.22 U,J,O	< 0.21 U,J,O	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	**1.8**	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.4 U	< 0.36 U	< 0.44 U	< 0.37 U	< 0.38 U	< 0.37 U	< 0.42 U	< 0.41 U	< 11 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U,J,O
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U,J,O	< 0.19 U,J,O	< 0.23 U,J,O	< 0.19 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.22 U,J,O	< 0.21 U,J,O	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U,J,O	< 0.19 U,J,O		< 0.19 U,J,O		< 0.19 U			< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U
< 0.2 U,J,O	< 0.19 U		< 0.19 U,J,O		< 0.19 U			< 5.5 U
< 0.4 U	< 0.36 U	< 0.44 U	< 0.37 U	< 0.38 U	< 0.37 U	< 0.42 U	< 0.41 U	< 11 U
< 0.2 U	< 0.19 U	< 0.23 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.22 U	< 0.21 U	< 5.5 U

< 14 U	< 6.3 U	< 5.3 U	< 0.5 U,J,O	< 0.56 U,J,O	< 0.36 U	< 0.34 U	< 11 U	< 13 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	**0.085 J,O**	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U,J,O	< 0.29 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U,J,O	< 3.3 U,J,O	< 2.7 U,J,O	**25**	**3.2**	< 0.19 U,J,O	< 0.18 U,J,O	< 5.7 U,J,O	< 6.5 U,J,O
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U,J,O	< 0.18 U,J,O	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 14 U	< 6.3 U	< 5.3 U	< 0.5 U	< 0.56 U	< 0.36 U	< 0.34 U	< 11 U	< 13 U
< 7.4 U,J,O	< 3.3 U,J,O	< 2.7 U,J,O	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U,J,O	< 6.5 U,J,O
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U,J,O	< 0.29 U,J,O	< 0.19 U,J,O	< 0.18 U,J,O	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U		< 0.29 U,J,O	< 0.19 U,J,O	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U
< 7.4 U	< 3.3 U	< 2.7 U		< 0.29 U,J,O	< 0.19 U,J,O	< 0.18 U	< 5.7 U	< 6.5 U
3.4 J,O	< 6.3 U	< 5.3 U	< 0.5 U	< 0.56 U	< 0.36 U	< 0.34 U	< 11 U	**3.3 J,O**
< 7.4 U	< 3.3 U	< 2.7 U	< 0.26 U	< 0.29 U	< 0.19 U	< 0.18 U	< 5.7 U	< 6.5 U

< 2 U	< 17 U	< 1.9 U	< 0.38 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U,J,O
0.16 J,O	< 8.9 U	**0.22 J,O**	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U,J,O	< 8.9 U,J,O	**1.5 J,O**	**1.2 J,O**
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U,J,O
3.4	< 8.9 U	**2.8**	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 2 U	< 17 U	< 1.9 U	< 0.38 U
< 1 U,J,O	< 8.9 U,J,O	< 0.98 U,J,O	**0.2**
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U,J,O
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U,J,O
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U,J,O
< 2 U	**2.7 J,O**	< 1.9 U	< 0.38 U
< 1 U	< 8.9 U	< 0.98 U	< 0.2 U

J = estimated concentration

O = qualifier indicating the reported value is estimated due to the presence of interference or quality exception.

Table A4
Soil Sample Results Summary: VOCs
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

			Subfacility	AIP	AIP	AIP	AIP
			Area	Background (Site)	Background (Site)	Background (Site)	Background (Site)
			Location	AIP100	AIP100	ISL-018	ISL-018
			Sample Date	5/14/2009	5/14/2009	1/1/1996	1/1/1996
			Sample ID	R4-C092301-21	R4-C092301-20	ISL-018-1-2-19960101	ISL-018-55-56-19960101
			ERM Sample ID	AIP100-20090514	AIP100-20090514	ISL-018-19960101	ISL-018-19960101
			Sample Interval	0 - 6	12 - 24	1 - 2	55 - 56
			Sample Type	N	N	N	N
Chemical Name	**CAS No.**	**Units**					
VOCs (ug/L)							
1,1,1-Trichloroethane	71-55-6	mg/kg	< 0.0045 U	< 0.0050 U		
1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	< 0.0045 U	< 0.0050 U		
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	mg/kg	< 0.0045 U	< 0.0050 U		
1,1,2-Trichloroethane	79-00-5	mg/kg	< 0.0045 U	< 0.0050 U		
1,1-Dichloroethane	75-34-3	mg/kg	< 0.0045 U	< 0.0050 U		
1,1-Dichloroethene	75-35-4	mg/kg	< 0.0045 U	< 0.0050 U,J,O		
1,2,3-Trichlorobenzene	87-61-6	mg/kg	< 0.0045 U,J,O	< 0.0050 U		
1,2,4-Trichlorobenzene	120-82-1	mg/kg	< 0.0045 U,J,O	< 0.0050 U		
1,2-Dibromo-3-chloropropane	96-12-8	mg/kg	< 0.0045 U	< 0.0050 U		
1,2-Dichlorobenzene	95-50-1	mg/kg	< 0.0045 U,J,O	< 0.0050 U		
1,2-Dichloroethane	107-06-2	mg/kg	< 0.0045 U	< 0.0050 U		
1,2-Dichloroethene	540-59-0	mg/kg				
1,2-Dichloropropane	78-87-5	mg/kg	< 0.0045 U	< 0.0050 U		
1,3-Dichlorobenzene	541-73-1	mg/kg	< 0.0045 U,J,O	< 0.0050 U		
1,4-Dichlorobenzene	106-46-7	mg/kg	< 0.0045 U,J,O	< 0.0050 U		
2-Butanone	78-93-3	mg/kg	< 0.0091 U	< 0.0099 U		
2-Hexanone	591-78-6	mg/kg	< 0.0091 U	< 0.0099 U		
4-Methyl-2-pentanone	108-10-1	mg/kg	< 0.0091 U	< 0.0099 U		
Acetone	67-64-1	mg/kg	**0.081 J,O**	**0.025 J,O**		
Benzene	71-43-2	mg/kg	< 0.0045 U	< 0.0050 U,J,O		
Bromodichloromethane	75-27-4	mg/kg	< 0.0045 U	< 0.0050 U		

AIP Background (Site) ISL-019 1/1/1996 ISL-019-1-2-19960101 ISL-019-19960101 1 - 2 N	AIP Background (Site) ISL-019 1/1/1996 ISL-019-70-71-19960101 ISL-019-19960101 70 - 71 N	AIP Background (Site) ISL-061 1/1/1996 ISL-061-1-2-19960101 ISL-061-19960101 1 - 2 N	AIP Background (Site) ISL-062 1/1/1996 ISL-062-1-2-19960101 ISL-062-19960101 1 - 2 N	AIP Background (Site) ISL-062 1/1/1996 ISL-062-15-16-19960101 ISL-062-19960101 15 - 16 N	AIP MNOP Site AIP101 5/12/2009 R4-C092301-23 AIP101-20090512 0 - 6 N	AIP MNOP Site AIP101 5/12/2009 R4-C092301-22 AIP101-20090512 12 - 24 N
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0077 U	< 0.0080 U
					< 0.0077 U	< 0.0080 U
					< 0.0077 U	< 0.0080 U
					< 0.0077 U	< 0.0080 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U

AIP MNOP Site AIP102 5/12/2009 R4-C092301-25 AIP102-20090512 0 - 6 N	AIP MNOP Site AIP102 5/12/2009 R4-C092301-24 AIP102-20090512 12 - 24 N	AIP MNOP Site AIP103 5/12/2009 R4-C092301-27 AIP103-20090512 0 - 6 N	AIP MNOP Site AIP103 5/12/2009 R4-C092301-26 AIP103-20090512 12 - 24 N	AIP MNOP Site AIP104 5/12/2009 R4-C092301-30 AIP104-20090512 0 - 6 N	AIP MNOP Site AIP104 5/12/2009 R4-C092301-28 AIP104-20090512 12 - 24 N	AIP MNOP Site AIP104 5/12/2009 R4-C092301-29 AIP104-20090512 12 - 24 FD	AIP MNOP Site AIP105 5/12/2009 R4-C092301-31 AIP105-20090512 12 - 24 N	AIP MNOP Site AIP105 5/12/2009 R4-C092301-32 AIP105-20090512 0 - 6 N
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U,J,O	< 0.0040 U	< 0.0045 U,J,O	< 0.0046 U	< 0.0038 U,J,O	< 0.0039 U	< 0.0043 U	< 0.0040 U,J,O	< 0.0046 U,J,O
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U,J,O	< 0.0040 U	< 0.0045 U,J,O	< 0.0046 U	< 0.0038 U,J,O	< 0.0039 U	< 0.0043 U	< 0.0040 U,J,O	< 0.0046 U,J,O
< 0.0044 U,J,O	< 0.0040 U	< 0.0045 U,J,O	< 0.0046 U	< 0.0038 U,J,O	< 0.0039 U	< 0.0043 U	< 0.0040 U,J,O	< 0.0046 U,J,O
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U,J,O	< 0.0040 U	< 0.0045 U,J,O	< 0.0046 U	< 0.0038 U,J,O	< 0.0039 U	< 0.0043 U	< 0.0040 U,J,O	< 0.0046 U,J,O
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U,J,O	< 0.0040 U	< 0.0045 U,J,O	< 0.0046 U	< 0.0038 U,J,O	< 0.0039 U	< 0.0043 U	< 0.0040 U,J,O	< 0.0046 U,J,O
< 0.0044 U,J,O	< 0.0040 U	< 0.0045 U,J,O	< 0.0046 U	< 0.0038 U,J,O	< 0.0039 U	< 0.0043 U	< 0.0040 U,J,O	< 0.0046 U,J,O
< 0.0088 U	< 0.0080 U	< 0.0090 U	< 0.0093 U	< 0.0076 U	< 0.0079 U	< 0.0086 U	< 0.0080 U	< 0.0091 U
< 0.0088 U	< 0.0080 U	< 0.0090 U	< 0.0093 U	< 0.0076 U	< 0.0079 U	< 0.0086 U	< 0.0080 U	< 0.0091 U
< 0.0088 U	< 0.0080 U	< 0.0090 U	< 0.0093 U	< 0.0076 U	< 0.0079 U	< 0.0086 U	< 0.0080 U	< 0.0091 U
< 0.0088 U	< 0.0080 U	< 0.0090 U	< 0.0093 U	< 0.0076 U	< 0.0079 U	< 0.0086 U	< 0.0080 U	< 0.0091 U
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U

AIP MNOP Site AIP106 5/11/2009 R4-C092301-34 AIP106-20090511 0 - 6 N	AIP MNOP Site AIP106 5/11/2009 R4-C092301-33 AIP106-20090511 12 - 24 N	AIP MNOP Site AIP107 5/11/2009 R4-C092301-36 AIP107-20090511 0 - 6 N	AIP MNOP Site AIP107 5/11/2009 R4-C092301-35 AIP107-20090511 12 - 24 N	AIP MNOP Site AIP108 5/11/2009 R4-C092301-38 AIP108-20090511 0 - 6 N	AIP MNOP Site AIP108 5/11/2009 R4-C092301-37 AIP108-20090511 12 - 24 N	AIP MNOP Site AIP109 5/11/2009 R4-C092301-40 AIP109-20090511 0 - 6 N	AIP MNOP Site AIP109 5/11/2009 R4-C092301-39 AIP109-20090511 12 - 24 N	AIP MNOP Site AIP110 5/11/2009 R4-C092301-42 AIP110-20090511 0 - 6 N
< 0.0075 U	< 0.0075 U	< 0.0074 U,J,O	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U,J,O	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U,J,O	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.015 U	< 0.015 U	< 0.015 U	< 0.016 U	< 0.015 U	< 0.016 U	< 0.015 U	< 0.016 U	< 0.014 U
< 0.015 U	< 0.015 U	< 0.015 U	< 0.016 U	< 0.015 U	< 0.016 U	< 0.015 U	< 0.016 U	< 0.014 U
< 0.015 U	< 0.015 U	< 0.015 U	< 0.016 U	< 0.015 U	< 0.016 U	< 0.015 U	< 0.016 U	< 0.014 U
0.026	**0.015**	**0.043**	< 0.016 U	< 0.015 U	< 0.016 U	**0.046**	< 0.016 U	**0.049**
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U,J,O	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U

AIP MNOP Site AIP110 5/11/2009 R4-C092301-41 AIP110-20090511 12 - 24 N	AIP MNOP Site AIP111 5/14/2009 R4-C092301-44 AIP111-20090514 0 - 6 N	AIP MNOP Site AIP111 5/14/2009 R4-C092301-43 AIP111-20090514 12 - 24 N	AIP MNOP Site AIP112 5/14/2009 R4-C092301-46 AIP112-20090514 0 - 6 N	AIP MNOP Site AIP112 5/14/2009 R4-C092301-45 AIP112-20090514 12 - 24 N	AIP MNOP Site AIP113 5/14/2009 R4-C092301-48 AIP113-20090514 0 - 6 N	AIP MNOP Site AIP113 5/14/2009 R4-C092301-47 AIP113-20090514 12 - 24 N	AIP MNOP Site AIP114 5/14/2009 R4-C092301-50 AIP114-20090514 0 - 6 N	AIP MNOP Site AIP114 5/14/2009 R4-C092301-49 AIP114-20090514 12 - 24 N
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U,J,O	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U,J,O	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U,J,O	< 0.0046 U	< 0.0036 U,J,O	< 0.0038 U
< 0.0074 U	< 0.0040 U,J,O	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U,J,O	< 0.0046 U	< 0.0036 U,J,O	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U,J,O	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U,J,O	< 0.0046 U	< 0.0036 U,J,O	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U,J,O	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U,J,O	< 0.0046 U	< 0.0036 U,J,O	< 0.0038 U
< 0.0074 U	< 0.0040 U,J,O	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U,J,O	< 0.0046 U	< 0.0036 U,J,O	< 0.0038 U
< 0.015 U	< 0.0080 U	< 0.0078 U	< 0.0095 U	< 0.011 U	< 0.0089 U	< 0.0091 U	< 0.0072 U	< 0.0077 U
< 0.015 U	< 0.0080 U	< 0.0078 U	< 0.0095 U	< 0.011 U	< 0.0089 U	< 0.0091 U	< 0.0072 U	< 0.0077 U
< 0.015 U	< 0.0080 U	< 0.0078 U	< 0.0095 U	< 0.011 U	< 0.0089 U	< 0.0091 U	< 0.0072 U	< 0.0077 U
< 0.015 U	**0.078 J,O**	< 0.0078 U,J,O	< 0.0095 U,J,O	< 0.011 U	< 0.0089 U,J,O	< 0.0091 U,J,O	< 0.0072 U	< 0.0077 U,J,O
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U

AIP MNOP Site AIP115 5/14/2009 R4-C092301-52 AIP115-20090514 0 - 6 N	AIP MNOP Site AIP115 5/14/2009 R4-C092301-51 AIP115-20090514 12 - 24 N	AIP MNOP Site AIP116 5/13/2009 R4-C092301-54 AIP116-20090513 0 - 6 N	AIP MNOP Site AIP116 5/13/2009 R4-C092301-53 AIP116-20090513 12 - 24 N	AIP MNOP Site AIP117 5/13/2009 R4-C092301-56 AIP117-20090513 0 - 6 N	AIP MNOP Site AIP117 5/13/2009 R4-C092301-55 AIP117-20090513 12 - 24 N	AIP MNOP Site AIP118 5/13/2009 R4-C092301-58 AIP118-20090513 0 - 6 N	AIP MNOP Site AIP118 5/13/2009 R4-C092301-57 AIP118-20090513 12 - 24 N	AIP MNOP Site AIP119 5/13/2009 R4-C092301-60 AIP119-20090513 0 - 6 N
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U,J,O
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U,J,O	< 0.0073 U,J,O	< 0.0070 U,J,O	< 0.0081 U,J,O	< 0.0070 U,J,O	< 0.0078 U,J,O	< 0.0073 U,J,O
< 0.0053 U,J,O	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U,J,O	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U,J,O	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U,J,O	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U,J,O
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U,J,O	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U,J,O	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.011 U	< 0.0084 U	< 0.015 U	< 0.015 U	< 0.014 U	< 0.016 U	< 0.014 U	< 0.016 U	< 0.015 U,J,O
< 0.011 U	< 0.0084 U	< 0.015 U	< 0.015 U	< 0.014 U	< 0.016 U	< 0.014 U	< 0.016 U	< 0.015 U
< 0.011 U	< 0.0084 U	< 0.015 U	< 0.015 U	< 0.014 U	< 0.016 U	< 0.014 U	< 0.016 U	< 0.015 U,J,O
< 0.011 U,J,O	< 0.0084 U,J,O							
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U,J,O
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U

AIP MNOP Site AIP119 5/13/2009 R4-C092301-59 AIP119-20090513 12 - 24 N	AIP MNOP Site AIP120 5/13/2009 R4-C092301-62 AIP120-20090513 0 - 6 N	AIP MNOP Site AIP120 5/13/2009 R4-C092301-61 AIP120-20090513 12 - 24 N	AIP MNOP Site AIP121 5/13/2009 R4-C092301-64 AIP121-20090513 0 - 6 N	AIP MNOP Site AIP121 5/13/2009 R4-C092301-63 AIP121-20090513 12 - 24 N	AIP MNOP Site AIP122 5/13/2009 R4-C092301-66 AIP122-20090513 0 - 6 N	AIP MNOP Site AIP122 5/13/2009 R4-C092301-65 AIP122-20090513 12 - 24 N	AIP MNOP Site AIP123 5/13/2009 R4-C092301-68 AIP123-20090513 0 - 6 N	AIP MNOP Site AIP123 5/13/2009 R4-C092301-67 AIP123-20090513 12 - 24 N
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U,J,O	< 0.0072 U,J,O	< 0.0082 U,J,O	< 0.0072 U,J,O	< 0.0077 U	< 0.0082 U	< 0.0078 U,J,O	< 0.0077 U,J,O	< 0.0091 U,J,O
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.014 U	< 0.014 U	< 0.016 U,J,O	< 0.014 U,J,O	< 0.015 U	< 0.016 U	< 0.016 U,J,O	< 0.015 U,J,O	< 0.018 U,J,O
< 0.014 U	< 0.014 U	< 0.016 U	< 0.014 U	< 0.015 U	< 0.016 U	< 0.016 U	< 0.015 U	< 0.018 U
< 0.014 U	< 0.014 U	< 0.016 U,J,O	< 0.014 U,J,O	< 0.015 U	< 0.016 U	< 0.016 U,J,O	< 0.015 U,J,O	< 0.018 U,J,O
				< 0.015 U	< 0.016 U			
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U

AIP MNOP Site AIP124 5/13/2009 R4-C092301-70 AIP124-20090513 0 - 6 N	AIP MNOP Site AIP124 5/13/2009 R4-C092301-69 AIP124-20090513 12 - 24 N	AIP MNOP Site AIP125 5/13/2009 R4-C092301-72 AIP125-20090513 0 - 6 N	AIP MNOP Site AIP125 5/13/2009 R4-C092301-71 AIP125-20090513 12 - 24 N	AIP MNOP Site AIP126 5/12/2009 R4-C092301-74 AIP126-20090512 0 - 6 N	AIP MNOP Site AIP126 5/12/2009 R4-C092301-73 AIP126-20090512 12 - 24 N	AIP MNOP Site AIP127 5/12/2009 R4-C092301-76 AIP127-20090512 0 - 6 N	AIP MNOP Site AIP127 5/12/2009 R4-C092301-75 AIP127-20090512 12 - 24 N	AIP MNOP Site AIP128 5/12/2009 R4-C092301-78 AIP128-20090512 0 - 6 N
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U,J,O	< 0.0068 U	< 0.0073 U,J,O	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U,J,O	< 0.0040 U	< 0.0043 U,J,O	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U,J,O	< 0.0040 U,J,O	< 0.0043 U,J,O	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U,J,O	< 0.0040 U,J,O	< 0.0043 U,J,O	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U,J,O	< 0.0040 U,J,O	< 0.0043 U,J,O	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U,J,O	< 0.0040 U,J,O	< 0.0043 U,J,O	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U,J,O	< 0.0040 U,J,O	< 0.0043 U,J,O	< 0.0040 U	< 0.0037 U
< 0.016 U,J,O	< 0.014 U	< 0.015 U	< 0.015 U	< 0.0094 U	< 0.0080 U	< 0.0086 U	< 0.0080 U	< 0.0073 U
< 0.016 U	< 0.014 U	< 0.015 U	< 0.015 U	< 0.0094 U,J,O	< 0.0080 U	< 0.0086 U	< 0.0080 U	< 0.0073 U
< 0.016 U,J,O	< 0.014 U	< 0.015 U	< 0.015 U	< 0.0094 U,J,O	< 0.0080 U	< 0.0086 U	< 0.0080 U	< 0.0073 U
	< 0.014 U		< 0.015 U	< 0.0094 U	< 0.0080 U	< 0.0086 U	< 0.0080 U	< 0.0073 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U,J,O	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U

AIP MNOP Site AIP128 5/12/2009 R4-C092301-77 AIP128-20090512 12 - 24 N	AIP MNOP Site AIP129 5/12/2009 R4-C092301-80 AIP129-20090512 0 - 6 N	AIP MNOP Site AIP129 5/12/2009 R4-C092301-79 AIP129-20090512 12 - 24 N	AIP MNOP Site AIP130 5/12/2009 R4-C092301-82 AIP130-20090512 0 - 6 N	AIP MNOP Site AIP130 5/12/2009 R4-C092301-81 AIP130-20090512 12 - 24 N	AIP MNOP Site AIP131 5/12/2009 R4-C092301-83 AIP131-20090512 12 - 24 N	AIP MNOP Site AIP131 5/12/2009 R4-C092301-84 AIP131-20090512 0 - 6 N	AIP MNOP Site AIP132 5/12/2009 R4-C092301-87 AIP132-20090512 0 - 6 FD	AIP MNOP Site AIP132 5/12/2009 R4-C092301-85 AIP132-20090512 12 - 24 N
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U,J,O	< 0.0037 U,J,O	< 0.0051 U,J,O	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U,J,O	< 0.0037 U,J,O	< 0.0051 U,J,O	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U,J,O	< 0.0035 U
< 0.0040 U	< 0.0040 U,J,O	< 0.0037 U,J,O	< 0.0051 U,J,O	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U,J,O	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U,J,O	< 0.0035 U
< 0.0040 U	< 0.0040 U,J,O	< 0.0037 U,J,O	< 0.0051 U,J,O	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U,J,O	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U,J,O	< 0.0037 U,J,O	< 0.0051 U,J,O	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U,J,O	< 0.0035 U
< 0.0040 U	< 0.0040 U,J,O	< 0.0037 U,J,O	< 0.0051 U,J,O	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U,J,O	< 0.0035 U
< 0.0081 U	< 0.0079 U	< 0.0074 U	< 0.01 U	< 0.0086 U	< 0.01 U	< 0.0079 U	**0.02**	< 0.0070 U
< 0.0081 U	< 0.0079 U	< 0.0074 U	< 0.01 U	< 0.0086 U	< 0.01 U	< 0.0079 U	< 0.0093 U	< 0.0070 U
< 0.0081 U	< 0.0079 U	< 0.0074 U	< 0.01 U	< 0.0086 U	< 0.01 U	< 0.0079 U	< 0.0093 U	< 0.0070 U
< 0.0081 U	< 0.0079 U	< 0.0074 U	< 0.01 U	< 0.0086 U	< 0.01 U	< 0.0079 U	**0.092**	< 0.0070 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U

AIP MNOP Site AIP132 5/12/2009 R4-C092301-86 AIP132-20090512 0 - 6 N	AIP MNOP Site AIP133 5/12/2009 R4-C092301-89 AIP133-20090512 0 - 6 N	AIP MNOP Site AIP133 5/12/2009 R4-C092301-88 AIP133-20090512 12 - 24 N	AIP MNOP Site AIP134 5/14/2009 R4-C092301-92 AIP134-20090514 0 - 6 N	AIP MNOP Site AIP134 5/14/2009 R4-C092301-90 AIP134-20090514 12 - 24 N	AIP MNOP Site AIP134 5/14/2009 R4-C092301-91 AIP134-20090514 12 - 24 FD	AIP MNOP Site AIP135 5/14/2009 R4-C092301-94 AIP135-20090514 0 - 6 N	AIP MNOP Site AIP135 5/14/2009 R4-C092301-93 AIP135-20090514 12 - 24 N	AIP MNOP Site AIP136 5/14/2009 R4-C092301-96 AIP136-20090514 0 - 6 N
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U,J,O	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U,J,O	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U,J,O	< 0.0059 U	< 0.0041 U,J,O	< 0.0039 U	< 0.0041 U	< 0.0040 U,J,O
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U,J,O	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U,J,O	< 0.0039 U,J,O	< 0.0038 U	< 0.0043 U,J,O	< 0.0059 U	< 0.0041 U,J,O	< 0.0039 U,J,O	< 0.0041 U	< 0.0040 U,J,O
< 0.0039 U,J,O	< 0.0039 U,J,O	< 0.0038 U	< 0.0043 U,J,O	< 0.0059 U	< 0.0041 U,J,O	< 0.0039 U,J,O	< 0.0041 U	< 0.0040 U,J,O
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U,J,O	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U,J,O	< 0.0039 U,J,O	< 0.0038 U	< 0.0043 U,J,O	< 0.0059 U	< 0.0041 U,J,O	< 0.0039 U,J,O	< 0.0041 U	< 0.0040 U,J,O
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U,J,O	< 0.0039 U,J,O	< 0.0038 U	< 0.0043 U,J,O	< 0.0059 U	< 0.0041 U,J,O	< 0.0039 U,J,O	< 0.0041 U	< 0.0040 U,J,O
< 0.0039 U,J,O	< 0.0039 U,J,O	< 0.0038 U	< 0.0043 U,J,O	< 0.0059 U	< 0.0041 U,J,O	< 0.0039 U,J,O	< 0.0041 U	< 0.0040 U,J,O
0.041	< 0.0078 U	< 0.0076 U	< 0.0085 U,J,O	< 0.012 U	< 0.0083 U	< 0.0077 U	< 0.0082 U	**0.02**
< 0.0079 U	< 0.0078 U	< 0.0076 U	< 0.0085 U,J,O	< 0.012 U	< 0.0083 U	< 0.0077 U	< 0.0082 U	< 0.0081 U
< 0.0079 U	< 0.0078 U	< 0.0076 U	< 0.0085 U,J,O	< 0.012 U	< 0.0083 U	< 0.0077 U	< 0.0082 U	< 0.0081 U
0.13		< 0.0076 U	< 0.0085 U,J,O	< 0.012 U,J,O	< 0.0083 U	< 0.0077 U	< 0.0082 U,J,O	**0.18 J,O**
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U

AIP MNOP Site AIP136 5/14/2009 R4-C092301-95 AIP136-20090514 12 - 24 N	AIP MNOP Site AIP137 5/14/2009 R4-C092301-98 AIP137-20090514 0 - 6 N	AIP MNOP Site AIP137 5/14/2009 R4-C092301-97 AIP137-20090514 12 - 24 N	AIP MNOP Site AIP138 5/12/2009 R4-C092302-01 AIP138-20090512 0 - 6 N	AIP MNOP Site AIP138 5/12/2009 R4-C092301-99 AIP138-20090512 12 - 24 N	AIP MNOP Site AIP139 5/12/2009 R4-C092302-03 AIP139-20090512 0 - 6 N	AIP MNOP Site AIP139 5/12/2009 R4-C092302-02 AIP139-20090512 12 - 24 N	AIP MNOP Site AIP140 5/13/2009 R4-C092302-06 AIP140-20090513 0 - 6 N	AIP MNOP Site AIP140 5/13/2009 R4-C092302-04 AIP140-20090513 12 - 24 N
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U,J,O	< 0.0044 U	< 0.0045 U,J,O	< 0.0038 U,J,O	< 0.0079 U,J,O	< 0.0077 U,J,O
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U,J,O	< 0.0038 U,J,O	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U,J,O	< 0.0044 U	< 0.0045 U,J,O	< 0.0038 U,J,O	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U,J,O	< 0.0054 U,J,O	< 0.0041 U,J,O	< 0.0044 U	< 0.0045 U,J,O	< 0.0038 U,J,O	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U,J,O	< 0.0054 U,J,O	< 0.0041 U,J,O	< 0.0044 U	< 0.0045 U,J,O	< 0.0038 U,J,O	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U,J,O	< 0.0054 U,J,O	< 0.0041 U,J,O	< 0.0044 U	< 0.0045 U,J,O	< 0.0038 U,J,O	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U,J,O	< 0.0054 U,J,O	< 0.0041 U,J,O	< 0.0044 U	< 0.0045 U,J,O	< 0.0038 U,J,O	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U,J,O	< 0.0054 U,J,O	< 0.0041 U,J,O	< 0.0044 U	< 0.0045 U,J,O	< 0.0038 U,J,O	< 0.0079 U	< 0.0077 U
< 0.0094 U	< 0.0093 U	< 0.011 U	< 0.0082 U	< 0.0088 U	< 0.0090 U	< 0.0076 U	< 0.016 U	< 0.015 U,J,O
< 0.0094 U	< 0.0093 U	< 0.011 U	< 0.0082 U	< 0.0088 U	< 0.0090 U	< 0.0076 U	< 0.016 U	< 0.015 U
< 0.0094 U	< 0.0093 U	< 0.011 U	< 0.0082 U	< 0.0088 U	< 0.0090 U	< 0.0076 U	< 0.016 U	< 0.015 U,J,O
0.013 J,O	< 0.0093 U	< 0.011 U		< 0.0088 U				
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U

AIP MNOP Site AIP140 5/13/2009 R4-C092302-05 AIP140-20090513 12 - 24 FD	AIP MNOP Site AIP141 5/13/2009 R4-C092302-08 AIP141-20090513 0 - 6 N	AIP MNOP Site AIP141 5/13/2009 R4-C092302-07 AIP141-20090513 12 - 24 N	AIP MNOP Site AIP142 5/14/2009 R4-C092302-10 AIP142-20090514 0 - 6 N	AIP MNOP Site AIP142 5/14/2009 R4-C092302-09 AIP142-20090514 12 - 24 N	AIP MNOP Site ISL-001 1/1/1996 ISL-001-1-2-19960101 ISL-001-19960101 1 - 2 N	AIP MNOP Site ISL-001 1/1/1996 ISL-001-15-16-19960101 ISL-001-19960101 15 - 16 N	AIP MNOP Site ISL-002 1/1/1996 ISL-002-1-2-19960101 ISL-002-19960101 1 - 2 N
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U,J,O	< 0.0074 U	< 0.0076 U,J,O	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U,J,O	< 0.0038 U,J,O			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U,J,O	< 0.0038 U,J,O			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U,J,O	< 0.0038 U,J,O			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U,J,O	< 0.0038 U,J,O			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U,J,O	< 0.0038 U,J,O			
< 0.016 U,J,O	< 0.015 U	< 0.015 U,J,O	< 0.0082 U	< 0.0077 U			
< 0.016 U	< 0.015 U	< 0.015 U	< 0.0082 U	< 0.0077 U			
< 0.016 U,J,O	< 0.015 U	< 0.015 U,J,O	< 0.0082 U	< 0.0077 U			
	< 0.015 U		< 0.0082 U	< 0.0077 U			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U,J,O			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U			

AIP MNOP Site ISL-002 1/1/1996 ISL-002-35-36-19960101 ISL-002-19960101 35 - 36 N	AIP MNOP Site ISL-002 1/1/1996 ISL-002A DUP-1-2-19960101 ISL-002-19960101 1 - 2 FD	AIP MNOP Site ISL-003 1/1/1996 ISL-003-1-2-19960101 ISL-003-19960101 1 - 2 N	AIP MNOP Site ISL-003 1/1/1996 ISL-003-30-31-19960101 ISL-003-19960101 30 - 31 N	AIP MNOP Site ISL-004 1/1/1996 ISL-004-1-3-19960101 ISL-004-19960101 1 - 3 N	AIP MNOP Site ISL-004 1/1/1996 ISL-004A DUP-1-3-19960101 ISL-004-19960101 1 - 3 FD

AIP MNOP Site ISL-005 1/1/1996 ISL-005-1-2-19960101 ISL-005-19960101 1 - 2 N	AIP MNOP Site ISL-005 1/1/1996 ISL-005-40-41-19960101 ISL-005-19960101 40 - 41 N	AIP MNOP Site ISL-006 1/1/1996 ISL-006-1-2-19960101 ISL-006-19960101 1 - 2 N	AIP MNOP Site ISL-006 1/1/1996 ISL-006-45-46-19960101 ISL-006-19960101 45 - 46 N	AIP MNOP Site ISL-007 1/1/1996 ISL-007-0-2-19960101 ISL-007-19960101 0 - 2 N	AIP MNOP Site ISL-007 1/1/1996 ISL-007-1-2-19960101 ISL-007-19960101 1 - 2 N	AIP MNOP Site ISL-008 1/1/1996 ISL-008-0-2-19960101 ISL-008-19960101 0 - 2 N

AIP MNOP Site ISL-008 1/1/1996 ISL-008-9-11-19960101 ISL-008-19960101 9 - 11 N	AIP MNOP Site ISL-009 1/1/1996 ISL-009-0-2-19960101 ISL-009-19960101 0 - 2 N	AIP MNOP Site ISL-009 1/1/1996 ISL-009-9-11-19960101 ISL-009-19960101 9 - 11 N	AIP MNOP Site ISL-009 1/1/1998 ISL-09-SURF-19980101 ISL-009-19980101 - N	AIP MNOP Site ISL-010 1/1/1996 ISL-010-0-2-19960101 ISL-010-19960101 0 - 2 N	AIP MNOP Site ISL-010 1/1/1996 ISL-010-14-16-19960101 ISL-010-19960101 14 - 16 N	AIP MNOP Site ISL-011 1/1/1996 ISL-011-0-2-19960101 ISL-011-19960101 0 - 2 N

AIP MNOP Site ISL-011 1/1/1996 ISL-011-14-16-19960101 ISL-011-19960101 14 - 16 N	AIP MNOP Site ISL-012 1/1/1996 ISL-012-1-2-19960101 ISL-012-19960101 1 - 2 N	AIP MNOP Site ISL-012 1/1/1996 ISL-012-35-36-19960101 ISL-012-19960101 35 - 36 N	AIP MNOP Site ISL-013 1/1/1996 ISL-013-0-2-19960101 ISL-013-19960101 0 - 2 N	AIP MNOP Site ISL-013 1/1/1996 ISL-013-24-26-19960101 ISL-013-19960101 24 - 26 N	AIP MNOP Site ISL-014 1/1/1996 ISL-014-0.5-2-19960101 ISL-014-19960101 0.5 - 2 N

AIP MNOP Site ISL-014 1/1/1996 ISL-014-35-36.5-19960101 ISL-014-19960101 35 - 36.5 N	AIP MNOP Site ISL-015 1/1/1996 ISL-015-1-2-19960101 ISL-015-19960101 1 - 2 N	AIP MNOP Site ISL-015 1/1/1996 ISL-015-25-26-19960101 ISL-015-19960101 25 - 26 N	AIP MNOP Site ISL-016 1/1/1996 ISL-016-1-2-19960101 ISL-016-19960101 1 - 2 N	AIP MNOP Site ISL-016 1/1/1996 ISL-016-30-31-19960101 ISL-016-19960101 30 - 31 N	AIP MNOP Site ISL-017 1/1/1996 ISL-017-1-2-19960101 ISL-017-19960101 1 - 2 N

AIP MNOP Site ISL-017 1/1/1996 ISL-017-20-21-19960101 ISL-017-19960101 20 - 21 N	AIP MNOP Site ISL-020 1/1/1996 ISL-020-1-2-19960101 ISL-020-19960101 1 - 2 N	AIP MNOP Site ISL-020 1/1/1996 ISL-020A DUP-1-2-19960101 ISL-020-19960101 1 - 2 FD	AIP MNOP Site ISL-021 1/1/1996 ISL-021-1-2-19960101 ISL-021-19960101 1 - 2 N	AIP MNOP Site ISL-021 1/1/1996 ISL-021-40-41-19960101 ISL-021-19960101 40 - 41 N	AIP MNOP Site ISL-022 1/1/1996 ISL-022-1-2-19960101 ISL-022-19960101 1 - 2 N

AIP MNOP Site ISL-022 1/1/1996 ISL-022-15-16-19960101 ISL-022-19960101 15 - 16 N	AIP MNOP Site ISL-022 1/1/1996 ISL-022A DUP-1-2-19960101 ISL-022-19960101 1 - 2 FD	AIP MNOP Site ISL-023 1/1/1996 ISL-023-1-2-19960101 ISL-023-19960101 1 - 2 N	AIP MNOP Site ISL-023 1/1/1996 ISL-023-15-16-19960101 ISL-023-19960101 15 - 16 N	AIP MNOP Site ISL-024 1/1/1996 ISL-024-1-2-19960101 ISL-024-19960101 1 - 2 N	AIP MNOP Site ISL-024 1/1/1996 ISL-024-30-31-19960101 ISL-024-19960101 30 - 31 N

AIP MNOP Site ISL-025 1/1/1996 ISL-025-1-2-19960101 ISL-025-19960101 1 - 2 N	AIP MNOP Site ISL-025 1/1/1996 ISL-025-25-26-19960101 ISL-025-19960101 25 - 26 N	AIP MNOP Site ISL-026 1/1/1996 ISL-026-1-2-19960101 ISL-026-19960101 1 - 2 N	AIP MNOP Site ISL-026 1/1/1996 ISL-026-35-37-19960101 ISL-026-19960101 35 - 37 N	AIP MNOP Site ISL-026 1/1/1996 ISL-026A DUP-1-2-19960101 ISL-026-19960101 1 - 2 FD	AIP MNOP Site ISL-026 1/1/1996 ISL-026A DUP-35-37-19960101 ISL-026-19960101 35 - 37 FD

AIP MNOP Site ISL-027 1/1/1996 ISL-027-1-2-19960101 ISL-027-19960101 1 - 2 N	AIP MNOP Site ISL-027 1/1/1996 ISL-027-30-31-19960101 ISL-027-19960101 30 - 31 N	AIP MNOP Site ISL-028 1/1/1996 ISL-028-1-2-19960101 ISL-028-19960101 1 - 2 N	AIP MNOP Site ISL-028 1/1/1996 ISL-028-35-36-19960101 ISL-028-19960101 35 - 36 N	AIP MNOP Site ISL-029 1/1/1996 ISL-029-1-2-19960101 ISL-029-19960101 1 - 2 N	AIP MNOP Site ISL-029 1/1/1996 ISL-029-35-36-19960101 ISL-029-19960101 35 - 36 N	AIP MNOP Site ISL-030 1/1/1996 ISL-030-1-2-19960101 ISL-030-19960101 1 - 2 N

AIP MNOP Site ISL-030 1/1/1996 ISL-030-35-36-19960101 ISL-030-19960101 35 - 36 N	AIP MNOP Site ISL-031 1/1/1996 ISL-031-0-2-19960101 ISL-031-19960101 0 - 2 N	AIP MNOP Site ISL-031 1/1/1996 ISL-031-14-16-19960101 ISL-031-19960101 14 - 16 N	AIP MNOP Site ISL-032 1/1/1996 ISL-032-0-2-19960101 ISL-032-19960101 0 - 2 N	AIP MNOP Site ISL-032 1/1/1996 ISL-032-14-16-19960101 ISL-032-19960101 14 - 16 N	AIP MNOP Site ISL-033 1/1/1996 ISL-033-1-2-19960101 ISL-033-19960101 1 - 2 N

AIP MNOP Site ISL-033 1/1/1996 ISL-033-25-26-19960101 ISL-033-19960101 25 - 26 N	AIP MNOP Site ISL-034 1/1/1996 ISL-034-0-2-19960101 ISL-034-19960101 0 - 2 N	AIP MNOP Site ISL-034 1/1/1996 ISL-034-14-16-19960101 ISL-034-19960101 14 - 16 N	AIP MNOP Site ISL-035 1/1/1996 ISL-035-0-2-19960101 ISL-035-19960101 0 - 2 N	AIP MNOP Site ISL-035 1/1/1996 ISL-035-19-21-19960101 ISL-035-19960101 19 - 21 N	AIP MNOP Site ISL-036 1/1/1996 ISL-036-1-2-19960101 ISL-036-19960101 1 - 2 N

AIP MNOP Site ISL-036 1/1/1996 ISL-036-45-46-19960101 ISL-036-19960101 45 - 46 N	AIP MNOP Site ISL-037 1/1/1996 ISL-037 DUP-1-2-19960101 ISL-037-19960101 1 - 2 FD	AIP MNOP Site ISL-037 1/1/1996 ISL-037 DUP-40-41-19960101 ISL-037-19960101 40 - 41 FD	AIP MNOP Site ISL-037 1/1/1996 ISL-037-1-2-19960101 ISL-037-19960101 1 - 2 N	AIP MNOP Site ISL-037 1/1/1996 ISL-037-40-41-19960101 ISL-037-19960101 40 - 41 N	AIP MNOP Site ISL-038 1/1/1996 ISL-038-1-2-19960101 ISL-038-19960101 1 - 2 N

AIP MNOP Site ISL-038 1/1/1996 ISL-038-40-41-19960101 ISL-038-19960101 40 - 41 N	AIP MNOP Site ISL-039 1/1/1996 ISL-039-1-2-19960101 ISL-039-19960101 1 - 2 N	AIP MNOP Site ISL-039 1/1/1996 ISL-039-40-41-19960101 ISL-039-19960101 40 - 41 N	AIP MNOP Site ISL-040 1/1/1996 ISL-040-1-2-19960101 ISL-040-19960101 1 - 2 N	AIP MNOP Site ISL-040 1/1/1996 ISL-040-30-31-19960101 ISL-040-19960101 30 - 31 N	AIP MNOP Site ISL-041 1/1/1996 ISL-041-1-2-19960101 ISL-041-19960101 1 - 2 N

AIP MNOP Site ISL-041 1/1/1996 ISL-041-35-36-19960101 ISL-041-19960101 35 - 36 N	AIP MNOP Site ISL-041 1/1/1996 ISL-041A DUP-1-2-19960101 ISL-041-19960101 1 - 2 FD	AIP MNOP Site ISL-042 1/1/1996 ISL-042-1-2-19960101 ISL-042-19960101 1 - 2 N	AIP MNOP Site ISL-042 1/1/1996 ISL-042-32-33-19960101 ISL-042-19960101 32 - 33 N	AIP MNOP Site ISL-043 1/1/1996 ISL-043-1-2-19960101 ISL-043-19960101 1 - 2 N	AIP MNOP Site ISL-043 1/1/1996 ISL-043-19-20-19960101 ISL-043-19960101 19 - 20 N

AIP MNOP Site ISL-043 1/1/1996 ISL-043A DUP-1-2-19960101 ISL-043-19960101 1 - 2 FD	AIP MNOP Site ISL-044 1/1/1996 ISL-044-1-2-19960101 ISL-044-19960101 1 - 2 N	AIP MNOP Site ISL-044 1/1/1996 ISL-044-50-51-19960101 ISL-044-19960101 50 - 51 N	AIP MNOP Site ISL-045 1/1/1996 ISL-045-1-2-19960101 ISL-045-19960101 1 - 2 N	AIP MNOP Site ISL-045 1/1/1996 ISL-045-50-51-19960101 ISL-045-19960101 50 - 51 N	AIP MNOP Site ISL-046 1/1/1996 ISL-046-1-2-19960101 ISL-046-19960101 1 - 2 N

AIP MNOP Site ISL-046 1/1/1996 ISL-046-14-15-19960101 ISL-046-19960101 14 - 15 N	AIP MNOP Site ISL-047 1/1/1996 ISL-047-1-2-19960101 ISL-047-19960101 1 - 2 N	AIP MNOP Site ISL-047 1/1/1996 ISL-047-14-15-19960101 ISL-047-19960101 14 - 15 N	AIP MNOP Site ISL-048 1/1/1996 ISL-048-0-2-19960101 ISL-048-19960101 0 - 2 N	AIP MNOP Site ISL-048 1/1/1996 ISL-048-29-31-19960101 ISL-048-19960101 29 - 31 N	AIP MNOP Site ISL-049 1/1/1996 ISL-049-12-13-19960101 ISL-049-19960101 12 - 13 N

AIP MNOP Site ISL-049 1/1/1996 ISL-049-1-2-19960101 ISL-049-19960101 1 - 2 N	AIP MNOP Site ISL-050 1/1/1996 ISL-050-14-15-19960101 ISL-050-19960101 14 - 15 N	AIP MNOP Site ISL-050 1/1/1996 ISL-050-3-4-19960101 ISL-050-19960101 3 - 4 N	AIP MNOP Site ISL-051 1/1/1996 ISL-051-1-2-19960101 ISL-051-19960101 1 - 2 N	AIP MNOP Site ISL-051 1/1/1996 ISL-051-45-46-19960101 ISL-051-19960101 45 - 46 N	AIP MNOP Site ISL-052 1/1/1996 ISL-052-0.5-2-19960101 ISL-052-19960101 0.5 - 2 N

AIP MNOP Site ISL-052 1/1/1996 ISL-052-45-46-19960101 ISL-052-19960101 45 - 46 N	AIP MNOP Site ISL-053 1/1/1996 ISL-053-0.5-2-19960101 ISL-053-19960101 0.5 - 2 N	AIP MNOP Site ISL-053 1/1/1996 ISL-053-30-31-19960101 ISL-053-19960101 30 - 31 N	AIP MNOP Site ISL-054 1/1/1996 ISL-054-0.5-2-19960101 ISL-054-19960101 0.5 - 2 N	AIP MNOP Site ISL-054 1/1/1996 ISL-054-45-46-19960101 ISL-054-19960101 45 - 46 N	AIP MNOP Site ISL-055 1/1/1996 ISL-055-1-2-19960101 ISL-055-19960101 1 - 2 N

AIP MNOP Site ISL-055 1/1/1996 ISL-055-40-41-19960101 ISL-055-19960101 40 - 41 N	AIP MNOP Site ISL-056 1/1/1996 ISL-056-1-2-19960101 ISL-056-19960101 1 - 2 N	AIP MNOP Site ISL-056 1/1/1996 ISL-056-50-51-19960101 ISL-056-19960101 50 - 51 N	AIP MNOP Site ISL-057 1/1/1996 ISL-057-1-2-19960101 ISL-057-19960101 1 - 2 N	AIP MNOP Site ISL-057 1/1/1996 ISL-057-55-56-19960101 ISL-057-19960101 55 - 56 N	AIP MNOP Site ISL-058 1/1/1996 ISL-058-1-2-19960101 ISL-058-19960101 1 - 2 N

AIP MNOP Site ISL-058 1/1/1996 ISL-058-55-56-19960101 ISL-058-19960101 55 - 56 N	AIP MNOP Site ISL-059 1/1/1996 ISL-059-1-2-19960101 ISL-059-19960101 1 - 2 N	AIP MNOP Site ISL-059 1/1/1996 ISL-059-55-56-19960101 ISL-059-19960101 55 - 56 N	AIP MNOP Site ISL-060 1/1/1996 ISL-060-1-2-19960101 ISL-060-19960101 1 - 2 N	AIP MNOP Site ISL-060 1/1/1996 ISL-060-35-36-19960101 ISL-060-19960101 35 - 36 N	AIP MNOP Site ISL-063 1/1/1996 ISL-063-1-2-19960101 ISL-063-19960101 1 - 2 N

AIP MNOP Site ISL-063 1/1/1996 ISL-063-40-41-19960101 ISL-063-19960101 40 - 41 N	AIP MNOP Site ISL-064 1/1/1998 ISL-64-SURF-19980101 ISL-064-19980101 0 - 1 N	AIP MNOP Site ISL-065 1/1/1998 ISL-65-SURF-19980101 ISL-065-19980101 0 - 1 N	AIP MNOP Site ISL-066 1/1/1998 ISL-66-A-SURF-19980101 ISL-066-19980101 0 - 1 FD	AIP MNOP Site ISL-066 1/1/1998 ISL-66-SURF-19980101 ISL-066-19980101 0 - 1 N	AIP MNOP Site ISL-067 1/1/1998 ISL-67-SURF-19980101 ISL-067-19980101 0 - 1 N	AIP MNOP Site ISL-068 1/1/1998 ISL-68-SURF-19980101 ISL-068-19980101 0 - 1 N
	< 0.006 U	< 0.0056 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0067 U
	< 0.006 U	< 0.0056 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0057 U
	0.102 NJ					
	< 0.006 U	< 0.0056 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0057 U
	< 0.006 U	< 0.0056 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0057 U
	< 0.006 U	< 0.0056 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0057 U
	< 0.006 U	< 0.0056 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0057 U
	< 0.006 U	< 0.0056 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0057 U
	< 0.006 U	< 0.0056 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0057 U
	< 0.0119 U	< 0.0112 U	< 0.0109 U	< 0.0109 U	< 0.011 U	< 0.0115 U
	< 0.0119 U	< 0.0112 U	< 0.0109 U	< 0.0109 U	< 0.011 U	< 0.0115 U
	< 0.0119 U	< 0.0112 U	< 0.0109 U	< 0.0109 U	< 0.011 U	< 0.0115 U
	< 0.0119 U	**0.0118 J**	< 0.0109 U	< 0.0109 U	< 0.011 U	< 0.0115 U
	< 0.006 U	< 0.0056 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0057 U
	< 0.006 U	< 0.0056 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0057 U

AIP MNOP Site ISL-069 1/1/1998 ISL-69-A-SURF-19980101 ISL-069-19980101 0 - 1 FD	AIP MNOP Site ISL-069 1/1/1998 ISL-69-SURF-19980101 ISL-069-19980101 0 - 1 N	AIP MNOP Site ISL-070 1/1/1998 ISL-70-SURF-19980101 ISL-070-19980101 0 - 1 N	AIP MNOP Site ISL-071 1/1/1998 ISL-71-SURF-19980101 ISL-071-19980101 0 - 1 N	AIP MNOP Site ISL-072 1/1/1998 ISL-72-SURF-19980101 ISL-072-19980101 0 - 1 N	AIP MNOP Site ISL-073 1/1/1998 ISL-73-SURF-19980101 ISL-073-19980101 0 - 1 N	AIP MNOP Site ISL-074 1/1/1998 ISL-74-A-SURF-19980101 ISL-074-19980101 0 - 1 FD
< 0.0056 U	< 0.0054 U	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0074 U	< 0.0056 U
< 0.0056 UJ	< 0.0054 U	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0074 U	< 0.0056 U
				0.0081 NJ		**0.0121 NJ**
< 0.0056 U	< 0.0054 U	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0074 U	< 0.0056 U
< 0.0056 U	< 0.0054 U	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0074 U	< 0.0056 U
< 0.0056 U	< 0.0059 U	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0074 U	< 0.0056 U
< 7.36 U	< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	
< 7.36 U	< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	
< 0.0056 U	< 0.0054 U	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0074 U	< 0.0056 U
< 0.0056 U	< 0.0059 U	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0074 U	< 0.0056 U
< 0.0056 U	< 0.0054 U	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0074 U	< 0.0056 U
< 7.36 U	< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	
< 7.36 U	< 14.2 U	< 0.383 U	< 0.367 U	< 0.364 U	< 0.48 U	
< 0.0111 U	< 0.0109 U	**0.0118 J**	< 0.0111 U	< 0.0111 U	< 0.0147 U	< 0.0112 U
< 0.0111 U	< 0.0109 U	< 0.0115 U	< 0.0111 U	< 0.0111 U	< 0.0147 U	< 0.0112 U
< 0.0111 U	< 0.0054 U	< 0.0115 U	< 0.0111 U	< 0.0111 U	< 0.0147 U	< 0.0112 U
< 0.0111 U	< 0.0109 U	**0.0454 J**	< 0.0111 U	**0.0022 J**	< 0.0147 U	< 0.0112 U
< 0.0056 U	< 0.0054 U	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0074 U	< 0.0056 U
< 0.0056 U	< 0.0054 U	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0074 U	< 0.0056 U

AIP MNOP Site ISL-074 1/1/1998 ISL-74-SURF-19980101 ISL-074-19980101 0 - 1 N	AIP MNOP Site ISL-075 1/1/1998 ISL-75-SURF-19980101 ISL-075-19980101 0 - 1 N	AIP MNOP Site ISL-076 1/1/1998 ISL-76-SURF-19980101 ISL-076-19980101 0 - 1 N	AIP MNOP Site ISL-077 1/1/1998 ISL-77-A-SURF-19980101 ISL-077-19980101 0 - 1 FD	AIP MNOP Site ISL-077 1/1/1998 ISL-77-SURF-19980101 ISL-077-19980101 0 - 1 N	AIP MNOP Site ISL-078 1/1/1998 ISL-78-SURF-19980101 ISL-078-19980101 0 - 1 N	AIP MNOP Site ISL-079 1/1/1998 ISL-79-SURF-19980101 ISL-079-19980101 0 - 1 N
< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	< 0.0053 U	< 0.0056 U
< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	< 0.0053 U	< 0.0056 U
0.008 NJ		**0.0467 NJ**	**0.0195 J**	**0.0225 J**		
< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	< 0.0053 U	< 0.0056 U
< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	< 0.0053 U	< 0.0056 U
< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	< 0.0053 U	< 0.0056 U
< 0.353 U						
< 0.353 U						
< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	< 0.0053 U	< 0.0056 U
< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	< 0.0053 U	< 0.0056 U
< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	< 0.0053 U	< 0.0056 U
< 0.353 U						
< 0.353 U						
< 0.0106 U	< 0.0116 U	< 0.0119 U	< 0.011 U	< 0.011 U	< 0.0106 U	< 0.0111 R
< 0.0106 U	< 0.0116 U	< 0.0119 U	< 0.011 U	< 0.011 U	< 0.0106 U	< 0.0111 U
< 0.0106 U	< 0.0116 U	< 0.0119 U	< 0.011 U	< 0.011 U	< 0.0106 U	< 0.0111 U
< 0.01060 U	< 0.0116 U	< 0.0119 U	< 0.011 U	< 0.011 U	**0.0143 J**	< 0.0111 UJ
< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	< 0.0053 U	< 0.0056 U
< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	< 0.0053 U	< 0.0056 U

AIP MNOP Site ISL-080 1/1/1998 ISL-80-SURF-19980101 ISL-080-19980101 0 - 1 N	AIP MNOP Site ISL-081 1/1/1998 ISL-81-SURF-19980101 ISL-081-19980101 0 - 1 N	AIP MNOP Site ISL-082 1/1/1998 ISL-82-SURF-19980101 ISL-082-19980101 0 - 1 N	AIP MNOP Site ISL-083 1/1/1998 ISL-83-SURF-19980101 ISL-083-19980101 0 - 1 N	AIP MNOP Site ISL-084 1/1/1998 ISL-84-SURF-19980101 ISL-084-19980101 0 - 1 N	AIP MNOP Site ISL-085 1/1/1998 ISL-85-SURF-19980101 ISL-085-19980101 0 - 1 N	AIP MNOP Site ISL-086 1/1/1998 ISL-86-SURF-19980101 ISL-086-19980101 0 - 1 N
< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 U	< 0.0056 U
< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 UJ	< 0.0056 U
						0.0104 NJ
< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 U	< 0.0056 U
< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 U	< 0.0056 U
< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 U	< 0.0056 U
	< 0.381 U					
	< 0.381 U					
< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 U	< 0.0056 U
< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 U	< 0.0056 U
< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 U	< 0.0056 U
	< 0.381 U					
	< 0.381 U					
< 0.011 R	< 0.0115 R	< 0.0109 U	< 0.0112 U	< 0.0105 U	< 0.0112 R	< 0.0112 U
< 0.011 U	< 0.0115 U	< 0.0109 U	< 0.0112 U	< 0.0105 U	< 0.0112 U	< 0.0112 U
< 0.011 U	< 0.0115 U	< 0.0109 U	< 0.0112 U	< 0.0105 U	< 0.0112 U	< 0.0112 U
< 0.011 UJ	< 0.01150 UJ	< 0.0109 U	< 0.0112 U	< 0.0105 U	< 0.0112 UJ	**0.0135**
< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 U	< 0.0056 U
< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 U	< 0.0056 U

AIP MNOP Site ISL-087 1/1/1998 ISL-87-SURF-19980101 ISL-087-19980101 0 - 1 N	AIP MNOP Site ISL-088 1/1/1998 ISL-88-SURF-19980101 ISL-088-19980101 0 - 1 N	AIP MNOP Site ISL-089 1/1/1998 ISL-89-SURF-19980101 ISL-089-19980101 0 - 1 N	AIP MNOP Site ISL-090 1/1/1998 ISL-90-SURF-19980101 ISL-090-19980101 0 - 1 N	AIP MNOP Site ISL-091 1/1/1998 ISL-91-SURF-19980101 ISL-091-19980101 0 - 1 N	AIP MNOP Site ISL-092 1/1/1998 ISL-92-SURF-19980101 ISL-092-19980101 0 - 1 N	AIP MNOP Site ISL-093 1/1/1998 ISL-93-SURF-19980101 ISL-093-19980101 0 - 1 N
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0056 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0056 U
0.0282 NJ	**0.0178 NJ**					**0.0106 NJ**
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0056 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0056 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0056 U
		< 0.37 U				
		< 0.37 U				
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0056 U
< 0.0056 U	< 0.0057 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0056 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0056 U
		< 0.37 U				
		< 0.37 U				
< 0.0114 U	< 0.0111 U	< 0.0114 U	< 0.0112 U	< 0.0115 U	< 0.011 U	< 0.0112 U
< 0.01147 U	< 0.0111 U	< 0.0114 U	< 0.0112 U	< 0.0115 U	< 0.011 U	< 0.0112 U
< 0.0114 U	< 0.0111 U	< 0.0114 U	< 0.0112 U	< 0.0115 U	< 0.011 U	< 0.0112 U
< 0.0114 U	< 0.0111 U	< 0.0114 U	< 0.0112 U	< 0.0115 U	**0.0291 J**	**0.0415 J**
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0056 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0056 U

AIP MNOP Site ISL-094 1/1/1998 ISL-94-SURF-19980101 ISL-094-19980101 0 - 1 N	AIP MNOP Site ISL-095 1/1/1998 ISL-95-SURF-19980101 ISL-095-19980101 0 - 1 N	AIP MNOP Site ISL-096 1/1/1998 ISL-96-SURF-19980101 ISL-096-19980101 0 - 1 N	AIP MNOP Site ISL-097 1/1/1998 ISL-97-SURF-19980101 ISL-097-19980101 0 - 1 N	AIP MNOP Site ISL-098 1/1/1998 ISL-98-SURF-19980101 ISL-098-19980101 0 - 1 N	AIP MNOP Site ISL-098 1/1/1998 LSL-98-SURF-19980101 ISL-098-19980101 0 - 1 N	AIP MNOP Site ISL-099 1/1/1998 ISL-99-SURF-19980101 ISL-099-19980101 0 - 1 N
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0057 U	< 0.0056 U		< 0.0054 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0057 U	< 0.0056 U		< 0.0054 U
		0.0262 NJ				
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0057 U	< 0.0056 U		< 0.0054 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0057 U	< 0.0056 U		< 0.0054 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0057 U	< 0.0056 U		< 0.0054 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0057 U	< 0.0056 U		< 0.0054 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0057 U	< 0.0056 U		< 0.0054 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0057 U	< 0.0056 U		< 0.0054 U
< 0.0114 R	< 0.0112 U	< 0.0114 U	< 0.0114 U	< 0.0111 U		< 0.0108 U
< 0.0114 U	< 0.0112 U	< 0.0114 U	< 0.0114 U	< 0.0111 U		< 0.0108 U
< 0.0114 U	< 0.0112 U	< 0.0114 U	< 0.0114 U	< 0.0111 U		< 0.0108 U
< 0.0114 U	< 0.0112 U	< 0.0114 U	< 0.0114 U	< 0.0111 UJ		< 0.0108 UJ
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0057 U	< 0.0056 U		< 0.0054 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0057 U	< 0.0056 U		< 0.0054 U

AIP MNOP Site ISL-100 1/1/1998 ISL-100-SURFACE-19980101 ISL-100-19980101 0 - 1 N	AIP MNOP Site ISL-101 1/1/1998 ISL-101-SURFACE-19980101 ISL-101-19980101 0 - 1 N	AIP MNOP Site ISL-102 1/1/1998 ISL-102-SURFACE-19980101 ISL-102-19980101 0 - 1 N	AIP MNOP Site ISL-103 1/1/1998 ISL-103-SURFACE-19980101 ISL-103-19980101 0 - 1 N	AIP MNOP Site ISL-104 1/1/1998 ISL-104-SURFACE-19980101 ISL-104-19980101 0 - 1 N
< 0.0057 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0056 U
< 0.0057 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0056 U
< 0.0057 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0056 U
< 0.0057 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0056 U
< 0.0057 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0056 U
< 0.0057 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0056 U
< 0.0057 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0056 U
< 0.0057 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0056 U
< 0.0114 U	< 0.0115 U	< 0.0109 U	< 0.0111 U	< 0.0111 U
< 0.0114 U	< 0.0115 U	< 0.0109 U	< 0.0111 U	< 0.0111 U
< 0.0114 U	< 0.0115 U	< 0.0109 U	< 0.0111 U	< 0.0111 U
< 0.0114 UJ	**0.0127 J**	< 0.0109 U	**0.0041 J**	**0.003 J**
< 0.0057 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0056 U
< 0.0057 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0056 U

AIP MNOP Site ISL-105 1/1/1998 ISL-105A-SURFACE-19980101 ISL-105-19980101 0 - 1 FD	AIP MNOP Site ISL-105 1/1/1998 ISL-105-SURFACE-19980101 ISL-105-19980101 0 - 1 N	AIP MNOP Site ISL-106 1/1/1998 ISL-106-SURFACE-19980101 ISL-106-19980101 0 - 1 N	AIP MNOP Site ISL-107 1/1/1998 ISL-107-SURFACE-19980101 ISL-107-19980101 0 - 1 N	AIP MNOP Site ISL-108 1/1/1998 ISL-108-SURFACE-19980101 ISL-108-19980101 0 - 1 N
< 0.0055 U	< 0.0056 U	< 0.0056 U	< 0.0066 UJ	< 0.0056 U
< 0.0055 U	< 0.0056 U	< 0.0056 U	< 0.0066 UJ	< 0.0056 U
< 0.0055 U	< 0.0056 U	< 0.0056 U	< 0.0066 UJ	< 0.0056 U
< 0.0055 U	< 0.0056 U	< 0.0056 U	< 0.0066 UJ	< 0.0056 U
< 0.0055 U	< 0.0056 U	< 0.0056 U	< 0.0066 UJ	< 0.0056 U
< 0.0055 U	< 0.0056 U	< 0.0056 U	< 0.0066 UJ	< 0.0056 U
< 0.0055 U	< 0.0056 U	< 0.0056 U	< 0.0066 UJ	< 0.0056 U
< 0.0055 U	< 0.0056 U	< 0.0056 U	< 0.0066 UJ	< 0.0056 U
< 0.011 U	< 0.0111 U	< 0.0112 U	**0.016 J**	< 0.0112 U
< 0.011 U	< 0.0111 U	< 0.0112 U	< 0.0132 UJ	< 0.0112 U
< 0.011 U	< 0.0111 U	< 0.0112 U	< 0.0132 UJ	< 0.0112 U
< 0.011 UJ	< 0.0111 UJ	< 0.0112 UJ	**0.166 J**	< 0.0112 UJ
< 0.0055 U	< 0.0056 U	< 0.0056 U	< 0.0066 UJ	< 0.0056 U
< 0.0055 U	< 0.0056 U	< 0.0056 U	< 0.0066 UJ	< 0.0056 U

AIP MNOP Site ISL-109 1/1/1998 ISL-109-01-SUBSURF-19980101 ISL-109-19980101 0 - 2 N	AIP MNOP Site ISL-109 1/1/1998 ISL-109-02-SUBSURF-19980101 ISL-109-19980101 24 - 26 N	AIP MNOP Site ISL-109 1/1/1998 ISL-109-03-SUBSURF-19980101 ISL-109-19980101 36 - 38 N	AIP MNOP Site ISL-110 1/1/1998 ISL-110-01-SUBSURF-19980101 ISL-110-19980101 0 - 2 N	AIP MNOP Site ISL-110 1/1/1998 ISL-110-02-SUBSURF-19980101 ISL-110-19980101 14 - 16 N
< 0.0056 U	< 0.0055 U	< 0.0056 U	< 0.0054 U	< 0.0057 U
< 0.0056 U	< 0.0055 U	< 0.0056 U	< 0.0054 U	< 0.0057 U
< 0.0056 U	< 0.0055 U	< 0.0056 U	< 0.0054 U	< 0.0057 U
< 0.0056 U	< 0.0055 U	< 0.0056 U	< 0.0054 U	< 0.0057 U
< 0.0056 U	< 0.0055 U	< 0.0056 U	< 0.0054 U	< 0.0057 U
< 0.0056 U	< 0.0055 U	< 0.0056 U	< 0.0054 U	< 0.0057 U
< 0.0056 U	< 0.0055 U	< 0.0056 U	< 0.0054 U	< 0.0057 U
< 0.0056 U	< 0.0055 U	< 0.0056 U	< 0.0054 U	< 0.0057 U
< 0.0111 R	< 0.011 R	< 0.0112 R	< 0.0108 R	< 0.0115 R
< 0.0111 UJ	< 0.011 UJ	< 0.0112 U	< 0.0108 U	< 0.0115 UJ
< 0.0111 U	< 0.011 U	< 0.0112 U	< 0.0108 U	< 0.0115 U
< 0.0111 UJ	< 0.011 UJ	< 0.0112 UJ	< 0.0108 UJ	< 0.0115 UJ
< 0.0056 U	< 0.0055 U	< 0.0056 U	< 0.0054 U	< 0.0057 U
< 0.0056 U	< 0.0055 U	< 0.0056 U	< 0.0054 U	< 0.0057 U

AIP MNOP Site ISL-110 1/1/1998 ISL-110-03-SUBSURF-19980101 ISL-110-19980101 36 - 38 N	AIP MNOP Site ISL-111 1/1/1998 ISL-111-01-SUBSURF-19980101 ISL-111-19980101 0 - 2 N	AIP MNOP Site ISL-111 1/1/1998 ISL-111-02-SUBSURF-19980101 ISL-111-19980101 12 - 14 N	AIP MNOP Site ISL-111 1/1/1998 ISL-111-03-SUBSURF-19980101 ISL-111-19980101 28 - 30 N	AIP MNOP Site ISL-112 1/1/1998 ISL-112-01-SUBSURF-19980101 ISL-112-19980101 0 - 2 N
< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0054 U
< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0054 U
< 0.0056 U	< 0.0056 U	< 0.0057 U		< 0.0054 U
< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0054 U
< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0054 U
< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0054 U
< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0054 U
< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0054 U
< 0.0112 R	< 0.0112 R	< 0.0115 R	< 0.0055 U	< 0.0109 U
< 0.0112 UJ	< 0.0112 U	< 0.0115 R	< 0.011 UJ	< 0.0109 U
< 0.0112 U	< 0.0112 U	< 0.0115 U	< 0.011 U	< 0.0109 U
< 0.0112 UJ	< 0.0112 UJ	< 0.0115 UJ	< 0.0055 U	< 0.0109 UJ
< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0054 U
< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0054 U

AIP MNOP Site ISL-112 1/1/1998 ISL-112-02-SUBSURF-19980101 ISL-112-19980101 14 - 16 N	AIP MNOP Site ISL-112 1/1/1998 ISL-112-03-SUBSURF-19980101 ISL-112-19980101 30 - 32 N	AIP MNOP Site ISL-113 1/1/1998 ISL-113-SURFACE-19980101 ISL-113-19980101 0 - 1 N	AIP MNOP Site ISL-114 1/1/1998 ISL-114-SURF-19980101 ISL-114-19980101 - N	AIP MNOP Site ISL-115 1/1/1998 ISL-115-01-A-SUBSURF-19980101 ISL-115-19980101 0 - 2 FD
< 0.0062 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0052 U
< 0.0062 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0052 U
			0.0192 NJ	
< 0.0062 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0052 U
< 0.0062 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0052 U
< 0.0062 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0052 U
		< 1.5 U	< 0.381 U	
		< 1.5 U	< 0.381 U	
< 0.0062 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0052 U
< 0.0062 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0052 U
< 0.0062 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0052 U
		< 1.5 U	< 0.381 U	
		< 1.5 U	< 0.381 U	
< 0.0123 R	< 0.0115 R	< 0.0114 U	< 0.0115 U	< 0.0104 R
< 0.0123 U	< 0.0115 U	< 0.0114 U	< 0.0115 U	< 0.0104 U
< 0.0123 U	< 0.0115 U	< 0.0114 U	< 0.0115 U	< 0.0104 U
< 0.0123 UJ	< 0.0115 UJ	**0.002 J**	< 0.0115 U	< 0.0104 UJ
< 0.0062 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0052 U
< 0.0062 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0052 U

AIP MNOP Site ISL-115 1/1/1998 ISL-115-01-SUBSURF-19980101 ISL-115-19980101 0 - 2 N	AIP MNOP Site ISL-115 1/1/1998 ISL-115-02-SUBSURF-19980101 ISL-115-19980101 8 - 10 N	AIP MNOP Site ISL-115 1/1/1998 ISL-115-03-SUBSURF-19980101 ISL-115-19980101 16 - 18 N	AIP MNOP Site ISL-116 1/1/1998 ISL-116-01-A-SUBSURF-19980101 ISL-116-19980101 0 - 2 FD	AIP MNOP Site ISL-116 1/1/1998 ISL-116-01-SUBSURF-19980101 ISL-116-19980101 0 - 2 N
< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U
< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U
< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U
< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U
< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U
< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U
< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U
< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U
< 0.0104 R	< 0.0112 R	**0.0165 J**	< 0.0108 R	< 0.011 R
< 0.0104 UJ	< 0.0112 U	**0.0062 J**	< 0.0108 UJ	< 0.011 U
< 0.0104 U	< 0.0112 U	**0.0133**	< 0.0108 U	< 0.011 U
< 0.0104 UJ	< 0.0112 UJ	**0.0044 J**	< 0.0108 UJ	< 0.011 UJ
< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U
< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U

AIP MNOP Site ISL-116 1/1/1998 ISL-116-02-SUBSURF-19980101 ISL-116-19980101 6 - 8 N	AIP MNOP Site ISL-116 1/1/1998 ISL-116-03-SUBSURF-19980101 ISL-116-19980101 26 - 28 N	AIP MNOP Site ISL-117 1/1/1998 ISL-117-01-A-SUBSURF-19980101 ISL-117-19980101 0 - 2 FD	AIP MNOP Site ISL-117 1/1/1998 ISL-117-01-SUBSURF-19980101 ISL-117-19980101 0 - 3 N	AIP MNOP Site ISL-117 1/1/1998 ISL-117-02-SUBSURF-19980101 ISL-117-19980101 0 - 2 N
< 0.0057 U	< 0.0055 U	< 0.0057 U	< 0.0057 U	< 0.0685 U
< 0.0057 U	< 0.0055 U	< 0.0057 U	< 0.0057 U	< 0.0685 UJ
		0.0253 NJ		
< 0.0057 U	< 0.0055 U	< 0.0057 U	< 0.0057 U	< 0.0685 U
< 0.0057 U	< 0.0055 U	< 0.0057 U	< 0.0057 U	< 0.0685 U
< 0.0057 U	< 0.0055 U	< 0.0057 U	< 0.0057 U	< 0.0685 U
< 0.0057 U	< 0.0055 U	< 0.0057 U	< 0.0057 U	< 0.0685 U
< 0.0057 U	< 0.0055 U	< 0.0057 U	< 0.0057 U	**0.853**
< 0.0057 U	< 0.0055 U	< 0.0057 U	< 0.0057 U	< 0.0685 U
< 0.0115 R	< 0.011 R	< 0.0115 U	< 0.0114 U	< 0.137 U
< 0.0115 U	< 0.011 UJ	< 0.0115 U	< 0.0114 U	< 0.137 U
< 0.0115 U	< 0.011 U	< 0.0115 U	< 0.0114 U	< 0.137 U
0.0029 J	< 0.011 UJ	< 0.0115 UJ	< 0.0114 U	< 0.137 U
< 0.0057 U	< 0.0055 U	< 0.0057 U	< 0.0057 U	< 0.0685 U
< 0.0057 U	< 0.0055 U	< 0.0057 U	< 0.0057 U	< 0.0685 U

AIP MNOP Site ISL-117 1/1/1998 ISL-117-03-SUBSURF-19980101 ISL-117-19980101 6 - 8 N	AIP MNOP Site ISL-118 1/1/1998 ISL-118-01-SUBSURF-19980101 ISL-118-19980101 0 - 2 N	AIP MNOP Site ISL-118 1/1/1998 ISL-118-02-SUBSURF-19980101 ISL-118-19980101 10 - 12 N	AIP MNOP Site ISL-118 1/1/1998 ISL-118-03-SUBSURF-19980101 ISL-118-19980101 20 - 22 N	AIP MNOP Site ISL-119 1/1/1998 ISL-119-01-SUBSURF-19980101 ISL-119-19980101 0 - 2 N
< 0.0057 U	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U
< 0.0057 UJ	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U
< 0.0057 U	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U
< 0.0057 U	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U
< 0.0057 U	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U
< 0.0057 U	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U
0.00063 J	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U
< 0.0057 U	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U
< 0.0115 U	< 0.0112 R	< 0.0119 R	< 0.0122 R	< 0.011 U
< 0.0115 U	< 0.0112 U	< 0.0119 U	< 0.0122 U	< 0.011 U
< 0.0115 U	< 0.0112 U	< 0.0119 U	< 0.0122 U	< 0.011 U
< 0.0115 U	< 0.0112 UJ	< 0.0119 UJ	< 0.0122 UJ	< 0.011 UJ
< 0.0057 U	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U
< 0.0057 U	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U

AIP MNOP Site ISL-119 1/1/1998 ISL-119-02-SUBSURF-19980101 ISL-119-19980101 10 - 12 N	AIP MNOP Site ISL-119 1/1/1998 ISL-119-03-SUBSURF-19980101 ISL-119-19980101 22 - 24 N	AIP MNOP Site ISL-120 1/1/1998 ISL-120-01-SUBSURF-19980101 ISL-120-19980101 0 - 2 N	AIP MNOP Site ISL-120 1/1/1998 ISL-120-02-SUBSURF-19980101 ISL-120-19980101 2 - 4 N	AIP MNOP Site ISL-120 1/1/1998 ISL-120-03-SUBSURF-19980101 ISL-120-19980101 28 - 30 N
< 0.0059 U	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U
< 0.0059 U	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U
< 0.0059 U	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U
< 0.0059 U	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U
< 0.0059 U	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U
< 0.0059 U	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U
< 0.0059 U	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U
< 0.0059 U	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U
< 0.0118 R	< 0.0112 R	< 0.0105 R	< 0.0109 R	< 0.013 R
< 0.0118 U	< 0.0112 UJ	< 0.0105 UJ	< 0.0109 U	< 0.013 U
< 0.0118 U	< 0.0112 U	< 0.0105 U	< 0.0109 U	< 0.013 U
< 0.0118 UJ	< 0.0112 UJ	< 0.0105 UJ	< 0.0109 UJ	< 0.013 UJ
< 0.0059 U	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U
< 0.0059 U	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U

AIP MNOP Site ISL-121 1/1/1998 ISL-121-01-SUBSURF-19980101 ISL-121-19980101 0 - 2 N	AIP MNOP Site ISL-121 1/1/1998 ISL-121-02-SUBSURF-19980101 ISL-121-19980101 20 - 22 N	AIP MNOP Site ISL-121 1/1/1998 ISL-121-03-A-SUBSURF-19980101 ISL-121-19980101 36 - 38 FD	AIP MNOP Site ISL-121 1/1/1998 ISL-121-03-SUBSURF-19980101 ISL-121-19980101 36 - 38 N	AIP MNOP Site ISL-122 1/1/1998 ISL-122-01-SUBSURF-19980101 ISL-122-19980101 0 - 2.5 N
< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	< 0.0055 U
< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	< 0.0055 U
0.0278 NJ	**0.0128 NJ**		**0.014 NJ**	
< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	< 0.0055 U
< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	< 0.0055 U
< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	< 0.0055 U
< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	< 0.0055 U
< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	< 0.0055 U
< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	< 0.0055 U
< 0.0112 U	< 0.0109 U	< 0.0118 U	< 0.0111 U	< 0.011 R
< 0.0112 U	< 0.0109 U	< 0.0118 U	< 0.0111 U	**0.0025 J**
< 0.0112 U	< 0.0109 U	< 0.0118 U	< 0.0111 U	< 0.011 U
< 0.0112 U	**0.0026 J**	< 0.0118 U	< 0.0111 U	**0.0517 J**
< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	< 0.0055 U
< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	**0.00089 J**

AIP MNOP Site ISL-122 1/1/1998 ISL-122-02-SUBSURF-19980101 ISL-122-19980101 20 - 22 N	AIP MNOP Site ISL-122 1/1/1998 ISL-122-03-SUBSURF-19980101 ISL-122-19980101 40 - 42 N	AIP MNOP Site ISL-123 1/1/1998 ISL-123-01-SUBSURF-19980101 ISL-123-19980101 0 - 2 N	AIP MNOP Site ISL-123 1/1/1998 ISL-123-02-SUBSURF-19980101 ISL-123-19980101 9 - 11.5 N	AIP MNOP Site ISL-123 1/1/1998 ISL-123-03-SUBSURF-19980101 ISL-123-19980101 24 - 26.5 N
< 0.0052 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0057 U
< 0.0052 U	< 0.0053 U	< 0.0053 R	< 0.0053 U	< 0.0057 U
< 0.0052 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0057 U
< 0.0052 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0057 U
< 0.0052 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0057 U
< 0.0052 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.57 U
< 0.0052 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0057 U
< 0.0052 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0057 U
0.0012 J	< 0.0106 R	< 0.0105 R	< 0.0106 U	< 0.0115 R
0.0025 J	< 0.0106 U	< 0.0105 UJ	< 0.0106 U	< 0.0115 U
< 0.0104 U	< 0.0106 U	< 0.0105 U	< 0.0106 U	< 0.0115 U
0.0113 J	**0.0114 J**	**0.0227 J**	**0.0084 J**	**0.0078 J**
< 0.0052 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0057 U
< 0.0052 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0057 U

AIP MNOP Site ISL-125 1/1/1998 ISL-125-01-SUBSURF-19980101 ISL-125-19980101 0 - 2.5 N	AIP MNOP Site ISL-125 1/1/1998 ISL-125-02-SUBSURF-19980101 ISL-125-19980101 6.5 - 9 N	AIP MNOP Site ISL-125 1/1/1998 ISL-125-03-SUBSURF-19980101 ISL-125-19980101 39 - 41.5 N	AIP MNOP Site ISL-126 1/1/1998 ISL-126-01-A-SUBSURF-19980101 ISL-126-19980101 0 - 2 N	AIP MNOP Site ISL-126 1/1/1998 ISL-126-01-SUBSURF-19980101 ISL-126-19980101 0 - 2 FD
< 0.0063 U	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U
< 0.0063 U	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U
			0.0411 NJ	
< 0.0063 U	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U
< 0.0063 U	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U
< 0.0063 U	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U
				< 0.368 U
				< 0.368 U
< 0.0063 U	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U
< 0.0063 U	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U
< 0.0063 U	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U
				< 0.368 U
				< 0.368 U
< 0.0126 R	< 0.0111 R	< 0.012 R	< 0.0112 U	< 0.0111 U
< 0.0126 U	< 0.0111 U	< 0.012 U	< 0.0112 U	< 0.0111 U
< 0.0126 U	< 0.0111 U	< 0.012 U	< 0.0112 U	< 0.0111 U
0.0064 J	< 0.0111 U	< 0.012 U	< 0.0112 U	< 0.0111 U
< 0.0063 U	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U
< 0.0063 U	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U

AIP MNOP Site ISL-126 1/1/1998 ISL-126-02-SUBSURF-19980101 ISL-126-19980101 10 - 12 N	AIP MNOP Site ISL-126 1/1/1998 ISL-126-03-SUBSURF-19980101 ISL-126-19980101 34 - 36 N	AIP MNOP Site ISL-127 1/1/1998 ISL-127-SURF-19980101 ISL-127-19980101 0 - 1 N	AIP MNOP Site ISL-128 1/1/1998 ISL-128-SURF-19980101 ISL-128-19980101 0 - 1 N	AIP MNOP Site ISL-201 1/1/2000 ISL-201-01-SUBSRUF-20000101 ISL-201-20000101 0 - 2 N
< 0.006 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	< 0.001 U
< 0.006 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	< 0.001 U
0.0292 NJ	**0.0338 NJ**			
< 0.006 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	< 0.001 U
< 0.006 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	< 0.001 U
< 0.006 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	< 0.001 U
		< 0.374 U	< 0.383 U	
		< 0.374 U	< 0.383 U	
< 0.006 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	< 0.001 U
< 0.006 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	< 0.0021 U
< 0.006 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	< 0.001 U
		< 0.374 U	< 0.383 U	
		< 0.374 U	< 0.383 U	
< 0.0119 U	< 0.0106 U	< 0.0112 R	< 0.0115 R	< 0.0052 U
< 0.0119 U	< 0.0106 U	< 0.0112 U	< 0.0115 U	< 0.0052 U
< 0.0119 U	< 0.0106 U	< 0.0112 U	< 0.0115 U	< 0.0052 U
0.0027 J	< 0.0106 U	< 0.0112 U	< 0.0115 U	**0.0077 J**
< 0.006 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	< 0.001 U
< 0.006 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	< 0.001 U

AIP MNOP Site ISL-201 1/1/2000 ISL-201-02-SUBSRUF-20000101 ISL-201-20000101 2 - 4 N	AIP MNOP Site ISL-201 1/1/2000 ISL-201-03-SUBSRUF-20000101 ISL-201-20000101 4 - 6 N	AIP MNOP Site ISL-201 1/1/2000 ISL-201-04-SUBSRUF-20000101 ISL-201-20000101 6 - 8 N	AIP MNOP Site ISL-201 1/1/2000 ISL-201-05-SUBSRUF-20000101 ISL-201-20000101 8 - 10 N	AIP MNOP Site ISL-202 1/1/2000 ISL-202-01-SUBSRUF-20000101 ISL-202-20000101 0 - 2 N
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.0021 U	< 0.002 U	< 0.0019 U	< 0.0021 U	< 0.0021 U
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.0052 U	< 0.0049 U	< 0.0048 U	< 0.0052 U	< 0.0053 U
< 0.0052 U	< 0.0049 U	< 0.0048 U	< 0.0052 U	< 0.0053 U
< 0.0052 U	< 0.0049 U	< 0.0048 U	< 0.0052 U	< 0.0053 U
0.0034 J	**0.0035 J**	< 0.0048 U	< 0.0052 U	**0.0087 J**
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U

AIP MNOP Site ISL-202 1/1/2000 ISL-202-02-SUBSRUF-20000101 ISL-202-20000101 2 - 4 N	AIP MNOP Site ISL-202 1/1/2000 ISL-202-03A-SUBSRUF-20000101 ISL-202-20000101 4 - 6 FD	AIP MNOP Site ISL-202 1/1/2000 ISL-202-03-SUBSRUF-20000101 ISL-202-20000101 4 - 6 N	AIP MNOP Site ISL-202 1/1/2000 ISL-202-04-SUBSRUF-20000101 ISL-202-20000101 6 - 8 N	AIP MNOP Site ISL-202 1/1/2000 ISL-202-05-SUBSRUF-20000101 ISL-202-20000101 8 - 10 N
< 0.0012 U	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.001 U
< 0.0012 U	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.001 U
< 0.0012 U	< 0.0008 U	< 0.00089 U	< 0.0014 U	< 0.0014 U
< 0.0012 U	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.0014 U
< 0.0012 U	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.001 U
< 0.0012 U	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.001 U
< 0.0024 U	< 0.0018 U	< 0.0018 U	**0.035**	**0.0776**
< 0.0012 U	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.001 U
< 0.006 U	< 0.0045 U	< 0.0044 U	< 0.0073 U	< 0.005 U
< 0.006 U	< 0.0045 U	< 0.0044 U	< 0.0073 U	< 0.005 U
< 0.006 U	< 0.0045 U	< 0.0044 U	< 0.0073 U	< 0.005 U
0.0161 J	**0.0076 J**	**0.0069 J**	< 0.0073 U	**0.0064 J**
< 0.0012 U	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.001 U
< 0.0012 U	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.001 U

AIP MNOP Site ISL-203 1/1/2000 ISL-203-01-SUBSRUF-20000101 ISL-203-20000101 0 - 2 N	AIP MNOP Site ISL-203 1/1/2000 ISL-203-02-SUBSRUF-20000101 ISL-203-20000101 2 - 4 N	AIP MNOP Site ISL-203 1/1/2000 ISL-203-03-SUBSRUF-20000101 ISL-203-20000101 4 - 6 N	AIP MNOP Site ISL-204 1/1/2000 ISL-204-01-SUBSRUF-20000101 ISL-204-20000101 0 - 2 N	AIP MNOP Site ISL-204 1/1/2000 ISL-204-02-SUBSRUF-20000101 ISL-204-20000101 2 - 4 N
< 0.0011 U	< 0.0012 U	< 0.0022 U	< 0.001 U	< 0.0012 U
< 0.0011 UJ	< 0.0012 U	< 0.0022 UJ	< 0.001 U	< 0.0012 U
< 0.0011 U	< 0.0012 U	< 0.0022 U	< 0.001 U	< 0.0012 U
< 0.0011 U	< 0.0012 U	< 0.0022 U	< 0.001 U	< 0.0012 U
< 0.0011 U	< 0.0012 U	< 0.0022 U	< 0.001 U	< 0.0012 U
< 0.0011 U	< 0.0012 U	< 0.0022 U	< 0.001 U	< 0.0012 U
< 0.0022 U	< 0.0025 U	< 0.0044 U	< 0.0021 U	< 0.0024 U
< 0.0011 U	< 0.0012 U	< 0.0022 U	< 0.001 U	< 0.0012 U
0.0056 J	**0.0025 J**	**0.0041 J**	**0.0061**	**0.0059 J**
< 0.0056 U	< 0.0062 U	< 0.0109 UJ	< 0.0052 U	< 0.006 U
< 0.0056 U	< 0.0062 U	< 0.0109 U	< 0.0052 U	< 0.006 U
0.0752 J	**0.036 J**	**0.0414 J**	**0.0862**	**0.0937**
< 0.0011 U	< 0.0012 U	< 0.0022 U	< 0.001 U	< 0.0012 U
< 0.0011 U	< 0.0012 U	< 0.0022 U	< 0.001 U	< 0.0012 U

AIP MNOP Site ISL-204 1/1/2000 ISL-204-03-SUBSRUF-20000101 ISL-204-20000101 4 - 6 N	AIP MNOP Site ISL-205 1/1/2000 ISL-205-01-SUBSRUF-20000101 ISL-205-20000101 0 - 2 N	AIP MNOP Site ISL-205 1/1/2000 ISL-205-02-SUBSRUF-20000101 ISL-205-20000101 2 - 4 N	AIP MNOP Site ISL-206 1/1/2000 ISL-206-01-SUBSRUF-20000101 ISL-206-20000101 0 - 2 N	AIP MNOP Site ISL-206 1/1/2000 ISL-206-02-SUBSRUF-20000101 ISL-206-20000101 2 - 4 N
< 0.0035 U	< 0.0012 U	< 0.0013 U	< 0.00097 U	< 0.001 U
< 0.0035 U	< 0.0012 UJ	< 0.0013 UJ	< 0.00097 UJ	< 0.001 UJ
< 0.0035 U	< 0.0012 U	< 0.0013 U	< 0.00097 U	< 0.001 U
< 0.0035 U	< 0.0012 U	< 0.0013 U	< 0.00097 U	< 0.001 U
< 0.0035 U	< 0.0012 U	< 0.0013 U	< 0.00097 U	< 0.0001 U
< 0.0035 U	< 0.0012 U	< 0.0013 U	< 0.00097 U	< 0.001 U
< 0.007 U	< 0.0025 U	< 0.0026 U	< 0.0019 U	< 0.0021 U
< 0.0035 U	< 0.0012 U	< 0.0013 U	< 0.00097 U	< 0.001 U
0.0536 J	**0.0052 J**	**0.0042 J**	**0.0028 J**	**0.0027 J**
< 0.0176 UJ	< 0.0063 U	< 0.0064 U	< 0.0049 U	< 0.0052 U
< 0.0176 U	< 0.0063 U	< 0.0064 U	< 0.0049 U	< 0.0052 U
0.281 J	**0.0942 J**	**0.0422 J**	**0.0274 J**	**0.0338 J**
< 0.0035 U	**0.00041 J**	< 0.0013 U	< 0.00097 U	< 0.001 U
< 0.0035 U	< 0.0012 U	< 0.013 U	< 0.00097 U	< 0.001 U

AIP MNOP Site ISL-206 1/1/2000 ISL-206-03-SUBSRUF-20000101 ISL-206-20000101 4 - 6 N	AIP MNOP Site ISL-206 1/1/2000 ISL-206-04-SUBSRUF-20000101 ISL-206-20000101 6 - 8 N	AIP MNOP Site ISL-206 1/1/2000 ISL-206-05A-SUBSRUF-20000101 ISL-206-20000101 8 - 10 FD	AIP MNOP Site ISL-206 1/1/2000 ISL-206-05-SUBSRUF-20000101 ISL-206-20000101 8 - 20 N	AIP MNOP Site ISL-207 1/1/2000 ISL-207-01-SUBSRUF-20000101 ISL-207-20000101 0 - 2 N
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U
< 0.002 U	< 0.0018 UJ	< 0.0018 U	< 0.0018 U	< 0.0017 U
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U
< 0.005 U	< 0.0045 UJ	< 0.0044 U	< 0.0045 U	< 0.0043 U
< 0.005 U	< 0.0045 UJ	< 0.0044 U	< 0.0045 U	< 0.0043 U
< 0.005 U	< 0.0045 UJ	< 0.0044 U	< 0.0045 U	< 0.0043 U
0.005 J	**0.0056 J**	**0.0043 J**	**0.0054 J**	**0.008 J**
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U

AIP MNOP Site ISL-207 1/1/2000 ISL-207-02A-SUBSRUF-20000101 ISL-207-20000101 2 - 4 FD	AIP MNOP Site ISL-207 1/1/2000 ISL-207-02-SUBSRUF-20000101 ISL-207-20000101 2 - 4 N	AIP MNOP Site ISL-207 1/1/2000 ISL-207-03-SUBSRUF-20000101 ISL-207-20000101 4 - 6 N	AIP MNOP Site ISL-207 1/1/2000 ISL-207-04-SUBSRUF-20000101 ISL-207-20000101 6 - 8 N	AIP MNOP Site ISL-208 1/1/2000 ISL-208-01-SUBSRUF-20000101 ISL-208-20000101 0 - 2 N
< 0.001 UJ	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U
< 0.001 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U
< 0.001 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U
< 0.001 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U
< 0.001 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U
< 0.001 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U
< 0.002 U	< 0.0021 U	< 0.0022 U	< 0.0021 U	< 0.002 U
< 0.001 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U
< 0.005 U	< 0.0052 U	< 0.0054 U	< 0.0053 U	< 0.005 U
< 0.005 U	< 0.0052 U	< 0.0054 U	< 0.0053 U	< 0.005 U
< 0.005 U	< 0.0052 U	< 0.0054 U	< 0.0053 U	< 0.005 U
< 0.005 U	< 0.0052 U	< 0.0054 U	**0.0028 J**	**0.0123 J**
< 0.001 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U
< 0.001 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U

AIP MNOP Site ISL-208 1/1/2000 ISL-208-02-SUBSRUF-20000101 ISL-208-20000101 2 - 4 N	AIP MNOP Site ISL-208 1/1/2000 ISL-208-03-SUBSRUF-20000101 ISL-208-20000101 4 - 6 N	AIP MNOP Site ISL-208 1/1/2000 ISL-208-04-SUBSRUF-20000101 ISL-208-20000101 6 - 8 N	AIP MNOP Site ISL-209 1/1/2000 ISL-209-01-SUBSRUF-20000101 ISL-209-20000101 0 - 2 N	AIP MNOP Site ISL-209 1/1/2000 ISL-209-02-SUBSRUF-20000101 ISL-209-20000101 2 - 4 N
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U
< 0.002 U	< 0.002 U	< 0.0019 U	< 0.0021 U	< 0.0019 U
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U
< 0.005 U	< 0.005 U	< 0.0047 U	< 0.0052 U	< 0.0047 U
< 0.005 U	< 0.005 U	< 0.0047 U	< 0.0052 U	< 0.0047 U
< 0.005 U	< 0.005 U	< 0.0047 U	< 0.0052 U	< 0.0047 U
0.0108 J	**0.003 J**	< 0.0047 U	**0.0035 J**	**0.0103 J**
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U

AIP MNOP Site ISL-209 1/1/2000 ISL-209-03-SUBSRUF-20000101 ISL-209-20000101 4 - 6 N	AIP MNOP Site ISL-209 1/1/2000 ISL-209-04-SUBSRUF-20000101 ISL-209-20000101 6 - 8 N	AIP MNOP Site ISL-210 1/1/2000 ISL-210-01-SUBSRUF-20000101 ISL-210-20000101 0 - 2 N	AIP MNOP Site ISL-210 1/1/2000 ISL-210-02A-SUBSRUF-20000101 ISL-210-20000101 2 - 4 FD	AIP MNOP Site ISL-210 1/1/2000 ISL-210-02-SUBSRUF-20000101 ISL-210-20000101 2 - 4 N
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.002 U	< 0.0021 U	< 0.0025 U	< 0.0021 U	< 0.0023 U
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.0051 U	< 0.0053 U	**0.0022 J**	< 0.0051 U	< 0.0058 U
< 0.0051 U	< 0.0053 U	< 0.0062 U	< 0.0053 U	< 0.0058 U
< 0.0051 U	< 0.0053 U	< 0.0062 U	< 0.0053 U	< 0.0058 U
< 0.0051 U	< 0.0053 U	**0.0211**	**0.015**	**0.0164**
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U

AIP MNOP Site ISL-210 1/1/2000 ISL-210-03-SUBSRUF-20000101 ISL-210-20000101 4 - 6 N	AIP MNOP Site ISL-210 1/1/2000 ISL-210-04-SUBSRUF-20000101 ISL-210-20000101 6 - 8 N	AIP MNOP Site ISL-211 1/1/2000 ISL-211-01-SUBSRUF-20000101 ISL-211-20000101 0 - 2 N	AIP MNOP Site ISL-211 1/1/2000 ISL-211-02-SUBSRUF-20000101 ISL-211-20000101 2 - 4 N	AWI AWI AWI213 5/13/2009 R4-C092302-45 AWI213-20090513 0 - 0 N	AWI AWI AWI213 5/13/2009 R4-C092302-44 AWI213-20090513 0 - 0 N
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
				< 0.0089 U,J,O	< 0.0088 U,J,O
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
				< 0.0089 U	< 0.0088 U
				< 0.0089 U	< 0.0088 U
				< 0.0089 U	< 0.0088 U
				< 0.0089 U	< 0.0088 U
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
< 0.0022 U	< 0.0019 U	< 0.0025 U	< 0.0022 U		
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
				< 0.0089 U	< 0.0088 U
				< 0.0089 U	< 0.0088 U
< 0.0055 U	< 0.0048 U	< 0.0062 U	< 0.0055 U	< 0.018 U	< 0.018 U,J,O
< 0.0055 U	< 0.0048 U	< 0.0062 U	< 0.0055 U	< 0.018 U	< 0.018 U
< 0.0055 U	< 0.0048 U	< 0.0062 U	< 0.0055 U	< 0.018 U	< 0.018 U,J,O
0.0188	**0.0121**	**0.0146**	**0.0076**		
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U

AWI AWI AWI214 5/13/2009 R4-C092302-47 AWI214-20090513 0 - 0 N	AWI AWI AWI214 5/13/2009 R4-C092302-46 AWI214-20090513 0 - 0 N	AWI AWI AWI215 5/13/2009 R4-C092302-49 AWI215-20090513 0 - 0 N	AWI AWI AWI215 5/13/2009 R4-C092302-48 AWI215-20090513 0 - 0 N	AWI AWI AWI216 5/13/2009 R4-C092302-51 AWI216-20090513 0 - 0 N	AWI AWI AWI216 5/13/2009 R4-C092302-50 AWI216-20090513 0 - 0 N	FML LANDFILL OU2 FML300 5/12/2009 R4-C092302-81 FML300-20090512 0 - 0 N	FML LANDFILL OU2 FML300 5/12/2009 R4-C092302-80 FML300-20090512 0 - 0 N
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U,J,O	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U,J,O	< 0.0029 U,J,O
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U,J,O	< 0.0029 U,J,O
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.019 U	< 0.017 U,J,O	< 0.025 U	< 0.026 U	< 0.026 U	< 0.024 U	< 0.0059 U	< 0.0059 U
< 0.019 U	< 0.017 U	< 0.025 U	< 0.026 U	< 0.026 U	< 0.024 U	< 0.0059 U	< 0.0059 U
< 0.019 U	< 0.017 U,J,O	< 0.025 U	< 0.026 U	< 0.026 U	< 0.024 U	< 0.0059 U	< 0.0059 U
< 0.019 U		< 0.025 U	< 0.026 U	< 0.026 U	< 0.024 U		
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U

FML LANDFILL OU2 FML301 5/12/2009 R4-C092302-83 FML301-20090512 0 - 0 N	FML LANDFILL OU2 FML301 5/12/2009 R4-C092302-82 FML301-20090512 0 - 0 N	FML LANDFILL OU2 FML302 5/14/2009 R4-C092302-85 FML302-20090514 0 - 0 N	FML LANDFILL OU2 FML302 5/14/2009 R4-C092302-84 FML302-20090514 0 - 0 N	FML LANDFILL OU2 FML303 5/14/2009 R4-C092302-87 FML303-20090514 0 - 0 N	FML LANDFILL OU2 FML303 5/14/2009 R4-C092302-86 FML303-20090514 0 - 0 N	FML LANDFILL OU2 FML304 5/15/2009 R4-C092302-89 FML304-20090515 0 - 0 N	FML LANDFILL OU2 FML304 5/15/2009 R4-C092302-88 FML304-20090515 0 - 0 N	FML LANDFILL OU2 FML305 5/15/2009 R4-C092302-91 FML305-20090515 0 - 0 N
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U,J,O	< 0.0022 U,J,O	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U,J,O	< 0.028 U,J,O	< 0.012 U,J,O
< 0.0038 U,J,O	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U,J,O	< 0.0022 U,J,O	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U,J,O	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U,J,O	< 0.0036 U,J,O	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U,J,O	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U,J,O	< 0.0036 U,J,O	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U,J,O	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U,J,O	< 0.0036 U,J,O	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U,J,O	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U,J,O	< 0.0036 U,J,O	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U,J,O	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U,J,O	< 0.0036 U,J,O	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0076 U	< 0.0044 U	< 0.0067 U	< 0.0053 U	< 0.0073 U	< 0.0071 U	< 0.049 U	< 0.057 U	< 0.025 U
< 0.0076 U	< 0.0044 U	< 0.0067 U	< 0.0053 U	< 0.0073 U	< 0.0071 U	< 0.049 U	< 0.057 U	< 0.025 U
< 0.0076 U	< 0.0044 U	< 0.0067 U	< 0.0053 U	< 0.0073 U	< 0.0071 U	< 0.049 U	< 0.057 U	< 0.025 U
		< 0.0067 U	< 0.0053 U	**0.023**	**0.042**			
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U

FML LANDFILL OU2 FML305 5/15/2009 R4-C092302-90 FML305-20090515 0 - 0 N	FML LANDFILL OU2 FML306 5/12/2009 R4-C092302-93 FML306-20090512 0 - 0 N	FML LANDFILL OU2 FML306 5/12/2009 R4-C092302-92 FML306-20090512 0 - 0 N	FML LANDFILL OU2 FML307 5/12/2009 R4-C092302-95 FML307-20090512 0 - 0 N	FML LANDFILL OU2 FML307 5/12/2009 R4-C092302-94 FML307-20090512 0 - 0 N	FML LANDFILL OU2 FML308 5/15/2009 R4-C092302-97 FML308-20090515 0 - 0 N	FML LANDFILL OU2 FML308 5/15/2009 R4-C092302-96 FML308-20090515 0 - 0 N	FML LANDFILL OU2 FML309 5/15/2009 R4-C092302-99 FML309-20090515 0 - 0 N	FML LANDFILL OU2 FML309 5/15/2009 R4-C092302-98 FML309-20090515 0 - 0 N
< 0.011 U	< 0.0042 U	< 0.0058 U	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U,J,O	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U,J,O	< 0.0042 U,J,O	< 0.0058 U	< 0.0020 U	< 0.0023 U,J,O	< 0.025 U,J,O	< 0.029 U,J,O	< 0.036 U,J,O	< 0.038 U,J,O
< 0.011 U	< 0.0042 U	< 0.0058 U,J,O	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U,J,O	< 0.0058 U	< 0.0020 U,J,O	< 0.0023 U,J,O	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U,J,O	< 0.0058 U,J,O	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U,J,O	< 0.036 U	< 0.038 U,J,O
< 0.011 U	< 0.0042 U,J,O	< 0.0058 U,J,O	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U,J,O	< 0.036 U	< 0.038 U,J,O
< 0.011 U	< 0.0042 U	< 0.0058 U,J,O	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U,J,O	< 0.036 U	< 0.038 U,J,O
< 0.011 U	< 0.0042 U,J,O	< 0.0058 U,J,O	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U,J,O	< 0.036 U	< 0.038 U,J,O
< 0.011 U	< 0.0042 U	< 0.0058 U	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U,J,O	< 0.0058 U,J,O	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U,J,O	< 0.036 U	< 0.038 U,J,O
< 0.011 U	< 0.0042 U,J,O	< 0.0058 U,J,O	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U,J,O	< 0.036 U	< 0.038 U,J,O
< 0.021 U	< 0.0084 U	< 0.012 U	< 0.0041 U	< 0.0046 U	< 0.049 U	< 0.058 U	< 0.072 U	< 0.076 U
< 0.021 U	< 0.0084 U	< 0.012 U	< 0.0041 U	< 0.0046 U	< 0.049 U	< 0.058 U	< 0.072 U	< 0.076 U
< 0.021 U	< 0.0084 U	< 0.012 U	< 0.0041 U	< 0.0046 U	< 0.049 U	< 0.058 U	< 0.072 U	< 0.076 U
		< 0.012 U	< 0.0041 U,J,O					**0.11 J,O**
< 0.011 U	< 0.0042 U	< 0.0058 U	< 0.0020 U,J,O	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U

FML LANDFILL OU2 FML309 5/15/2009 R4-C092303-01 FML309-20090515 0 - 0 FD	FML LANDFILL OU2 FML310 5/12/2009 R4-C092303-02 FML310-20090512 0 - 0 N
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U,J,O	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.076 U	< 0.0039 U
< 0.076 U	< 0.0039 U
< 0.076 U	< 0.0039 U
	< 0.0039 U,J,O
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U

Bromoform	75-25-2	mg/kg	< 0.0045 U	< 0.0050 U		
Carbon disulfide	75-15-0	mg/kg	< 0.0045 U	< 0.0050 U		
Carbon tetrachloride	56-23-5	mg/kg	< 0.0045 U	< 0.0050 U		
Chlorobenzene	108-90-7	mg/kg	< 0.0045 U,J,O	< 0.0050 U,J,O		
Chlorobromomethane	74-97-5	mg/kg	< 0.0045 U	< 0.0050 U		
Chloroethane	75-00-3	mg/kg	< 0.0045 U	< 0.0050 U		
Chloroform	67-66-3	mg/kg	< 0.0045 U	< 0.0050 U		
cis-1,2-Dichloroethene	156-59-2	mg/kg	< 0.0045 U	< 0.0050 U	< 0.0021 U	< 0.002 U
cis-1,3-Dichloropropene	10061-01-5	mg/kg	< 0.0045 U	< 0.0050 U		
Cyclohexane	110-82-7	mg/kg	< 0.0045 U	< 0.0050 U		
Dibromochloromethane	124-48-1	mg/kg	< 0.0045 U	< 0.0050 U		
Dichlorodifluoromethane (Freon 12)	75-71-8	mg/kg	< 0.0045 U	< 0.0050 U		
Ethylbenzene	100-41-4	mg/kg	< 0.0045 U	< 0.0050 U	< 0.00088 UJ	< 0.00083 U
Ethylene dibromide	106-93-4	mg/kg	< 0.0045 U	< 0.0050 U		
Isopropylbenzene (Cumene)	98-82-8	mg/kg	< 0.0045 U	< 0.0050 U		
m,p-Xylenes	179601-23-1	mg/kg	< 0.0045 U	< 0.0050 U	< 0.0027 UJ	< 0.0026 U
Methyl acetate	79-20-9	mg/kg	< 0.0045 U	< 0.0050 U		
Methyl bromide	74-83-9	mg/kg	< 0.0045 U	< 0.0050 U		
Methyl chloride	74-87-3	mg/kg	< 0.0045 U	< 0.0050 U		
Methyl tert-butyl ether	1634-04-4	mg/kg	< 0.0045 U	< 0.0050 U		
Methylcyclohexane	108-87-2	mg/kg	< 0.0045 U	< 0.0050 U		
Methylene chloride	75-09-2	mg/kg	< 0.0045 U	< 0.0050 U		
o-Xylene	95-47-6	mg/kg	< 0.0045 U	< 0.0050 U	< 0.0017 U	< 0.0016 U
Styrene	100-42-5	mg/kg	< 0.0045 U	< 0.0050 U		
Tetrachloroethene	127-18-4	mg/kg	< 0.0045 U	< 0.0050 U	< 0.00057 U	< 0.00054 U
Toluene	108-88-3	mg/kg	< 0.0045 U	< 0.0050 U,J,O	< 0.00099 U	< 0.00094 U
trans-1,2-Dichloroethene	156-60-5	mg/kg	< 0.0045 U	< 0.0050 U	< 0.00064 U	< 0.0006 U
trans-1,3-Dichloropropene	10061-02-6	mg/kg	< 0.0045 U	< 0.0050 U		
Trichloroethene	79-01-6	mg/kg	< 0.0045 U	< 0.0050 U,J,O	< 0.00049 U	< 0.00047 U
Trichlorofluoromethane (Freon 11)	75-69-4	mg/kg	< 0.0045 U	< 0.0050 U		
Vinyl chloride	75-01-4	mg/kg	< 0.0045 U	< 0.0050 U		

NOTES:

U = analyte not detected above the reference reporting limit

J = estimated concentration

					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
< 0.0021 U	< 0.002 U	< 0.0019 U	< 0.002 U	< 0.002 UJ	< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
< 0.00088 U	< 0.00083 U	< 0.00083 U	< 0.00085 U	< 0.00085 UJ	< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
< 0.0027 U	< 0.0026 U	< 0.0026 U	< 0.0026 U	< 0.0026 UJ	< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U,J,O	< 0.0040 U,J,O
					< 0.0039 U	< 0.0040 U
< 0.0017 U	< 0.0016 U	< 0.0016 U	< 0.0016 U	< 0.0016 UJ	< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
< 0.00057 U	< 0.00054 U	< 0.00054 U	< 0.00056 U	< 0.00056 UJ	< 0.0039 U	< 0.0040 U
< 0.00099 U	< 0.00094 U	< 0.00093 U	< 0.00096 U	< 0.00096 UJ	< 0.0039 U	< 0.0040 U
< 0.00064 U	< 0.00061 U	< 0.0006 U	< 0.00062 U	< 0.00062 UJ	< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
< 0.00049 U	< 0.00047 U	**0.0062**	< 0.00048 U	< 0.00048 UJ	< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U
					< 0.0039 U	< 0.0040 U

< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U,J,O	< 0.0040 U	< 0.0045 U,J,O	< 0.0046 U	< 0.0038 U,J,O	< 0.0039 U	< 0.0043 U	< 0.0040 U,J,O	< 0.0046 U,J,O
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U,J,O	< 0.0040 U	< 0.0045 U,J,O	< 0.0046 U	< 0.0038 U,J,O	< 0.0039 U	< 0.0043 U	< 0.0040 U,J,O	< 0.0046 U,J,O
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U,J,O	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U,J,O	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U,J,O	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U	< 0.0040 U,J,O	< 0.0045 U,J,O	< 0.0046 U,J,O	< 0.0038 U,J,O	< 0.0039 U,J,O	< 0.0043 U,J,O	< 0.0040 U,J,O	< 0.0046 U,J,O
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U,J,O	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U,J,O	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U,J,O	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U,J,O	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U,J,O	< 0.0040 U	< 0.0045 U,J,O	< 0.0046 U	< 0.0038 U,J,O	< 0.0039 U	< 0.0043 U	< 0.0040 U,J,O	< 0.0046 U,J,O
< 0.0044 U,J,O	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U
< 0.0044 U	< 0.0040 U	< 0.0045 U	< 0.0046 U	< 0.0038 U	< 0.0039 U	< 0.0043 U	< 0.0040 U	< 0.0046 U

< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U,J,O	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	**0.0050 J,O**	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U,J,O	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U,J,O	< 0.0075 U,J,O	< 0.0074 U,J,O	< 0.0080 U,J,O	< 0.0077 U,J,O	< 0.0081 U,J,O	< 0.0074 U,J,O	< 0.0082 U,J,O	< 0.0072 U,J,O
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U	< 0.0075 U	< 0.0074 U,J,O	< 0.0080 U	< 0.0077 U	< 0.0081 U	< 0.0074 U	< 0.0082 U	< 0.0072 U
< 0.0075 U,J,O	< 0.0075 U	< 0.0074 U	< 0.0080 U,J,O	< 0.0077 U,J,O	< 0.0081 U,J,O	< 0.0074 U	< 0.0082 U	< 0.0072 U,J,O

< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U,J,O	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U,J,O	< 0.0046 U	< 0.0036 U,J,O	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U,J,O	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	**0.0015 J,O**	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U,J,O	< 0.0039 U,J,O	< 0.0048 U,J,O	< 0.0054 U	< 0.0044 U,J,O	< 0.0046 U,J,O	< 0.0036 U	< 0.0038 U,J,O
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U,J,O	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U,J,O	< 0.0039 U,J,O	< 0.0048 U,J,O	< 0.0054 U	< 0.0044 U,J,O	< 0.0046 U,J,O	< 0.0036 U	< 0.0038 U,J,O
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U,J,O	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U
< 0.0074 U,J,O	< 0.0040 U	< 0.0039 U	< 0.0048 U	< 0.0054 U	< 0.0044 U	< 0.0046 U	< 0.0036 U	< 0.0038 U

< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U,J,O
< 0.0053 U,J,O	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U,J,O	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U,J,O	< 0.0078 U	< 0.0073 U,J,O
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U,J,O
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
0.0022 J,O	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U,J,O
< 0.0053 U	< 0.0042 U	< 0.0074 U,J,O	< 0.0073 U,J,O	< 0.0070 U,J,O	< 0.0081 U,J,O	< 0.0070 U	< 0.0078 U,J,O	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U,J,O	< 0.0042 U,J,O	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U,J,O
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U,J,O	< 0.0073 U,J,O	< 0.0070 U,J,O	< 0.0081 U,J,O	< 0.0070 U,J,O	< 0.0078 U,J,O	< 0.0073 U,J,O
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U,J,O	< 0.0042 U,J,O	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U,J,O	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U,J,O
< 0.0053 U	< 0.0042 U	< 0.0074 U	< 0.0073 U	< 0.0070 U	< 0.0081 U	< 0.0070 U	< 0.0078 U	< 0.0073 U

< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U,J,O	< 0.0082 U,J,O	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U,J,O	< 0.0082 U,J,O	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U,J,O	< 0.0082 U,J,O	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U,J,O	< 0.0072 U,J,O	< 0.0082 U,J,O	< 0.0072 U,J,O	< 0.0077 U,J,O	< 0.0082 U,J,O	< 0.0078 U,J,O	< 0.0077 U,J,O	< 0.0091 U,J,O
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U,J,O	< 0.0072 U,J,O	< 0.0077 U	< 0.0082 U	< 0.0078 U,J,O	< 0.0077 U,J,O	< 0.0091 U,J,O
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U,J,O	< 0.0082 U,J,O	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U,J,O	< 0.0072 U,J,O	< 0.0077 U	< 0.0082 U	< 0.0078 U,J,O	< 0.0077 U,J,O	< 0.0091 U,J,O
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U,J,O	< 0.0082 U,J,O	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U,J,O	< 0.0072 U,J,O	< 0.0082 U,J,O	< 0.0072 U,J,O	< 0.0077 U,J,O	< 0.0082 U,J,O	< 0.0078 U,J,O	< 0.0077 U,J,O	< 0.0091 U,J,O
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U	< 0.0082 U	< 0.0078 U	< 0.0077 U	< 0.0091 U
< 0.0071 U	< 0.0072 U	< 0.0082 U	< 0.0072 U	< 0.0077 U,J,O	< 0.0082 U,J,O	< 0.0078 U	< 0.0077 U	< 0.0091 U

< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U,J,O	< 0.0073 U	< 0.0077 U,J,O	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U,J,O	< 0.0040 U,J,O	< 0.0043 U,J,O	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U,J,O	< 0.0073 U	< 0.0077 U,J,O	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U,J,O	< 0.0040 U	< 0.0043 U,J,O	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U,J,O	< 0.0073 U	< 0.0077 U,J,O	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U,J,O	< 0.0068 U,J,O	< 0.0073 U,J,O	< 0.0077 U,J,O	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U,J,O	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U,J,O	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U,J,O	< 0.0040 U	< 0.0037 U
< 0.0081 U,J,O	< 0.0068 U	< 0.0073 U	< 0.0077 U	**0.0015 J,O**	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U,J,O	< 0.0073 U	< 0.0077 U,J,O	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U,J,O	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U,J,O	< 0.0073 U	< 0.0077 U,J,O	< 0.0047 U,J,O	< 0.0040 U,J,O	< 0.0043 U	< 0.0040 U,J,O	< 0.0037 U
< 0.0081 U,J,O	< 0.0068 U,J,O	< 0.0073 U,J,O	< 0.0077 U,J,O	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U,J,O	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U,J,O	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U,J,O	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U,J,O	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U,J,O	< 0.0040 U	< 0.0043 U,J,O	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U,J,O	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U	< 0.0073 U	< 0.0077 U	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U
< 0.0081 U	< 0.0068 U,J,O	< 0.0073 U	< 0.0077 U,J,O	< 0.0047 U	< 0.0040 U	< 0.0043 U	< 0.0040 U	< 0.0037 U

< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U,J,O	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U,J,O	< 0.0037 U,J,O	< 0.0051 U,J,O	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U,J,O	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	**0.0015 J,O**	< 0.0035 U
< 0.0040 U	< 0.0040 U,J,O	< 0.0037 U,J,O	< 0.0051 U,J,O	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U,J,O	< 0.0037 U,J,O	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U,J,O	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U,J,O	< 0.0037 U,J,O	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U,J,O	< 0.0035 U
< 0.0040 U	< 0.0040 U,J,O	< 0.0037 U,J,O	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U,J,O	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U,J,O	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U,J,O	< 0.0037 U,J,O	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U,J,O	< 0.0035 U
< 0.0040 U	< 0.0040 U,J,O	< 0.0037 U,J,O	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U,J,O	< 0.0035 U
< 0.0040 U	< 0.0040 U,J,O	< 0.0037 U,J,O	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U,J,O	< 0.0035 U
< 0.0040 U	< 0.0040 U,J,O	< 0.0037 U,J,O	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U,J,O	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U,J,O	< 0.0037 U,J,O	< 0.0051 U,J,O	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U,J,O	< 0.0037 U,J,O	< 0.0051 U	**0.0011 J,O**	< 0.0052 U	< 0.0039 U	< 0.0047 U,J,O	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U
< 0.0040 U	< 0.0040 U	< 0.0037 U	< 0.0051 U	< 0.0043 U	< 0.0052 U	< 0.0039 U	< 0.0047 U	< 0.0035 U

< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U,J,O	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U,J,O	< 0.0039 U,J,O	< 0.0038 U	< 0.0043 U,J,O	< 0.0059 U	< 0.0041 U,J,O	< 0.0039 U,J,O	< 0.0041 U	< 0.0040 U,J,O
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
0.00054 J,O	< 0.0039 U	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U,J,O	< 0.0059 U	< 0.0041 U,J,O	< 0.0039 U	< 0.0041 U	< 0.0040 U,J,O
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U,J,O	< 0.0039 U	< 0.0038 U	< 0.0043 U,J,O	< 0.0059 U	< 0.0041 U,J,O	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U,J,O	< 0.0039 U	< 0.0038 U	< 0.0043 U,J,O	< 0.0059 U	< 0.0041 U,J,O	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U,J,O	< 0.0039 U	< 0.0038 U	< 0.0043 U,J,O	< 0.0059 U	< 0.0041 U,J,O	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U,J,O	< 0.0038 U	**0.0024 J,O**	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U,J,O	< 0.0059 U,J,O	< 0.0041 U	< 0.0039 U	< 0.0041 U,J,O	< 0.0040 U
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U,J,O	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U,J,O	< 0.0039 U	< 0.0038 U	< 0.0043 U,J,O	< 0.0059 U	< 0.0041 U,J,O	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U,J,O	< 0.0039 U	< 0.0038 U	< 0.0043 U,J,O	< 0.0059 U,J,O	< 0.0041 U,J,O	< 0.0039 U	< 0.0041 U,J,O	< 0.0040 U
< 0.0039 U,J,O	< 0.0039 U	< 0.0038 U	< 0.0043 U,J,O	< 0.0059 U	< 0.0041 U,J,O	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U,J,O	< 0.0039 U	< 0.0038 U	< 0.0043 U,J,O	< 0.0059 U	< 0.0041 U,J,O	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U,J,O	< 0.0059 U	< 0.0041 U,J,O	< 0.0039 U	< 0.0041 U	< 0.0040 U,J,O
< 0.0039 U,J,O	< 0.0039 U	< 0.0038 U	< 0.0043 U,J,O	< 0.0059 U	< 0.0041 U,J,O	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U
< 0.0039 U	< 0.0039 U	< 0.0038 U	< 0.0043 U	< 0.0059 U	< 0.0041 U	< 0.0039 U	< 0.0041 U	< 0.0040 U

< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U,J,O	< 0.0044 U	< 0.0045 U,J,O	< 0.0038 U,J,O	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U,J,O	< 0.0054 U,J,O	< 0.0041 U,J,O	< 0.0044 U	< 0.0045 U,J,O	< 0.0038 U,J,O	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U,J,O	< 0.0038 U,J,O	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U,J,O	< 0.0077 U,J,O
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U,J,O	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U,J,O	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U,J,O	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U,J,O	< 0.0044 U	< 0.0045 U,J,O	< 0.0038 U,J,O	< 0.0079 U	< 0.0077 U,J,O
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U,J,O	< 0.0044 U	< 0.0045 U,J,O	< 0.0038 U,J,O	< 0.0079 U,J,O	< 0.0077 U,J,O
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U,J,O	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U,J,O	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U,J,O	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U,J,O	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U,J,O	< 0.0038 U,J,O	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U,J,O	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U
< 0.0047 U	< 0.0047 U	< 0.0054 U	< 0.0041 U	< 0.0044 U	< 0.0045 U	< 0.0038 U	< 0.0079 U	< 0.0077 U

< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U,J,O	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U,J,O	< 0.0038 U,J,O			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U,J,O	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U	< 0.0019 UJ	< 0.0019 U	< 0.002 U
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U,J,O	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U,J,O	< 0.0074 U,J,O	< 0.0076 U,J,O	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U,J,O	< 0.0008 UJ	< 0.00083 U	< 0.00084 U
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U,J,O			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U,J,O	< 0.0025 UJ	< 0.0026 U	< 0.0026 U
< 0.0082 U,J,O	< 0.0074 U	< 0.0076 U,J,O	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U,J,O	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U,J,O	< 0.0074 U	< 0.0076 U,J,O	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U,J,O	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U,J,O	< 0.0074 U,J,O	< 0.0076 U,J,O	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U,J,O	< 0.0015 UJ	< 0.0016 U	< 0.0016 U
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U,J,O			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U,J,O	< 0.00052 UJ	< 0.00054 U	< 0.00055 U
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U,J,O	< 0.0009 UJ	< 0.00094 U	< 0.00095 U
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U	< 0.00058 UJ	< 0.0006 U	< 0.00061 U
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U,J,O	< 0.00045 UJ	< 0.00047 U	**0.0051 J**
< 0.0082 U	< 0.0074 U	< 0.0076 U	< 0.0041 U	< 0.0038 U			
< 0.0082 U	< 0.0074 U,J,O	< 0.0076 U	< 0.0041 U	< 0.0038 U			

< 0.0019 UJ	< 0.002 UJ	< 0.002 UJ	< 0.0019 UJ	< 0.002 UJ	< 0.002 UJ
< 0.00081 UJ	< 0.00085 UJ	< 0.00084 UJ	< 0.00081 UJ	< 0.00084 UJ	< 0.00085 UJ
< 0.0025 UJ	< 0.0026 UJ	< 0.0026 UJ	< 0.0025 UJ	< 0.0026 UJ	< 0.0026 UJ
< 0.0015 UJ	< 0.0016 UJ	< 0.0016 UJ	< 0.0015 UJ	< 0.0016 UJ	< 0.0016 UJ
< 0.00053 UJ	< 0.00055 UJ	< 0.00055 UJ	< 0.00053 UJ	**0.8 J**	**0.2 J**
< 0.00091 UJ	< 0.00095 UJ	< 0.00095 UJ	< 0.00092 UJ	< 0.00095 UJ	< 0.00096 UJ
< 0.00059 UJ	< 0.00062 UJ	< 0.00061 UJ	< 0.00059 UJ	< 0.00061 UJ	< 0.00062 UJ
< 0.00045 UJ	< 0.00047 UJ	**0.004 J**	< 0.00046 UJ	**1.2 J**	**0.37 J**

< 0.002 U	< 0.0018 U	< 0.002 U	< 0.0018 U	< 0.0021 U	< 0.0021 UJ	**0.054 J**
< 0.00087 U	< 0.00078 UJ	< 0.00083 UJ	< 0.00079 U	< 0.00088 U	< 0.00088 UJ	< 0.00093 UJ
< 0.0027 U	< 0.0024 UJ	< 0.0026 UJ	< 0.0024 U		< 0.0027 UJ	
< 0.0016 U	< 0.0015 U	< 0.0016 U	< 0.0015 U	< 0.0017 U	< 0.0017 UJ	< 0.0018 UJ
< 0.00057 U	< 0.00051 U	< 0.00055 U	< 0.00051 U	< 0.00058 U	< 0.00058 UJ	< 0.0006 UJ
< 0.0097 U	< 0.00088 U	< 0.00094 U	< 0.00089 U	< 0.00099 U	< 0.001 UJ	< 0.001 UJ
< 0.0063 U	< 0.00057 U	< 0.00061 U	< 0.00057 U	< 0.00064 U	< 0.00064 UJ	**0.011 J**
< 0.0048 U	< 0.00044 U	< 0.00047 U	< 0.00044 U	< 0.00049 U	< 0.0005 UJ	**0.38 J**

< 0.0021 UJ	< 0.0019 UJ	< 0.002 U		< 0.0019 U	< 0.0019 U	< 0.002 U
< 0.00089 UJ	< 0.0008 UJ	< 0.00085 U		< 0.00081 U	< 0.00083 U	< 0.00084 U
			< 0.0108 U			
< 0.0017 UJ	< 0.0015 UJ	< 0.0016 U		< 0.0015 U	< 0.0016 U	< 0.0016 U
< 0.00058 UJ	< 0.00052 UJ	< 0.0055 U		< 0.00053 U	< 0.00054 U	< 0.00055 U
< 0.001 UJ	< 0.0009 UJ	< 0.0096 U		< 0.00091 U	< 0.00093 U	< 0.00095 U
< 0.00065 UJ	< 0.00058 UJ	< 0.0062 U		< 0.00059 U	< 0.0006 U	< 0.00061 U
0.55 J	< 0.00045 UJ	< 0.0048 U		< 0.00045 U	< 0.0046 U	< 0.00047 U
			< 0.0108 U			

< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 UJ	< 0.0019 U	< 0.002 U
< 0.00084 U	< 0.00085 U	< 0.00084 U	< 0.00085 UJ	< 0.00082 U	< 0.00082 UJ
	< 0.0026 U	< 0.0026 U			< 0.00026 UJ
< 0.0016 U	< 0.0016 U	< 0.0016 U	< 0.0016 UJ	< 0.0016 U	< 0.0016 U
< 0.00055 U	< 0.00056 U	< 0.00055 U	< 0.00056 UJ	< 0.00054 U	< 0.00056 U
< 0.00095 U	< 0.00096 U	< 0.00094 U	< 0.00096 UJ	< 0.00093 U	< 0.00096 U
< 0.00061 U	< 0.00062 U	< 0.00061 U	< 0.00062 UJ	< 0.0006 U	< 0.00062 U
< 0.00047 U	**0.0019 J**	**0.0026 J**	< 0.00048 UJ	< 0.00046 U	< 0.00048 U

< 0.0019 U	< 0.002 U	< 0.0019 U	< 0.002 U	< 0.0023 U	< 0.0019 U
< 0.00082 U	< 0.00087 UJ	< 0.00082 U	< 0.00084 U	< 0.00098 U	< 0.00083 U
< 0.0025 U	< 0.0027 UJ	< 0.0025 U	< 0.0026 U	< 0.003 U	< 0.0025 U
< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0016 U	< 0.0018 U	< 0.0016 U
< 0.00054 U	< 0.00057 U	< 0.00053 U	< 0.00055 U	< 0.00064 U	< 0.00054 U
< 0.00093 U	< 0.00098 U	< 0.00092 U	< 0.00094 U	< 0.0011 U	< 0.00093 U
< 0.0006 U	< 0.00063 U	< 0.00059 U	< 0.00061 U	< 0.00071 U	< 0.0006 U
< 0.00046 U	< 0.00048 U	< 0.00046 U	**0.0013 J**	**0.0014 J**	< 0.00046 U

< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 UJ	< 0.002 U	< 0.002 U
< 0.0084 UJ	< 0.00084 UJ	< 0.00085 UJ	< 0.00084 UJ	< 0.00085 U	< 0.00086 U
< 0.0026 UJ	< 0.0026 UJ	< 0.0026 UJ	< 0.0026 UJ	< 0.0026 U	< 0.0026 U
< 0.0016 U	< 0.0016 U	< 0.0016 U	< 0.0016 UJ	< 0.0016 U	< 0.0016 U
< 0.00055 U	< 0.00055 U	< 0.00056 U	< 0.00055 UJ	< 0.00055 U	< 0.00056 U
< 0.00094 U	< 0.00095 U	< 0.00096 U	< 0.00094 UJ	< 0.00096 U	< 0.00097 U
< 0.00061 U	< 0.00061 U	< 0.00062 U	< 0.00061 UJ	< 0.00062 U	< 0.00062 U
< 0.00047 U	**0.0069**	**0.05**	< 0.00047 UJ	< 0.00048 U	< 0.00048 U

< 0.0019 U	< 0.002 U	< 0.0021 U	< 0.0019 U	< 0.002 U	< 0.0019 U
< 0.00079 UJ	< 0.00085 U	< 0.00089 UJ	< 0.00079 U	< 0.00086 U	< 0.0008 U
< 0.0024 UJ	< 0.0026 U	< 0.0027 UJ	< 0.0024 U	< 0.0026 U	< 0.0024 U
< 0.0015 U	< 0.0016 U	< 0.0017 U	< 0.0015 U	< 0.0016 U	< 0.0015 U
< 0.00052 U	< 0.00055 U	< 0.00058 U	< 0.00052 U	< 0.00056 U	< 0.00052 U
< 0.00089 U	< 0.00096 U	< 0.001 U	< 0.00089 U	< 0.00097 U	< 0.0009 U
< 0.00058 U	< 0.00062 U	< 0.00064 U	< 0.00058 U	< 0.00062 U	< 0.00058 U
< 0.00044 U	< 0.00048 U	< 0.0005 U	< 0.00044 U	< 0.00048 U	< 0.00045 U

< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U
< 0.00083 U	< 0.00079 U	< 0.00083 U	< 0.00082 UJ	< 0.00082 U	< 0.00082 U
< 0.0026 U	< 0.0024 U	< 0.0025 U	< 0.0025 UJ	< 0.0025 U	< 0.0025 U
< 0.0016 U	< 0.0015 U	< 0.0016 U	< 0.0015 U	< 0.0016 U	< 0.0015 U
< 0.00054 U	< 0.00052 U	< 0.00054 U	< 0.00053 U	< 0.00054 U	< 0.00053 U
< 0.00093 U	< 0.00089 U	< 0.00093 U	< 0.00092 U	< 0.00093 U	< 0.00092 U
< 0.0006 U	< 0.00058 U	< 0.0006 U	< 0.00059 U	< 0.0006 U	< 0.00059 U
0.0082	< 0.00044 U	**0.0019 J**	< 0.00046 U	**0.0011 J**	< 0.00046 U

< 0.002 U	< 0.0019 U	< 0.0019 U	< 0.002 U	< 0.002 U	< 0.0019 U	< 0.0019 U
< 0.00084 U	< 0.00079 U	< 0.00081 U	< 0.00083 UJ	< 0.00085 UJ	< 0.00079 UJ	< 0.00081 U
< 0.0026 U	< 0.0024 U	< 0.0025 U	< 0.0026 UJ	< 0.0026 UJ	< 0.0012 U	< 0.0025 U
< 0.0016 U	< 0.0015 U	< 0.0015 U	< 0.0016 U	< 0.0016 U	< 0.0011 U	< 0.0015 U
< 0.0055 U	< 0.00052 U	< 0.00053 U	< 0.00054 U	< 0.00055 U	< 0.0015 U	< 0.00053 U
< 0.00095 U	< 0.00089 U	< 0.00092 U	< 0.00094 U	< 0.00095 U	< 0.00052 U	< 0.00091 U
< 0.00061 U	< 0.00058 U	< 0.00059 U	< 0.0006 U	< 0.00062 U	< 0.00089 U	< 0.00059 U
< 0.00047 U	< 0.00044 U	**0.0025 J**	< 0.00047 U	< 0.00047 U	**0.0032 J**	< 0.00045 U

< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.002 U	< 0.0019 U	< 0.002 U
< 0.00082 U	< 0.0008 U	< 0.00081 U	< 0.00084 U	< 0.0008 U	< 0.00085 UJ
< 0.0025 U					< 0.0026 UJ
< 0.0015 U	< 0.0015 U	< 0.0015 U	< 0.0016 U	< 0.0015 U	< 0.0016 U
< 0.00053 U	< 0.00052 U	< 0.00053 U	< 0.00055 U	< 0.00053 U	< 0.00055 U
< 0.00092 U	< 0.0009 U	< 0.00091 U	**0.0024 J**	< 0.00091 U	< 0.00096 U
< 0.00059 U	< 0.00058 U	< 0.00059 U	< 0.00061 UJ	< 0.00058 U	< 0.00062 U
< 0.00045 U	< 0.00045 U	< 0.00045 U	< 0.00047 U	< 0.00045 U	< 0.00048 U

< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U
< 0.00083 U	< 0.00084 U	< 0.00084 U	< 0.00084 U	< 0.00085 U	< 0.00084 U
< 0.002 U					< 0.0026 U
< 0.0016 U	< 0.0016 U	< 0.0016 U	< 0.0016 U	< 0.0016 U	< 0.0016 U
< 0.00054 U	< 0.00055 U	< 0.00055 U	< 0.00055 U	< 0.00055 U	< 0.00055 U
< 0.00094 U	< 0.00095 U	< 0.00095 U	< 0.00094 U	< 0.00095 U	< 0.00095 U
< 0.0006 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.00062 U	< 0.00061 U
< 0.00047 U	< 0.00047 U	< 0.00047 U	< 0.00047 U	< 0.00047 U	< 0.00047 U

< 0.0018 U	< 0.0019 U	< 0.0019 U	< 0.002 U	< 0.0019 U	< 0.002 U
< 0.00079 U	< 0.00082 UJ	< 0.00083 UJ	< 0.00086 UJ	< 0.00083 UJ	< 0.00084 U
< 0.0024 U	< 0.0025 UJ	< 0.0025 UJ	< 0.0026 UJ	< 0.0026 UJ	< 0.0026 U
< 0.0015 U	< 0.0016 U	< 0.0016 U	< 0.0016 U	< 0.0016 U	< 0.0016 U
< 0.00051 U	< 0.00053 U	< 0.00054 U	< 0.00056 U	< 0.00054 U	< 0.00055 U
< 0.00089 U	< 0.00092 U	< 0.00093 U	< 0.00096 U	< 0.00093 U	< 0.00095 U
< 0.00057 U	< 0.00059 U	< 0.0006 U	< 0.00062 U	< 0.0006 U	< 0.00061 U
< 0.00044 U	< 0.00046 U	< 0.00046 U	< 0.00048 U	< 0.00046 U	**0.0083**

< 0.002 U	< 0.0019 UJ	< 0.0021 UJ	< 0.002 U	< 0.002 UJ	< 0.002 UJ
< 0.00084 U	< 0.00082 UJ	< 0.00089 UJ	< 0.00086 UJ	< 0.00086 UJ	< 0.00086 UJ
< 0.0026 U	< 0.0025 UJ	< 0.0027 UJ	< 0.0027 UJ	< 0.0026 UJ	< 0.0027 UJ
< 0.0016 U	< 0.0015 UJ	< 0.0017 UJ	< 0.0016 U	< 0.0016 UJ	< 0.0016 UJ
< 0.00055 U	< 0.00053 UJ	< 0.00058 UJ	< 0.00056 U	< 0.00056 UJ	< 0.00056 UJ
< 0.00094 U	**0.002 J**	< 0.001 UJ	< 0.00097 U	< 0.00096 UJ	< 0.00097 UJ
< 0.00061 U	< 0.00059 UJ	< 0.00064 UJ	< 0.00063 U	< 0.00062 UJ	< 0.00063 UJ
0.0055 J	< 0.00046 UJ	< 0.0005 UJ	< 0.00048 U	< 0.00048 UJ	< 0.00048 UJ

< 0.002 U	< 0.002 U	< 0.0019 UJ	< 0.0018 U	< 0.002 UJ	< 0.0018 U
< 0.00085 UJ	< 0.00087 U	< 0.00079 UJ	< 0.00078 UJ	< 0.00086 UJ	< 0.00077 UJ
< 0.0026 UJ	< 0.0027 U	< 0.0024 UJ	< 0.0024 UJ	< 0.0026 UJ	< 0.0024 UJ
< 0.0016 U	< 0.0017 U	< 0.0015 UJ	< 0.0015 U	< 0.0016 UJ	< 0.0015 U
< 0.00056 U	< 0.00057 U	< 0.00052 UJ	< 0.00051 U	< 0.00056 UJ	< 0.0005 U
< 0.00096 U	< 0.00098 U	< 0.00089 UJ	< 0.00088 U	< 0.00097 UJ	< 0.00087 U
< 0.00062 U	< 0.00063 U	< 0.00058 UJ	< 0.00057 U	< 0.00062 UJ	< 0.00056 U
< 0.00048 U	< 0.00049 U	< 0.00044 UJ	< 0.00044 U	< 0.00048 UJ	< 0.00043 U

< 0.002 UJ	< 0.002 UJ	< 0.0018 UJ	< 0.002 UJ	< 0.0021 UJ	< 0.002 UJ
< 0.00086 UJ	< 0.00085 UJ	< 0.00078 UJ	< 0.00086 UJ	< 0.00088 UJ	< 0.00085 UJ
< 0.0026 UJ	< 0.0026 UJ	< 0.0024 UJ	< 0.0026 UJ	< 0.0027 UJ	< 0.0026 UJ
< 0.0016 UJ	< 0.0016 UJ	< 0.0015 UJ	< 0.0016 UJ	< 0.0017 UJ	< 0.0016 UJ
< 0.00056 UJ	< 0.00055 UJ	< 0.00051 UJ	< 0.00056 UJ	< 0.00057 UJ	< 0.00056 UJ
< 0.00097 UJ	< 0.00096 UJ	< 0.00088 UJ	< 0.00097 UJ	< 0.00099 UJ	< 0.00096 UJ
< 0.00062 UJ	< 0.00062 UJ	< 0.00057 UJ	< 0.00062 UJ	< 0.00064 UJ	< 0.00062 UJ
< 0.00048 UJ	< 0.00048 UJ	< 0.00044 UJ	< 0.00048 UJ	< 0.00049 UJ	< 0.00048 UJ

< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.0019 U	< 0.0021 U
< 0.00083 U	< 0.00086 U	< 0.00086 U	< 0.00083 U	< 0.00081 U	< 0.00088 UJ
< 0.0026 U	< 0.0026 U	< 0.0027 U			< 0.0027 UJ
< 0.0016 U	< 0.0016 U	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0017 U
< 0.00054 U	< 0.00056 U	< 0.00056 U	< 0.00054 U	< 0.00053 U	< 0.00058 U
< 0.00094 U	< 0.00097 U	< 0.00097 U	< 0.00094 U	< 0.00091 U	< 0.001 U
< 0.0006 U	< 0.00062 U	< 0.00063 U	< 0.0006 U	< 0.00059 U	< 0.00064 U
< 0.00047 U	< 0.00048 U	< 0.00048 U	< 0.00047 U	< 0.00045 U	< 0.0005 U

< 0.0019 U	< 0.002 UJ	< 0.002 UJ	< 0.0021 UJ	< 0.002 UJ	< 0.002 U
< 0.0008 U	< 0.00084 UJ	< 0.00084 UJ	< 0.0009 UJ	< 0.00083 UJ	**0.0017 J**
< 0.0025 U	< 0.0026 UJ	< 0.0026 UJ	< 0.0028 UJ	< 0.0026 UJ	**0.0093**
< 0.0015 U	< 0.0016 UJ	< 0.0016 UJ	< 0.0017 UJ	< 0.0016 UJ	**0.0045 J**
< 0.00052 U	< 0.00055 UJ	< 0.00055 UJ	< 0.00059 UJ	< 0.00054 UJ	< 0.00055 U
< 0.0009 U	< 0.00095 UJ	< 0.00095 UJ	< 0.001 UJ	< 0.00094 UJ	< 0.00096 U
< 0.00058 U	< 0.00061 UJ	< 0.00061 UJ	< 0.00066 UJ	< 0.0006 UJ	< 0.00062 U
0.0063 J	< 0.00047 UJ	< 0.00047 UJ	< 0.0005 UJ	< 0.00047 UJ	< 0.00048 U

< 0.0019 U	< 0.002 U	< 0.0019 U	< 0.002 U	< 0.0019 U	< 0.002 U
< 0.00082 UJ	< 0.00086 UJ	< 0.00082 U	< 0.00085 UJ	< 0.00081 U	< 0.00084 UJ
< 0.0025 UJ	< 0.0026 UJ	< 0.0025 U	< 0.0026 UJ	< 0.0025 U	< 0.0026 UJ
< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0016 U	< 0.0015 U	< 0.0016 U
< 0.00054 U	< 0.00056 U	< 0.00053 U	< 0.00055 U	< 0.00053 U	< 0.00055 U
< 0.00092 U	< 0.00097 U	< 0.00092 U	< 0.00095 U	< 0.00091 U	< 0.00094 U
< 0.0006 U	< 0.00062 U	< 0.00059 U	< 0.00061 U	< 0.00059 U	< 0.00061 U
< 0.00046 U	< 0.00048 U	< 0.00046 U	< 0.00047 U	< 0.00045 U	< 0.00047 U

< 0.0019 U	< 0.002 UJ	< 0.002 UJ	< 0.002 U	< 0.0019 UJ	< 0.0019 U
< 0.00083 UJ	< 0.00083 UJ	< 0.00048 UJ	< 0.00085 UJ	< 0.00081 UJ	< 0.00083 U
< 0.0025 UJ	< 0.0026 UJ	< 0.0026 UJ	< 0.0026 UJ	< 0.0025 UJ	< 0.0026 U
< 0.0016 U	< 0.0016 UJ	< 0.0016 UJ	< 0.0016 U	< 0.0015 UJ	< 0.0016 U
< 0.00054 U	< 0.00054 UJ	< 0.00055 UJ	< 0.00055 U	< 0.00053 UJ	< 0.00054 U
< 0.00093 U	< 0.00094 UJ	< 0.00094 UJ	< 0.00096 U	< 0.00092 UJ	**0.0016 J**
< 0.0006 U	< 0.0006 UJ	< 0.00061 UJ	< 0.00062 U	< 0.00059 UJ	< 0.0006 U
< 0.00046 U	**0.0041 J**	< 0.00047 UJ	< 0.00048 U	< 0.00046 UJ	**0.0078**

< 0.0019 U	< 0.002 UJ	< 0.002 U	< 0.002 U	< 0.0019 U	< 0.002 U
< 0.00082 U	< 0.00085 UJ	< 0.00085 UJ	< 0.00086 U	< 0.0008 UJ	< 0.00084 U
< 0.0025 U	< 0.0026 UJ	< 0.0026 UJ	< 0.0026 U	< 0.0025 UJ	< 0.0026 U
< 0.0015 U	< 0.0016 UJ	< 0.0016 U	< 0.0016 U	< 0.0015 U	< 0.0016 U
< 0.00053 U	< 0.00056 UJ	< 0.00055 U	< 0.00056 U	< 0.00052 U	< 0.00055 U
< 0.00092 U	< 0.00096 UJ	< 0.00095 U	< 0.00097 U	< 0.0009 U	< 0.00095 U
< 0.00059 U	< 0.00062 UJ	< 0.00061 U	< 0.00063 U	< 0.00058 U	< 0.00061 U
< 0.00046 U	< 0.00048 UJ	**0.0012**	< 0.00048 U	< 0.00045 U	< 0.00047 U

	< 0.006 U	< 0.005 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0057 U
	< 0.006 U	< 0.0056 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0057 U
	< 0.006 U	< 0.0056 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0057 U
	< 0.006 U	< 0.0056 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0057 U
	< 0.0119 U	< 0.0112 U	< 0.0109 U	< 0.0109 U	< 0.011 U	< 0.0115 U
	< 0.006 U	< 0.0056 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0057 U
< 0.0018 U						
	< 0.006 U	< 0.0056 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0057 U
	< 0.006 U	< 0.0056 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0057 U
< 0.00079 UJ	< 0.006 U	< 0.0056 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0057 U
< 0.0024 UJ						
	< 0.0119 U	< 0.0112 U	< 0.0109 U	< 0.0109 U	< 0.011 U	< 0.01150 U
	< 0.0119 U	< 0.0112 U	< 0.0109 U	< 0.0109 U	< 0.011 U	< 0.0115 U
	0.0425 J	< 0.0064 UJ	< 0.0054 UJ	< 0.54 UJ	< 0.0055 UJ	< 0.0057 UJ
< 0.0015 U						
	< 0.006 U	< 0.0056 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0057 U
< 0.00051 U	< 0.006 U	< 0.0056 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0057 U
< 0.00089 U	< 0.0016 U	< 0.0056 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0057 U
< 0.00057 U						
	< 0.006 U	< 0.0056 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0057 U
< 0.00044 U	< 0.006 U	< 0.005 U	< 0.0054 U	< 0.0054 U	< 0.0055 U	< 0.0057 U
	< 0.0119 U	< 0.0112 U	< 0.0109 U	< 0.0109 U	< 0.011 U	< 0.0115 U

< 0.0056 U	< 0.0054 U	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0074 U	< 0.0056 U
< 0.0056 U	< 0.0054 U	**0.0013 J**	< 0.0056 U	< 0.0056 U	< 0.0074 U	< 0.0056 U
< 0.0056 U	< 0.0054 U	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0074 U	< 0.0056 U
< 0.0056 U	< 0.0054 U	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0074 U	< 0.0056 U
< 0.0111 U	< 0.0109 U	< 0.0115 U	< 0.0111 U	< 0.0111 U	< 0.0147 U	< 0.0112 U
< 0.0056 U	< 0.0054 U	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0074 U	< 0.0056 U
< 0.0056 U	< 0.0054 U	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0074 U	< 0.0056 U
< 0.0056 U	< 0.0054 U	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0074 U	< 0.0056 U
< 0.0056 U	< 0.0054 U	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0074 U	< 0.0056 U
< 0.0111 U	< 0.0109 U	< 0.0115 U	< 0.0111 U	< 0.0111 U	< 0.0147 U	< 0.0112 U
< 0.0111 U	< 0.0109 U	< 0.0115 UJ	< 0.0111 U	< 0.0111 U	< 0.0147 U	< 0.0112 U
< 0.0056 UJ	< 0.0054 UJ	< 0.0069 U	< 0.0056 UJ	< 0.0056 UJ	< 0.0074 UJ	< 0.0056 UJ
< 0.0056 U	< 0.0054 U	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0074 U	< 0.0056 U
< 0.0056 U	< 0.0054 U	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0074 U	< 0.0056 U
< 0.0056 U	< 0.0054 U	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0074 U	< 0.0056 U
< 0.0056 U	< 0.0054 U	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0074 U	< 0.0056 U
0.0893	**0.0394**	< 0.0057 U	< 0.0056 U	< 0.0056 U	**0.0121**	< 0.0056 U
< 0.0111 U	< 0.0109 U	< 0.0115 U	< 0.0111 U	< 0.0111 U	< 0.0147 U	< 0.0112 U

< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	< 0.0053 U	< 0.0056 U
< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	< 0.0053 U	< 0.0056 U
< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	< 0.0053 U	< 0.0056 U
< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	< 0.0053 U	< 0.0056 U
< 0.0106 U	< 0.0116 U	< 0.0119 U	< 0.011 U	< 0.011 U	< 0.0106 U	< 0.0111 U
< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	< 0.0053 U	< 0.0056 U
< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	< 0.0053 U	< 0.0056 U
< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	< 0.0053 U	< 0.0056 U
< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	< 0.0053 U	< 0.0056 U
< 0.0106 U	< 0.0116 U	< 0.0119 U	< 0.011 U	< 0.011 U	< 0.0106 U	< 0.0111 U
< 0.0106 U	< 0.0116 U	< 0.0119 U	< 0.011 U	< 0.011 U	< 0.0106 U	< 0.0111 UJ
< 0.0053 UJ	< 0.0058 UJ	< 0.006 UJ	< 0.0055 UJ	< 0.0055 UJ	**0.0153 J**	< 0.0072 U
< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	< 0.0053 U	< 0.0056 U
< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	< 0.0053 U	< 0.0056 U
< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	**0.0012 J**	< 0.0056 U
< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	< 0.0053 U	< 0.0056 U
< 0.0053 U	< 0.0058 U	< 0.006 U	< 0.0055 U	< 0.0055 U	< 0.0053 U	**0.0308**
< 0.0106 U	< 0.0116 U	< 0.0119 U	< 0.011 U	< 0.011 U	< 0.0106 U	< 0.0111 U

< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 U	< 0.0056 U
< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 U	< 0.0056 U
< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 U	< 0.0056 U
< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 U	< 0.0056 U
< 0.011 U	< 0.0115 U	< 0.0109 U	< 0.0112 U	< 0.0105 U	< 0.0112 U	< 0.0112 U
< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 U	< 0.0056 U
< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 U	< 0.0056 U
< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 U	< 0.0056 U
< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 U	< 0.0056 U
< 0.011 U	< 0.0115 U	< 0.0109 U	< 0.0112 U	< 0.0105 U	< 0.0112 U	< 0.0112 U
< 0.011 UJ	< 0.0115 UJ	< 0.0109 U		< 0.0105 U	< 0.0112 UJ	< 0.0112 U
< 0.007 U	< 0.0072 U	< 0.0054 UJ	< 0.0056 UJ	< 0.0053 UJ	< 0.0083 U	< 0.0056 UJ
< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 U	< 0.0056 U
< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 U	< 0.0056 U
< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 U	< 0.0056 U
< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 U	< 0.0056 U
< 0.0055 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0053 U	< 0.0056 U	< 0.0056 U
< 0.011 U	< 0.0115 U	< 0.0109 U	< 0.0112 U	< 0.0105 U	< 0.0112 U	< 0.0112 U

< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0056 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0056 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0056 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0056 U
< 0.0114 U	< 0.0111 U	< 0.0114 U	< 0.0112 U	< 0.0115 U	< 0.011 U	< 0.0112 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0056 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0056 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0056 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	**0.00062 J**
< 0.0114 U	< 0.0111 U	< 0.0114 U	< 0.0112 U	< 0.0115 U	< 0.011 U	< 0.0112 U
< 0.0114 U	< 0.0111 U	< 0.0114 U	< 0.0112 U	< 0.0115 U	< 0.011 U	< 0.0112 U
< 0.0057 UJ	< 0.0056 UJ	< 0.0057 UJ	< 0.0056 UJ	< 0.0057 UJ	**0.0192 J**	**0.0142 J**
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	**0.00021 J**	< 0.0056 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	**0.00071 J**	< 0.0056 U
0.0027 J	< 0.0056 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	**0.0016 J**	**0.00075 J**
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0056 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0056 U
< 0.0114 U	< 0.0111 U	< 0.0114 U	< 0.0112 U	< 0.0115 U	< 0.011 U	< 0.0112 U

< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0057 U	< 0.0056 U		< 0.0054 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0057 U	< 0.0056 U		< 0.0054 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0057 U	< 0.0056 U		< 0.0054 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0057 U	< 0.0056 U		< 0.0054 U
< 0.0114 U	< 0.0112 U	< 0.0114 U	< 0.0114 U	< 0.0111 U		< 0.0108 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0057 U	< 0.0056 U		< 0.0054 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0057 U	< 0.0056 U		< 0.0054 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0057 U	< 0.0056 U		< 0.0054 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0057 U		< 0.0056 U	< 0.0054 U
< 0.0114 UJ	< 0.0112 U	< 0.0114 U	< 0.0114 U	< 0.0111 U		< 0.0108 U
< 0.0114 UJ	< 0.0112 U	< 0.0114 U	< 0.0114 U	< 0.0111 U		
< 0.0026 UJ	< 0.0056 UJ	< 0.0057 UJ	< 0.0057 UJ	< 0.0056 UJ		< 0.0054 UJ
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0057 U	< 0.0056 U		< 0.0054 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	**0.00093 J**	< 0.0056 U		< 0.0054 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	**0.0016 J**	**0.003 J**		**0.0023 J**
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0057 U	< 0.0056 U		< 0.0054 U
< 0.0057 U	< 0.0056 U	< 0.0057 U	< 0.0057 U	< 0.0056 U		< 0.0054 U
< 0.0114 U	< 0.0112 U	< 0.0114 U	< 0.0114 U	< 0.0111 U		

< 0.0057 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0056 U
< 0.0057 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0056 U
< 0.0057 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0056 U
< 0.0057 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0056 U
< 0.0114 U	< 0.0115 U	< 0.0109 U	< 0.0111 U	< 0.0111 U
< 0.0057 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0056 U
< 0.0057 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0056 U
< 0.0057 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0056 U
< 0.0057 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0056 U
< 0.0114 U	< 0.0115 U	< 0.0109 U	< 0.0111 U	< 0.0111 U
< 0.0114 U	< 0.0115 U	< 0.0109 U	< 0.0111 U	< 0.0111 U
0.0136 J	< 0.0083 UJ	< 0.0054 UJ	**0.0118 J**	**0.0194 J**
< 0.0057 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0056 U
< 0.0057 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0056 U
0.00065 J	< 0.0057 U	< 0.0054 U	< 0.0056 U	**0.00067 J**
< 0.0057 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0056 U
< 0.0057 U	< 0.0057 U	< 0.0054 U	< 0.0056 U	< 0.0056 U
< 0.0114 U	< 0.0115 U	< 0.0109 U	< 0.0111 U	< 0.0111 U

< 0.0055 U	< 0.0056 U	< 0.0056 U	< 0.0066 UJ	< 0.0056 U
< 0.0055 U	< 0.0056 U	< 0.0056 U	< 0.0066 UJ	< 0.0056 U
< 0.0055 U	< 0.0056 U	< 0.0056 U	< 0.0066 UJ	< 0.0056 U
< 0.0055 U	< 0.0056 U	< 0.0056 U	< 0.0066 UJ	< 0.0056 U
< 0.011 U	< 0.0111 U	< 0.0112 U	< 0.0132 UJ	< 0.0112 U
< 0.0055 U	< 0.0056 U	< 0.0056 U	< 0.0066 UJ	< 0.0056 U
< 0.0055 U	< 0.0056 U	< 0.0056 U	< 0.0066 UJ	< 0.0056 U
< 0.0055 U	< 0.0056 U	< 0.0056 U	< 0.0066 UJ	< 0.0056 U
< 0.0055 U	< 0.0056 U	< 0.0056 U	< 0.0066 UJ	< 0.0056 U
< 0.011 U	< 0.0111 U	< 0.0112 U	< 0.0132 UJ	< 0.0112 U
< 0.011 U	< 0.0111 U	< 0.0112 U	< 0.0132 UJ	< 0.0112 U
0.0158 J	**0.0121 J**	< 0.0056 UJ	< 0.0045 UJ	< 0.0056 UJ
< 0.0055 U	< 0.0056 U	< 0.0056 U	< 0.0066 UJ	< 0.0056 U
< 0.0055 U	< 0.0056 U	< 0.0056 U	< 0.0066 UJ	**0.00097 J**
0.00062 J	**0.00063 J**	< 0.00063 UJ	**0.00084 J**	**0.00062 J**
< 0.0055 U	< 0.0056 U	< 0.0056 U	< 0.0066 UJ	< 0.0056 U
< 0.0055 U	< 0.0056 U	< 0.0056 U	< 0.0066 UJ	< 0.0056 U
< 0.011 U	< 0.0111 U	< 0.0112 U	< 0.0132 UJ	< 0.0112 U

< 0.0056 U	< 0.0055 U	< 0.0056 U	< 0.0054 U	< 0.0057 U
< 0.0056 U	< 0.0055 U	< 0.0056 U	< 0.0054 U	< 0.0057 U
< 0.0056 U	< 0.0055 U	< 0.0056 U	< 0.0054 U	< 0.0057 U
< 0.0056 U	< 0.0055 U	< 0.0056 U	< 0.0054 U	< 0.0057 U
< 0.0111 U	< 0.011 U	< 0.0112 U	< 0.0108 U	< 0.0115 U
< 0.0056 U	< 0.0055 U	< 0.0056 U	< 0.0054 U	< 0.0057 U
< 0.0056 U	< 0.0055 U	< 0.0056 U	< 5.4 U	< 0.0057 U
< 0.0056 U	< 0.0055 U	< 0.0056 U	< 0.0054 U	< 0.0057 U
< 0.0056 U	< 0.0055 U	< 0.0056 U	< 0.0054 U	< 0.0057 U
< 0.0111 U	< 0.011 U	< 0.0112 U	< 0.0108 U	< 0.0115 U
< 0.0111 U	< 0.011 U	< 0.0112 UJ	< 0.0108 U	< 0.0115 U
< 0.0056 UJ	< 0.0055 UJ	< 0.0056 UJ	< 0.0054 UJ	< 0.0057 UJ
< 0.0056 U	< 0.0055 U	< 0.0056 U	< 0.0054 U	< 0.0057 U
< 0.0056 U	< 0.0055 U	< 0.0056 U	< 0.0054 U	< 0.0057 U
< 0.0056 U	< 0.0055 U	< 0.0056 U	< 0.0054 U	< 0.0057 U
< 0.0056 U	< 0.0055 U	< 0.0056 U	< 0.0054 U	< 0.0057 U
< 0.0056 U	< 0.0055 U	< 0.0056 U	< 0.0054 U	< 0.0057 U
< 0.0111 U	< 0.011 U	< 0.0112 U	< 0.0108 U	< 0.0115 U

< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0054 U
< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0054 U
< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0054 U
< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0054 U
< 0.0112 U	< 0.0112 U	< 0.0115 U	< 0.011 UJ	< 0.0109 U
< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.011 R	< 0.0054 U
< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0054 U
< 0.0056 U	< 0.0056 U	< 0.0057 U		< 0.0054 U
< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0054 U
< 0.0112 U	< 0.0112 U	< 0.0115 U	< 0.011 U	< 0.0109 U
< 0.0112 U	< 0.0112 UJ	< 0.0115 U	< 0.011 U	< 0.0109 U
< 0.0056 UJ	< 0.0056 UJ	< 0.0057 UJ	< 0.0055 U	< 0.0054 UJ
< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0054 U
< 0.0056 U	< 0.0056 U	< 0.0057 U	**0.0014 J**	< 0.0054 U
< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0054 U
< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0054 U
< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0055 U	< 0.0054 U
< 0.0112 U	< 0.0112 U	< 0.0115 U	< 0.0055 U	< 0.0109 U

< 0.0062 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0052 U
< 0.0062 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0052 U
< 0.0062 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0052 U
< 0.0062 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0052 U
< 0.0123 U	< 0.0115 U	< 0.0114 U	< 0.0115 U	< 0.0104 U
< 0.0062 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0052 U
< 0.0062 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0052 U
< 0.0062 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0052 U
< 0.0062 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0052 U
< 0.0123 U	< 0.0115 U	< 0.0114 U	< 0.0115 U	< 0.0104 U
< 0.0123 UJ	< 0.0115 UJ	< 0.0114 U	< 0.0115 U	< 0.0104 U
< 0.0062 UJ	< 0.0057 UJ	< 0.0057 UJ	< 0.0057 UJ	< 0.0052 UJ
< 0.0062 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0052 U
< 0.0062 U	**0.001 J**	< 0.0057 U	< 0.0057 U	< 0.0052 U
< 0.0062 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0052 U
< 0.62 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0052 U
< 0.0062 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0052 U
< 0.0123 U	< 0.0115 U	< 0.0114 U	< 0.0115 U	< 0.0104 U

< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U
< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U
< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U
< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U
< 0.0104 U	< 0.0112 U	< 0.012 U	< 0.0108 U	< 0.011 U
< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U
< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U
< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U
< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U
< 0.0104 U	< 0.0112 U	< 0.012 U	< 0.0108 U	< 0.011 U
< 0.0104 U	< 0.0112 U	< 0.012 U	< 0.0108 U	< 0.011 U
< 0.0052 UJ	< 0.0056 UJ	< 0.006 UJ	< 0.0054 UJ	< 0.0055 UJ
< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U
< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U
< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U
< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U
< 0.0052 U	< 0.0056 U	< 0.006 U	< 0.0054 U	< 0.0055 U
< 0.0104 U	< 0.0112 U	< 0.012 U	< 0.0108 U	< 0.01100 U

< 0.0057 U	< 0.0055 U	< 0.0057 U	< 0.0057 U	< 0.0685 U
< 0.0057 U	< 0.0055 U	< 0.0057 U	< 0.0057 U	**0.132**
< 0.0057 U	< 0.0055 U	< 0.0057 U	< 0.0057 U	< 0.0685 U
< 0.0057 U	< 0.0055 U	< 0.0057 U	< 0.0057 U	< 0.0685 U
< 0.0115 U	< 0.011 U	< 0.0115 U	< 0.0114 U	< 0.137 U
< 0.0057 U	< 0.0055 U	< 0.0057 U	< 0.0057 U	< 0.0685 U
< 0.0057 U	< 0.0055 U	< 0.0057 U	< 0.0057 U	< 0.0685 U
< 0.0057 U	< 0.0055 U	< 0.0057 U	< 0.0057 U	< 0.0685 U
< 0.0057 U	< 0.0055 U	< 0.0057 U	< 0.0057 U	< 0.0685 U
< 0.0115 U	< 0.011 U	< 0.0115 U	< 0.0114 U	< 0.137 U
< 0.0115 U	< 0.011 U	< 0.0115 U	< 0.0114 U	< 0.137 U
< 0.0057 UJ	< 0.0055 UJ	**0.0057**	< 0.0057 UJ	**0.0071 J**
< 0.0057 U	< 0.0055 U	< 0.0057 U	< 0.0057 U	< 0.0685 U
< 0.0057 U	< 0.0055 U	< 0.0057 U	< 0.0057 U	< 0.0685 U
< 0.0057 U	< 0.0055 U	< 0.0057 U	< 0.0057 U	< 0.0685 U
< 0.0057 U	< 0.0055 U	< 0.0057 U	< 0.0057 U	< 0.0685 U
< 0.0057 U	< 0.0055 U	**0.0066**	< 0.014 U	**1.7 D**
< 0.0115 U	< 0.011 U	< 0.0115 U	< 0.0114 U	< 0.137 U

< 0.0057 U	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U
< 0.0057 U	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U
< 0.0057 U	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U
< 0.0057 U	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U
< 0.0115 U	< 0.0112 U	< 0.0119 U	< 0.0122 U	< 0.011 U
< 0.0057 U	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U
< 0.0057 U	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U
< 0.0057 U	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U
< 0.0057 U	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U
< 0.0115 U	< 0.0112 U	< 0.0119 U	< 0.0122 U	< 0.011 U
< 0.0115 U	< 0.0112 UJ	< 0.0119 UJ	< 0.0122 UJ	< 0.011 UJ
< 0.0057 UJ	< 0.0056 UJ	< 0.006 UJ	< 0.0061 UJ	< 0.0055 UJ
< 0.0057 U	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U
< 0.0057 U	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U
< 0.0057 U	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U
< 0.0057 U	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U
0.00062 J	< 0.0056 U	< 0.006 U	< 0.0061 U	< 0.0055 U
< 0.0115 U	< 0.0112 U	< 0.0119 U	< 0.0122 U	< 0.011 U

< 0.0059 U	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U
< 0.0059 U	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U
< 0.0059 U	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U
< 0.0059 U	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U
< 0.0118 U	< 0.0112 U	< 0.0105 U	< 0.0109 U	< 0.013 U
< 0.0059 U	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U
< 0.0059 U	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U
< 0.0059 U	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U
< 0.0059 U	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U
< 0.0118 U	< 0.0112 UJ	< 0.0105 UJ	< 0.0109 U	< 0.013 U
< 0.0118 UJ	< 0.0112 UJ	< 0.0105 UJ	< 0.0109 UJ	< 0.013 UJ
< 0.0059 UJ	< 0.0053 UJ	< 0.0053 UJ	< 0.0054 UJ	< 0.0065 UJ
< 0.0059 U	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U
0.00076 J	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U
< 0.0059 U	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U
< 0.0059 U	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U
< 0.0059 U	< 0.0056 U	< 0.0053 U	< 0.0054 U	< 0.0065 U
< 0.0118 U	< 0.0112 U	< 0.0105 U	< 0.0109 U	< 0.013 U

< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	< 0.0055 U
< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	< 0.0055 U
< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	< 0.0055 U
< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	< 0.0055 U
< 0.0112 U	< 0.0109 U	< 0.0118 U	< 0.0111 U	< 0.011 U
< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	< 0.0055 U
< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	< 0.0055 U
< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	< 0.0055 U
< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	< 0.0055 U
< 0.0112 U	< 0.0109 U	< 0.0118 U	< 0.0111 U	< 0.011 U
< 0.0112 U	< 0.0109 U	< 0.0118 U	< 0.0111 U	< 0.011 U
< 0.0056 UJ	< 0.0054 UJ	< 0.0059 UJ	< 0.0056 UJ	< 0.006 U
< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	< 0.0055 U
< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	**0.00063 J**
< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	< 0.0055 U
< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	< 0.0055 U
< 0.0056 U	< 0.0054 U	< 0.0059 U	< 0.0056 U	< 0.0055 U
< 0.0112 U	< 0.0109 U	< 0.0118 U	< 0.0111 U	< 0.011 U

< 0.0052 U	< 0.0053 U	< 0.0053 UJ	< 0.0053 U	< 0.0057 U
< 0.0052 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0057 U
< 0.0052 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0057 U
< 0.0052 U	< 0.0053 U	< 0.0053 UJ	< 0.0053 U	< 0.0057 U
< 0.0104 U	< 0.0106 U	< 0.0105 U	< 0.0106 U	< 0.0115 U
< 0.0052 U	**0.00072 J**	< 0.0053 U	< 0.0053 U	< 0.0057 U
< 0.0052 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0057 U
< 0.0052 U	< 0.0053 U	< 0.0053 UJ	< 0.0053 U	< 0.0057 U
< 0.0052 U	< 0.0053 U	< 0.0053 UJ	< 0.0053 U	< 0.0057 U
< 0.0104 U	< 0.0106 U	< 0.0105 U	< 0.0106 U	< 0.0115 U
< 0.0104 U	< 0.0106 U	< 0.0105 U	< 0.0106 U	< 0.0115 U
< 0.0052 U	< 0.0092 U	< 0.0071 U	< 0.0053 U	< 0.0073 U
< 0.0052 U	< 0.0053 U	< 0.0053 UJ	< 0.0053 U	< 0.0057 U
< 0.0052 U	< 0.0053 U	< 0.0053 UJ	< 0.0053 U	**0.0031 J**
< 0.0052 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0057 U
< 0.0052 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0057 U
< 0.0052 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0057 U
< 0.0104 U	< 0.0106 U	< 0.0105 U	< 0.0106 U	< 0.0115 U

< 0.0063 U	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U
< 0.0063 U	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U
< 0.0063 U	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U
< 0.0063 U	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U
< 0.0126 U	< 0.0111 U	< 0.012 U	< 0.0112 U	< 0.0111 U
0.00098 J	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U
< 0.0063 U	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U
< 0.0063 U	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U
< 0.0063 U	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U
< 0.0126 U	< 0.0111 U	< 0.012 U	< 0.0112 U	< 0.0111 U
< 0.0126 U	< 0.0111 U	< 0.012 U	< 0.0112 U	< 0.0111 U
0.0108 B	< 0.0056 U	< 0.006 U	< 0.0056 UJ	< 0.0056 UJ
< 0.0063 U	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U
< 0.0063 U	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U
< 0.0063 U	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U
< 0.0063 U	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U
< 0.0063 U	< 0.0056 U	< 0.006 U	< 0.0056 U	< 0.0056 U
< 0.0126 U	< 0.0111 U	< 0.012 U	< 0.0112 U	< 0.0111 U

< 0.006 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	< 0.001 U
< 0.006 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	**0.0021 J**
< 0.006 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	< 0.001 U
< 0.006 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	< 0.001 U
< 0.0119 U	< 0.0106 U	< 0.0112 U	< 0.0115 U	< 0.001 U
< 0.006 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	< 0.001 U
< 0.006 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	< 0.001 U
< 0.00609 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	< 0.001 U
< 0.006 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	< 0.001 U
< 0.0119 U	< 0.0106 U	< 0.0112 U	< 0.0115 U	< 0.001 U
< 0.0119 U	< 0.0106 U	< 0.0112 U		< 0.001 U
< 0.006 UJ	< 0.0053 UJ	< 0.0055 U	< 0.0057 U	< 0.0052 UJ
< 0.006 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	< 0.001 U
< 0.006 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	< 0.001 U
< 0.006 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	< 0.001 U
< 0.006 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	< 0.001 U
< 0.0069 U	< 0.0053 U	< 0.0056 U	< 0.0057 U	< 0.001 U
< 0.0119 U	< 0.0106 U	< 0.0112 U	< 0.0115 U	< 0.001 U

< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.0052 U	< 0.0049 U	**0.0014 J**	**0.003 J**	< 0.0118 U
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.0052 UJ	< 0.0049 UJ	< 0.0048 UJ	< 0.0052 UJ	< 0.0053 UJ
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U
< 0.001 U	< 0.00098 U	< 0.00097 U	< 0.001 U	< 0.001 U

< 0.0012 U	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.001 U
< 0.006 U	< 0.0045 U	< 0.0044 U	< 0.0073 U	**0.0197**
< 0.0012 U	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.001 U
< 0.0012 U	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.001 U
< 0.0012 U	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.001 U
< 0.0012 U	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.001 U
< 0.0012 U	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.001 U
< 0.0012 U	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.001 U
< 0.0012 U	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.001 U
< 0.0012 UJ	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.001 U
< 0.0012 U	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.001 U
< 0.006 UJ	< 0.0045 UJ	< 0.0044 UJ	< 0.0073 UJ	< 0.005 UJ
< 0.0012 U	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.001 U
< 0.0012 U	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.001 U
< 0.0012 U	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.001 U
< 0.0012 U	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.001 U
< 0.0012 U	**0.0016**	**0.0013**	< 0.0014 U	< 0.001 U
< 0.0012 U	< 0.0009 U	< 0.00089 U	< 0.0014 U	< 0.001 U

< 0.0011 U	< 0.0012 U	< 0.0022 UJ	< 0.001 U	< 0.0012 U
< 0.0056 U	< 0.0062 U	**0.0067 J**	< 0.0052 U	< 0.006 U
< 0.0011 U	< 0.0012 U	< 0.0022 U	< 0.001 U	< 0.0012 U
< 0.0011 U	< 0.0012 U	< 0.0022 UJ	< 0.001 U	< 0.0012 U
< 0.0011 U	< 0.0012 U	< 0.0022 U	< 0.001 U	< 0.0012 U
< 0.0011 U	< 0.0012 U	< 0.0022 U	< 0.001 U	< 0.0012 U
< 0.0011 U	< 0.0012 U	< 0.0022 U	< 0.001 U	< 0.0012 U
< 0.0011 U	< 0.0012 U	< 0.0022 UJ	< 0.001 U	< 0.0012 U
< 0.0011 U	< 0.0012 U	< 0.0022 UJ	< 0.001 U	< 0.0012 U
< 0.0011 UJ	< 0.0012 UJ	< 0.0022 UJ	< 0.001 U	< 0.0012 U
< 0.0011 U	< 0.0012 U	< 0.0022 U	< 0.001 U	< 0.0012 U
< 0.0056 UJ	< 0.0062 U	< 0.0067 UJ	< 0.0052 U	< 0.006 UJ
< 0.0011 U	< 0.0012 U	< 0.0022 U	< 0.001 U	< 0.0012 U
< 0.0011 U	< 0.0012 U	< 0.0022 UJ	< 0.001 U	< 0.0012 U
< 0.0011 U	< 0.0012 U	< 0.0022 U	< 0.001 U	< 0.0012 U
< 0.0011 U	< 0.0012 U	< 0.0022 U	< 0.001 U	< 0.0012 U
< 0.0011 U	< 0.0012 U	< 0.0022 U	< 0.001 U	< 0.0012 U
< 0.0011 U	< 0.0012 U	< 0.0022 U	< 0.001 U	< 0.0012 U

< 0.0035 UJ	< 0.0012 U	< 0.0013 U	< 0.00097 U	< 0.001 U
< 0.0176 U	< 0.0063 U	< 0.0064 U	< 0.0049 U	< 0.0052 U
< 0.0035 U	< 0.0012 U	< 0.0013 U	< 0.00097 U	< 0.001 U
< 0.0035 UJ	< 0.0012 U	< 0.0013 U	< 0.00097 U	< 0.001 U
< 0.0035 U	< 0.0012 U	< 0.0013 U	< 0.00097 U	< 0.001 U
< 0.0035 U	< 0.0012 U	< 0.0013 U	< 0.00097 U	< 0.001 U
< 0.0035 U	< 0.0012 U	< 0.0013 U	< 0.00097 U	< 0.001 U
< 0.0035 UJ	< 0.0012 U	< 0.0013 U	< 0.00097 U	< 0.001 U
< 0.0035 UJ	< 0.0012 U	< 0.0013 U	< 0.00097 U	< 0.001 U
< 0.0035 U	< 0.0012 U	< 0.0013 U	< 0.00097 UJ	< 0.001 UJ
< 0.0035 U	< 0.0012 U	< 0.0013 U	< 0.00097 U	< 0.001 U
< 0.0176 UJ	< 0.0063 U	< 0.0064 UJ	< 0.0049 UJ	< 0.0052 UJ
< 0.0035 UJ	< 0.0012 U	< 0.0013 U	< 0.00097 U	< 0.001 U
< 0.0035 UJ	< 0.0012 U	< 0.0013 U	< 0.00097 U	< 0.001 U
0.0012 J	**0.00075 J**	**0.00044 J**	< 0.00097 U	< 0.001 U
< 0.0035 U	< 0.0012 U	< 0.0013 U	< 0.00097 U	< 0.001 U
< 0.0035 U	< 0.0012 U	< 0.0013 U	< 0.00097 U	**0.0011**
< 0.0035 U	< 0.0012 U	< 0.0013 U	< 0.00097 U	< 0.001 U

< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U
< 0.005 U	**0.0212 J**	**0.0201**	**0.0094**	< 0.0043 U
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U
< 0.001 UJ	< 0.0009 UJ	< 0.00089 UJ	< 0.0009 U	< 0.00087 UJ
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U
< 0.005 U	< 0.0045 UJ	< 0.0044 U	< 0.0045 U	< 0.0043 U
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	**0.0035**
< 0.001 U	< 0.0009 UJ	< 0.00089 U	< 0.0009 U	< 0.00087 U

< 0.001 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U
< 0.005 U	< 0.0052 U	< 0.0054 U	< 0.0053 U	< 0.005 U
< 0.001 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U
< 0.001 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U
< 0.001 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U
< 0.001 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U
< 0.001 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U
< 0.001 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U
< 0.001 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U
< 0.001 U	< 0.001 UJ	< 0.0011 UJ	< 0.0011 UJ	< 0.001 UJ
< 0.001 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U
< 0.005 U	< 0.0052 U	< 0.0054 U	< 0.0053 U	< 0.005 UJ
< 0.001 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U
< 0.001 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U
< 0.001 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U
< 0.001 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U
< 0.001 U	< 0.001 U	< 0.0011 U	**0.0017**	< 0.001 U
< 0.001 U	< 0.001 U	< 0.0011 U	< 0.0011 U	< 0.001 U

< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U
< 0.005 U	**0.0046 J**	< 0.0047 U	< 0.0052 U	< 0.0047 U
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U
< 0.001 U	< 0.001 UJ	< 0.00093 UJ	< 0.001 U	< 0.00094 UJ
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U
< 0.005 U	< 0.005 UJ	< 0.0047 UJ	< 0.0052 UJ	< 0.0047 U
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U
< 0.001 U	< 0.001 U	< 0.00093 U	< 0.001 U	< 0.00094 U

< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
0.0025 J	< 0.0053 U	< 0.0062 U	< 0.0053 U	< 0.0058 U
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.001 UJ	< 0.0011 UJ	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.0051 U	< 0.0053 U	< 0.0062 U	< 0.0053 U	< 0.0058 U
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U
< 0.001 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0012 U

< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
< 0.0055 U	< 0.0048 U	< 0.0062 U	< 0.0055 U	< 0.0089 U	< 0.0088 U
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
				< 0.0089 U	< 0.0088 U
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
				< 0.0089 U	< 0.0088 U
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
				< 0.0089 U	< 0.0088 U
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
				< 0.0089 U,J,O	< 0.0088 U,J,O
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
				< 0.0089 U	< 0.0088 U
				< 0.0089 U	< 0.0088 U
				< 0.0089 U	< 0.0088 U
				< 0.0089 U	< 0.0088 U,J,O
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
				< 0.0089 U	< 0.0088 U,J,O
				< 0.0089 U	< 0.0088 U
< 0.0055 U	< 0.0048 U	< 0.0062 UJ	< 0.0055 UJ	< 0.0089 U,J,O	< 0.0088 U,J,O
				< 0.0089 U	< 0.0088 U
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
				< 0.0089 U	< 0.0088 U
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U
				< 0.0089 U	< 0.0088 U
< 0.0011 U	< 0.00095 U	< 0.0012 U	< 0.0011 U	< 0.0089 U	< 0.0088 U

< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U,J,O	< 0.0029 U,J,O
< 0.0095 U,J,O	< 0.0083 U	< 0.012 U,J,O	< 0.013 U,J,O	< 0.013 U,J,O	< 0.012 U,J,O	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U,J,O	< 0.0083 U	< 0.012 U,J,O	< 0.013 U,J,O	< 0.013 U,J,O	< 0.012 U,J,O	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U,J,O	< 0.0083 U	< 0.012 U,J,O	< 0.013 U,J,O	< 0.013 U,J,O	< 0.012 U,J,O	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U,J,O	< 0.0083 U,J,O	< 0.012 U,J,O	< 0.013 U,J,O	< 0.013 U,J,O	< 0.012 U,J,O	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U,J,O	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U,J,O	< 0.0029 U,J,O
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U,J,O	< 0.0083 U	< 0.012 U,J,O	< 0.013 U,J,O	< 0.013 U,J,O	< 0.012 U,J,O	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U,J,O	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U,J,O	< 0.0083 U	< 0.012 U,J,O	< 0.013 U,J,O	< 0.013 U,J,O	< 0.012 U,J,O	< 0.0030 U	< 0.0029 U
< 0.0095 U,J,O	< 0.0083 U,J,O	< 0.012 U,J,O	< 0.013 U,J,O	< 0.013 U,J,O	< 0.012 U,J,O	< 0.0030 U,J,O	< 0.0029 U,J,O
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U	< 0.0083 U	< 0.012 U	< 0.013 U	< 0.013 U	< 0.012 U	< 0.0030 U	< 0.0029 U
< 0.0095 U,J,O	< 0.0083 U	< 0.012 U,J,O	< 0.013 U,J,O	< 0.013 U,J,O	< 0.012 U,J,O	< 0.0030 U	< 0.0029 U

< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U,J,O	< 0.0022 U,J,O	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U,J,O	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U,J,O	< 0.0036 U,J,O	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	**0.042**	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U,J,O	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U,J,O	< 0.028 U,J,O	< 0.012 U,J,O
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U,J,O	< 0.0022 U,J,O	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U,J,O
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U,J,O	< 0.0022 U,J,O	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U,J,O	< 0.028 U,J,O	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	**0.00048 J,O**	< 0.0036 U	**0.00052 J,O**	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	**0.00058 J,O**	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U,J,O	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	**0.00047 J,O**	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U	< 0.0022 U	< 0.0033 U	**0.00028 J,O**	< 0.0036 U	**0.00038 J,O**	< 0.024 U	< 0.028 U	< 0.012 U
< 0.0038 U,J,O	< 0.0022 U	< 0.0033 U	< 0.0026 U	< 0.0036 U	< 0.0036 U	< 0.024 U	< 0.028 U	< 0.012 U

< 0.011 U	< 0.0042 U	< 0.0058 U	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U,J,O	< 0.036 U	< 0.038 U,J,O
< 0.011 U	< 0.0042 U,J,O	< 0.0058 U	< 0.0020 U	< 0.0023 U,J,O	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U,J,O	< 0.0058 U,J,O	< 0.0020 U,J,O	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U	< 0.0020 U	< 0.0023 U,J,O	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U,J,O	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U,J,O	< 0.0042 U	< 0.0058 U	< 0.0020 U	< 0.0023 U,J,O	< 0.025 U,J,O	< 0.029 U,J,O	< 0.036 U,J,O	< 0.038 U,J,O
< 0.011 U	< 0.0042 U	< 0.0058 U,J,O	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U,J,O	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U,J,O	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U,J,O	< 0.0058 U	< 0.0020 U	< 0.0023 U,J,O	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U	< 0.0020 U	< 0.0023 U,J,O	< 0.025 U	< 0.029 U,J,O	< 0.036 U,J,O	< 0.038 U,J,O
< 0.011 U	< 0.0042 U	< 0.0058 U	< 0.0020 U	< 0.0023 U,J,O	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U	< 0.0020 U,J,O	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U,J,O	< 0.0042 U,J,O	< 0.0058 U	< 0.0020 U	< 0.0023 U,J,O	< 0.025 U,J,O	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U,J,O	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U,J,O	< 0.0020 U,J,O	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U,J,O	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U,J,O	< 0.0020 U,J,O	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U,J,O	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U,J,O	< 0.0020 U,J,O	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U
< 0.011 U	< 0.0042 U	< 0.0058 U	< 0.0020 U	< 0.0023 U	< 0.025 U	< 0.029 U	< 0.036 U	< 0.038 U

< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
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< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U,J,O	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U,J,O
< 0.038 U	< 0.0020 U
< 0.038 U,J,O	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U,J,O
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U
< 0.038 U	< 0.0020 U

O = qualifier indicating the reported value is estimated due to the presence of interference or quality exception.

APPENDIX B COMPREHENSIVE ANALYTICAL DATA: SEDIMENT

(electronic only)

The Excel files are also attached to this PDF. Click on the paperclip if they do not show to the left.

Table B1
Sediment Sample Results Summary: Inorganics, PCBs and Pesticides
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

			Subfacility	AIP	AIP	AIP	AIP	AIP
			Area	Background (Site)	Background (Site)	Background (Site)	Background (Site)	Background (Site)
			Location	DD502	DD503	IS-001	IS-002	IS-003
			Sample Date	5/20/2009	5/20/2009	1/1/1996	1/1/1996	1/1/1996
			Sample ID	R4-C092302-54	R4-C092302-55	IS-001-SE-19960101	IS-002-SE-19960101	IS-003-SE-19960101
			ERM Sample ID	DD502-20090520	DD503-20090520	IS-001-19960101	IS-002-19960101	IS-003-19960101
			Sample Interval	0 - 3	0 - 3	0 - 0	0 - 0	0 - 0
			Sample Type	N	N	N	N	N
Chemical Name	**CAS No.**	**Units**						
Inorganics (mg/kg)								
Aluminum	7429-90-5	mg/kg	**6900**	**3800**			
Antimony	7440-36-0	mg/kg	**0.37 J,O**	< 7.1 U,J,O			
Arsenic	7440-38-2	mg/kg	**2.8**	**1.1 J,O**			
Barium	7440-39-3	mg/kg	**89**	**25**			
Beryllium	7440-41-7	mg/kg	**0.22 J,O**	**0.056 J,O**	**0.16 J**	**0.13 J**	**0.36 J**
Cadmium	7440-43-9	mg/kg	**1.2**	< 0.59 U,J,O	**2.3**	**1.18**	**2.57**
Calcium	7440-70-2	mg/kg	**1200**	**970**			
Chromium	7440-47-3	mg/kg	**26**	**9.1**	**89.7**	**15.8**	**36**
Cobalt	7440-48-4	mg/kg	**2.5 J,O**	**0.37 J,O**			
Copper	7440-50-8	mg/kg	**13**	**3.9**	**37.1**	**9.24**	**21.8**
Cyanide CN-	57-12-5	mg/kg	< 2.5 U	< 2.5 U			
Iron	7439-89-6	mg/kg	**10000**	**6800**			
Lead	7439-92-1	mg/kg	**80**	**10**	**128**	**56**	**204**
Magnesium	7439-95-4	mg/kg	**650**	**180 J,O**			
Manganese	7439-96-5	mg/kg	**490**	**94**			
Mercury	7439-97-6	mg/kg	< 0.12 U	< 0.11 U	**0.047 J**	**0.29**	**0.09 J**
Nickel	7440-02-0	mg/kg	**3.3 J,O**	**0.85 J,O**	**5.61**	**3.46**	**9.31**
Potassium	7440-09-7	mg/kg	**330 J,O**	**95 J,O**			
Selenium	7782-49-2	mg/kg	< 4.3 U,J,O	< 4.1 U,J,O	**0.52 J**	< 0.079	**0.56 J**
Silver	7440-22-4	mg/kg	< 1.2 U	< 1.2 U	**14**	< 0.21	< 0.25
Sodium	7440-23-5	mg/kg	**15 J,O**	**6.2 J,O**			

AIP Background (Site) IS-004 1/1/1996 IS-004 DUP-SE-19960101 IS-004-19960101 0 - 0 FD	AIP Background (Site) IS-004 1/1/1996 IS-004-SE-19960101 IS-004-19960101 0 - 0 N	AIP Background (Site) IS-005 1/1/1996 IS-005-SE-19960101 IS-005-19960101 0 - 0 N	AIP Background (Site) IS-006 1/1/1996 IS-006-SE-19960101 IS-006-19960101 0 - 0 N	AIP Background (Site) MNOPD201 6/29/2011 R4-E112801-07 MNOPD201-20110629 0 - 3 N	AIP MNOP Site DD511 5/15/2009 R4-C092302-66 DD511-20090515 0 - 3 N	AIP MNOP Site DD515 5/14/2009 R4-C092302-74 DD515-20090514 0 - 3 N	AIP MNOP Site DD516 5/14/2009 R4-C092302-75 DD516-20090514 0 - 3 N
					910	**3300**	**3500**
					4.7 J,O	< 7.4 U,J,O	< 6.5 U,J,O
					< 1.2 U	**1.1 J,O**	**0.78 J,O**
					3.5 J,O	**83**	**59**
0.21 J	**0.15 J**	**0.14 J**	**0.16 J**		< 0.59 U,J,O	**0.13 J,O**	**0.10 J,O**
1.03	**1**	**0.917**	**1.32**		< 0.59 U	**1.7**	**0.058**
					140 J,O	**3500**	**1300**
50.1	**71.1**	**93.9**	**14.7**		**3.4**	**7.5**	**4.3**
					< 5.9 U,J,O	**1.1 J,O**	**0.84 J,O**
28.2	**45.6**	**29.2**	**13.2**		**2.5 J,O**	**40**	**4.1**
					< 2.9 U	< 3.1 U	< 2.7 U
					1700	**3600**	**3300**
20.2	**36.6**	**49.4**	**19.6**		**1.1 J,O**	**20**	**20**
					200 J,O	**240 J,O**	**130 J,O**
					13	**300**	**180**
0.038 J	**0.041 J**	**0.04 J**	< 0.031	**0.085 J,O**	< 0.11 U	< 0.12 U,O	< 0.11 U
3.6	**8.01**	**2.73**	**3.66**		**0.69 J,O**	**1.6 J,O**	**1.2 J,O**
					160 J,O	**100 J,O**	**81 J,O**
< 0.093	< 0.1	< 0.98	< 0.092		< 4.1 U,J,O	< 4.3 U,J,O	< 3.8 U,J,O
< 0.24	< 0.27	< 0.26	< 0.24		< 1.2 U	< 1.2 U	< 1.1 U
					38 J,O	**9.2 J,O**	**6.1 J,O**

AIP MNOP Site DD516 5/14/2009 R4-C092302-76 DD516-20090514 0 - 3 FD	AIP MNOP Site DD517 5/14/2009 R4-C092302-77 DD517-20090514 0 - 3 N	AIP MNOP Site ISD-201 1/1/2000 ISD-201-01-20000101-01 ISD-201-20000101 0 - 0 N	AIP MNOP Site MNOPD401 6/30/2011 R4-E112801-08 MNOPD401-20110630 0 - 3 N	AIP MNOP Site MNOPD402 6/30/2011 R4-E112801-09 MNOPD402-20110630 0 - 3 N	AIP MNOP Site MNOPD402 6/30/2011 R4-E112801-10 MNOPD402-20110630 0 - 3 FD	AIP MNOP Site MNOPD403 6/30/2011 R4-E112801-11 MNOPD403-20110630 0 - 3 N	AIP MNOP Site MNOPD404 6/30/2011 R4-E112801-12 MNOPD404-20110630 0 - 3 N
3800	**3900**						
	0.34 J,O	< 0.46 UJ					
1.2 J,O	**1.9**	**1.38 =**					
78	**18 J,O**						
< 0.56 U,J,O	**0.086 J,O**	**0.2 J**					
< 0.56 U	**0.042**	< 0.08 U					
1800	**21000**						
5.2	**8.8**	**10.9 =**					
< 5.6 U,J,O	**0.85 J,O**						
6.0	**8.4**	**5.88 =**					
< 2.8 U	< 2.8 U						
3900	**6800**						
28	**10**	**10.5 =**					
160 J,O	**610**						
290	**88**						
< 0.12 U	< 0.12 U	**0.04 =**	< 0.050 U,J,O	**0.051 J,O**	< 0.050 U,J,O	< 0.050 U,J,O	**0.083 J,O**
1.5 J,O	**1.7 J,O**	**3.09 J**					
120 J,O	**290 J,O**						
	< 3.9 U,J,O	< 0.4 U					
< 1.1 U	< 1.1 U	< 0.1 U					
10 J,O	**28 J,O**						

AIP MNOP/AWI Boundary DD504 5/20/2009 R4-C092302-56 DD504-20090520 0 - 3 N	AIP MNOP/AWI Boundary DD505 5/19/2009 R4-C092302-57 DD505-20090519 0 - 3 N	AIP South of Site DD506 5/19/2009 R4-C092302-58 DD506-20090519 0 - 3 N	AIP South of Site DD507 5/19/2009 R4-C092302-59 DD507-20090519 0 - 3 N	AIP South of Site DD512 5/15/2009 R4-C092302-67 DD512-20090515 0 - 3 N	AIP South of Site DD518 5/14/2009 R4-C092302-78 DD518-20090514 0 - 3 N	AIP South of Site DD519 5/14/2009 R4-C092302-79 DD519-20090514 0 - 3 N	AIP South of Site ISD-202 1/1/2000 ISD-202-01-20000101-01 ISD-202-20000101 0 - 0 N
3000	**6000**	**2200**	**1400**	**2900**	**3500**	**7100**	
	0.81 J,O	< 8.0 U,J,O	**1.9 J,O**		< 8.0 U,J,O	**1.6 J,O**	< 0.62 UJ
2.2	**2.0**	< 1.3 U	< 1.3 U	**1.3**	**1.2 J,O**	**3.0 J,O**	**1.3 =**
47	**55**	**13 J,O**	**15 J,O**	**22 J,O**	**60**	**110**	
< 0.78 U,J,O	< 0.84 U,J,O	< 0.66 U,J,O	< 0.64 U,J,O	< 0.56 U,J,O	**0.11 J,O**	**0.35 J,O**	**0.24 J**
< 0.78 U,J,O	**0.98 J,O**	**0.94 J,O**	**0.90 J,O**	< 0.56 U	< 0.67 U,J,O	**11**	< 0.1 U
3700	**2100**	**1700**	**2700**	**350 J,O**	**2400**	**5600**	
7.4	**13**	**17**	**2.6**	**5.1**	**6.1**	**24**	**34 =**
< 7.8 U,J,O	< 8.4 U,J,O	< 6.6 U,J,O	< 6.4 U,J,O	< 5.6 U,J,O	**0.81 J,O**	**4.1 J,O**	
6.6	**22 J,O**	**5.0 J,O**	**7.1 J,O**	**3.4**	**5.9**	**32**	**4.67 =**
< 3.9 U				< 2.8 U	< 3.3 U	< 8.8 U	
4300	**8500**	**6600**	**1400**	**3400**	**5100**	**11000**	
18	**72**	**19**	**45**	**11**	**20**	**53**	**17.4 =**
570 J,O	**670 J,O**	**350 J,O**	**590 J,O**	**140 J,O**	**200 J,O**	**560 J,O**	
220	**180**	**39**	**42**	**140**	**150**	**320**	
< 0.16 U	**0.087 J,O**	**0.027 J,O**	< 0.13 U	< 0.11 U	< 0.13 U	< 0.35 U,O	**0.07 =**
1.4 J,O	**4.0 J,O**	**0.85 J,O**	**0.71 J,O**	**1.0 J,O**	**2.1 J,O**	**3.3 J,O**	**3.23 J**
600 J,O	**200 J,O**	**20 J,O**	**50 J,O**	**130 J,O**	**130 J,O**	**130 J,O**	
< 5.5 U,J,O	< 5.9 U	< 4.6 U	< 4.5 U	< 3.9 U,J,O	< 4.7 U,J,O	< 12 U,J,O	< 0.55 U
0.57 J,O	< 1.7 U	< 1.3 U	< 1.3 U	< 1.1 U	< 1.3 U	< 3.5 U	< 0.14 U
17 J,O	**38 J,O**	**26 J,O**	**49 J,O**	**30 J,O**	**13 J,O**	**170 J,O**	

AIP South of Site ISD-202 1/1/2000 ISD-202-01A-20000101-01 ISD-202-20000101 0 - 0 FD	AIP South of Site ISD-203 1/1/2000 ISD-203-01-20000101-01 ISD-203-20000101 0 - 0 N	AIP South of Site ISD-204 1/1/2000 ISD-204-01-20000101-01 ISD-204-20000101 0 - 0 N	AIP South of Site MNOPD405 6/30/2011 R4-E112801-13 MNOPD405-20110630 0 - 3 N	AIP South of Site MNOPD406 6/30/2011 R4-E112801-14 MNOPD406-20110630 0 - 3 N	AIP South of Site MNOPD407 6/30/2011 R4-E112801-15 MNOPD407-20110630 0 - 3 N	AIP South of Site MNOPD408 6/30/2011 R4-E112801-16 MNOPD408-20110630 0 - 3 N
< 0.62 UJ	< 0.55 UJ	< 0.55 UJ				
0.83 =	**0.99 =**	**1.81 =**				
0.21 J	**0.16 J**	**0.23 J**				
< 0.1 U	< 0.09 U	< 0.09 U				
9.68 =	**7.81 =**	**14.5 =**				
3.85 =	**2.82 J**	**7.05 =**				
20.7 =	**7.33 =**	**10.6 =**				
0.07 =	**0.04 J**	**0.08 =**	< 0.050 U,J,O	< 0.050 U,J,O	**0.46**	**0.19 J,O**
2.94 J	**1.64 J**	**3.34 J**				
< 0.55 U	< 0.49 U	< 0.49 U				
< 0.14 U	< 0.12 U	< 0.12 U				

AIP South of Site MNOPD409 6/30/2011 R4-E112801-17 MNOPD409-20110630 0 - 3 N	AWI AWI AWI200 5/14/2009 R4-C092302-18 AWI200-20090514 0 - 0 N	AWI AWI AWI206 5/14/2009 R4-C092302-32 AWI206-20090514 0 - 0 N	AWI AWI DD500 5/14/2009 R4-C092302-52 DD500-20090514 0 - 3 N	AWI AWI DD501 5/19/2009 R4-C092302-53 DD501-20090519 0 - 3 N	LANDFILL OU2 LANDFILL OU2 DD508 5/18/2009 R4-C092302-61 DD508-20090518 0 - 3 N	LANDFILL OU2 LANDFILL OU2 DD509 5/18/2009 R4-C092302-64 DD509-20090518 0 - 3 N	LANDFILL OU2 LANDFILL OU2 DD510 5/15/2009 R4-C092302-65 DD510-20090515 0 - 3 N	LANDFILL OU2 LANDFILL OU2 DD513 5/13/2009 R4-C092302-68 DD513-20090513 0 - 3 N
				7800	4500	5700	8900	6200
				0.62 J,O	0.47 J,O	2.8 J,O	0.53 J,O	
				2.5	0.63 J,O	0.91 J,O	2.7	2.6
				100	57	100	140	69
				< 0.81 U,J,O	0.16 J,O	0.45 J,O	< 1.1 U,J,O	< 0.84 U,J,O
				< 0.81 U,J,O	8.4	12	4.5	5.8
				17000	3600	9300	1200	6700
				14	18	16	31	18
				< 8.1 U,J,O	1.3 J,O	1.0 J,O	< 11 U,J,O	< 8.4 U,J,O
				42 J,O	38	28	20	34
					< 3.6 U	< 4.1 U	< 5.7 U	< 4.2 U
				9000	5000	4800	18000	8100
				45	110	77	49	87
				2900	470 J,O	1700	760 J,O	1000
				300	67	180	960	210
1.1				0.63 J,O	< 0.15 U,O	< 0.16 U,O	< 0.24 U,O	< 0.18 U,O
				6.7 J,O	3.7 J,O	3.3 J,O	4.5 J,O	4.2 J,O
				640 J,O	100 J,O	280 J,O	460 J,O	280 J,O
				< 5.7 U	< 5.1 U,J,O	< 5.8 U,J,O	< 8.0 U,J,O	< 5.9 U,J,O
				2.0	< 1.5 U	< 1.6 U	< 2.3 U	< 1.7 U
				290 J,O	79 J,O	160 J,O	46 J,O	120 J,O

LANDFILL OU2 LANDFILL OU2 DD514 5/15/2009 R4-C092302-71 DD514-20090515 0 - 3 N	Offsite-AWI Offsite MNOPW01 6/29/2011 R4-E112801-18 MNOPW01-20110629 0 - 3 N	RC Background (RC) RC400 5/18/2009 R4-C092303-07 RC400-20090518 0 - 3 N	RC Background (RC) RC401 5/18/2009 R4-C092303-10 RC401-20090518 0 - 3 N	RC Background (RC) RC402 5/15/2009 R4-C092303-13 RC402-20090515 0 - 3 N	RC Background (RC) RC403 5/15/2009 R4-C092303-16 RC403-20090515 0 - 3 N	RC Background (RC) RC403 5/15/2009 R4-C092303-17 RC403-20090515 0 - 3 FD	RC Rocky Creek RC404 5/15/2009 R4-C092303-22 RC404-20090515 0 - 3 N	RC Rocky Creek RC405 5/15/2009 R4-C092303-25 RC405-20090515 0 - 3 N
11000		**2300**	**1400**	**13000**	**9600**	**9200**	**13000**	**1800**
		< 11 U,J,O	< 7.6 U,J,O					
4.4 J,O		**1.1 J,O**	**0.55 J,O**	**5.2**	**5.8**	**5.6**	**4.2**	**0.91 J,O**
110 J,O		**53**	**44**	**240**	**550**	**400**	**300**	**38**
< 2.7 U,J,O		**0.078 J,O**	**0.12 J,O**	**0.95**	< 1.1 U,J,O	< 1.0 U,J,O	< 0.98 U,J,O	< 0.67 U,J,O
12		< 0.93 U,J,O	< 0.63 U,J,O	< 0.86 U	< 1.1 U	< 1.0 U	< 0.98 U	< 0.67 U,J,O
11000		**390 J,O**	**510 J,O**	**720 J,O**	**1600**	**1500**	**1300**	**72 J,O**
29		**5.7**	**3.1**	**23**	**17**	**16**	**21**	**4.5**
< 27 U,J,O		**2.5 J,O**	**4.1 J,O**	**21**	**28**	**23**	**21**	< 6.7 U,J,O
45		**3.7 J,O**	**2.3 J,O**	**16**	**11**	**11**	**15**	**3.0 J,O**
< 14 U		< 4.7 U	< 3.1 U	< 4.3 U	< 5.3 U	< 5.0 U,J,O	< 4.9 U	< 3.4 U
11000		**6900**	**5500**	**41000**	**37000**	**34000**	**35000**	**3800**
110		**32**	**6.7**	**39**	**29**	**24**	**46**	**12**
1200 J,O		**220 J,O**	**240 J,O**	**1300**	**1100**	**1000**	**1300**	**130 J,O**
220		**740**	**1000**	**3700**	**11000**	**8700**	**5800**	**120**
< 0.58 U,O	**0.16 J,O**	< 0.20 U	< 0.13 U	< 0.17 U,J,O	< 0.21 U,J,O	< 0.19 U,J,O	< 0.21 U,J,O	< 0.13 U,J,O
8.6 J,O		**1.0 J,O**	**0.88 J,O**	**6.2 J,O**	**6.3 J,O**	**5.7 J,O**	**6.1 J,O**	**0.84 J,O**
410 J,O		**93 J,O**	**99 J,O**	**900**	**720 J,O**	**670 J,O**	**750 J,O**	**110 J,O**
< 19 U,J,O		< 6.5 U,J,O	< 4.4 U,J,O	< 6.0 U,J,O	< 7.5 U,J,O	< 7.0 U,J,O	< 6.8 U,J,O	< 4.7 U,J,O
< 5.4 U		< 1.9 U	< 1.3 U	< 1.7 U	< 2.1 U	< 2.0 U	< 2.0 U	< 1.3 U
260 J,O		**6.4 J,O**	**20 J,O**	**43 J,O**	**50 J,O**	**53 J,O**	**43 J,O**	**8.9 J,O**

RC Rocky Creek RC406 5/18/2009 R4-C092303-28 RC406-20090518 0 - 3 N	RC Rocky Creek RC407 5/19/2009 R4-C092303-31 RC407-20090519 0 - 3 N	RC Rocky Creek RC408 5/12/2009 R4-C092303-34 RC408-20090512 0 - 3 N	RC Rocky Creek RC409 5/12/2009 R4-C092303-37 RC409-20090512 0 - 3 N
5000	**6500**	**10000**	**12000**
< 7.3 U,J,O	**0.60 J,O**		
1.7	**1.8 J,O**	**5.0**	**4.0**
110	**170**	**160**	**160**
0.33 J,O	< 1.1 U,J,O	< 1.6 U,J,O	< 0.92 U,J,O
< 0.61 U,J,O	**6.0 J,O**	**15**	**6.2**
450 J,O	**2400**	**2600**	**1400**
11	**22**	**38**	**30**
10 J,O	< 11 U,J,O	< 16 U,J,O	**15**
4.6	**14 J,O**	**39**	**24**
< 3.0 U		< 7.8 U	< 4.6 U
17000	**17000**	**17000**	**25000**
23	**32**	**77**	**55**
480 J,O	**820 J,O**	**800 J,O**	**980**
2000	**2900**	**1900**	**2700**
< 0.13 U,J,O	**0.94 J,O**	**1.9**	**0.77**
2.5 J,O	**4.5 J,O**	**5.4 J,O**	**5.4 J,O**
220 J,O	**270 J,O**	**430 J,O**	**600 J,O**
< 4.2 U,J,O	< 7.9 U	< 11 U,J,O	< 6.5 U,J,O
< 1.2 U	< 2.3 U	< 3.1 U	< 1.8 U
29 J,O	**55 J,O**	**61 J,O**	**50 J,O**

Thallium	7440-28-0	mg/kg	**0.40 J,O**	**0.16 J,O**	< 0.12	< 0.085	**0.35 J**
Vanadium	7440-62-2	mg/kg	**28 J,O**	**19 J,O**			
Zinc	7440-66-6	mg/kg	**150**	**12**	**183**	**98.6**	**169**
PCBs (mg/kg)							
Aroclor 1016	12674-11-2	mg/kg	< 0.041 U	< 0.039 U			
Aroclor 1221	11104-28-2	mg/kg	< 0.041 U	< 0.039 U			
Aroclor 1232	11141-16-5	mg/kg	< 0.041 U	< 0.039 U			
Aroclor 1242	53469-21-9	mg/kg	< 0.041 U	< 0.039 U			
Aroclor 1248	12672-29-6	mg/kg	< 0.041 U	< 0.039 U			
Aroclor 1254	11097-69-1	mg/kg	< 0.041 U	< 0.039 U			
Aroclor 1260	11096-82-5	mg/kg	< 0.041 U	< 0.039 U			
Aroclor 1262	37324-23-5	mg/kg	< 0.041 U	< 0.039 U			
Aroclor 1268	11100-14-4	mg/kg	< 0.041 U	< 0.039 U			
Pesticides (mg/kg)							
4,4'-DDD	72-54-8	mg/kg	< 0.0041 U	< 0.0039 U			
4,4'-DDE	72-55-9	mg/kg	**0.0027 J,O**	**0.016**			
4,4'-DDT	50-29-3	mg/kg	**0.0024 NJ,O**	**0.0020 J,O**			
Aldrin	309-00-2	mg/kg	< 0.0021 U	< 0.0020 U			
alpha-BHC/HCH	319-84-6	mg/kg	< 0.0021 U	< 0.0020 U			
alpha-Chlordane	5103-71-9	mg/kg	< 0.0021 U	< 0.0020 U			
beta-BHC/HCH	319-85-7	mg/kg	< 0.0021 U	< 0.0020 U			
Chlorinated camphene/ Toxaphene	8001-35-2	mg/kg	< 0.21 U	< 0.2 U			
cis-Heptachlor epoxide	1024-57-3	mg/kg	< 0.0021 U	< 0.0020 U			
delta-BHC/HCH	319-86-8	mg/kg	< 0.0021 U	< 0.0020 U			
Dieldrin	60-57-1	mg/kg	< 0.0041 U	< 0.0039 U			
Endosulfan I (Alpha)	959-98-8	mg/kg	< 0.0021 U	< 0.0020 U			
Endosulfan II (Beta)	33213-65-9	mg/kg	< 0.0041 U	< 0.0039 U			
Endosulfan sulfate	1031-07-8	mg/kg	< 0.0041 U	< 0.0039 U			
Endrin	72-20-8	mg/kg	< 0.0041 U	< 0.0039 U			
Endrin aldehyde	7421-93-4	mg/kg	< 0.0041 U	< 0.0039 U			
Endrin ketone	53494-70-5	mg/kg	< 0.0041 U	< 0.0039 U			
gamma-BHC/HCH (Lindane)	58-89-9	mg/kg	< 0.0021 U	< 0.0020 U			
gamma-Chlordane	5566-34-7	mg/kg	< 0.0021 U	< 0.0020 U			
Heptachlor	76-44-8	mg/kg	< 0.0021 U	< 0.0020 U			
Methoxychlor	72-43-5	mg/kg	< 0.021 U	< 0.02 U			

< 0.099	< 0.11	< 0.11	< 0.099		< 2.9 U	< 3.1 U	**0.17 J,O**
					< 5.9 U,J,O	**12 J,O**	**8.7 J,O**
139	**214**	**157**	**138**		**78**	**52**	**110**
					< 0.039 U	< 0.041 U	< 0.036 U
					< 0.039 U	< 0.041 U	< 0.036 U
					< 0.039 U	< 0.041 U	< 0.036 U
					< 0.039 U	< 0.041 U	< 0.036 U
					< 0.039 U	< 0.041 U,J,O	< 0.036 U,J,O
					< 0.039 U	< 0.041 U	< 0.036 U
					< 0.039 U	< 0.041 U	< 0.036 U
					< 0.039 U	< 0.041 U	< 0.036 U
					< 0.039 U	< 0.041 U	< 0.036 U
					< 0.0039 U	**0.0066**	< 0.0036 U
					< 0.0039 U	**0.015**	**0.0022 J,O**
					< 0.0039 U	**0.019 N,O**	< 0.0036 U
					< 0.0020 U	< 0.0021 U	< 0.0018 U
					< 0.0020 U	< 0.0021 U	< 0.0018 U
					< 0.0020 U	< 0.0021 U,O	< 0.0018 U
					< 0.0020 U	< 0.0021 U	< 0.0018 U
					< 0.2 U	< 0.21 U	< 0.18 U
					< 0.0020 U	< 0.0021 U	< 0.0018 U
					< 0.0020 U	< 0.0021 U	< 0.0018 U
					< 0.0039 U	< 0.0041 U	< 0.0036 U
					< 0.0020 U	< 0.0021 U	< 0.0018 U
					< 0.0039 U	< 0.0041 U	< 0.0036 U
					< 0.0039 U	< 0.0041 U	< 0.0036 U
					< 0.0039 U	< 0.0041 U	< 0.0036 U
					< 0.0039 U	< 0.0041 U	< 0.0036 U
					< 0.0039 U	< 0.0041 U	< 0.0036 U
					< 0.0020 U	< 0.0021 U	< 0.0018 U
					< 0.0020 U	**0.00093 NJ,O**	< 0.0018 U
					< 0.0020 U	< 0.0021 U	< 0.0018 U
					< 0.02 U	< 0.021 U	< 0.018 U

< 2.8 U	< 2.8 U	< 0.23 U					
11 J,O	**15 J,O**						
130	**28**	**78.2 -**					
< 0.038 U	< 0.038 U	< 0.0039 U					
< 0.038 U	< 0.038 U	< 0.0039 U					
< 0.038 U	< 0.038 U	< 0.0039 U					
< 0.038 U	< 0.038 U	< 0.0039 U					
< 0.038 U,J,O	< 0.038 U,J,O	< 0.0039 U					
< 0.038 U	< 0.038 U	< 0.0039 U					
< 0.038 U	< 0.038 U	< 0.0039 U					
< 0.038 U	< 0.038 U						
< 0.038 U	< 0.038 U						
0.0089	< 0.0038 U						
0.0038 N,O	**0.0016 J,O**						
0.0021 J,O	**0.0020 J,O**						
< 0.0019 U	< 0.0019 U						
< 0.0019 U	< 0.0019 U						
< 0.0019 U	< 0.0019 U						
< 0.0019 U	< 0.0019 U						
< 0.19 U	< 0.19 U						
< 0.0019 U	< 0.0019 U						
< 0.0019 U	< 0.0019 U						
< 0.0038 U	< 0.0038 U						
< 0.0019 U	< 0.0019 U						
< 0.0038 U	< 0.0038 U						
< 0.0038 U	< 0.0038 U						
< 0.0038 U	< 0.0038 U						
< 0.0038 U	< 0.0038 U						
< 0.0038 U	< 0.0038 U						
< 0.0019 U	< 0.0019 U						
< 0.0019 U	< 0.0019 U						
< 0.0019 U	< 0.0019 U						
< 0.019 U	< 0.019 U						

< 3.9 U	< 4.2 U,J,O	< 3.3 U	< 3.2 U	< 2.8 U,J,O	< 3.3 U	< 8.8 U	< 0.32 U
11 J,O	**25 J,O**	**20 J,O**	< 6.4 U,J,O	**9.3 J,O**	**13 J,O**	**35 J,O**	
36	**130 J,O**	**27 J,O**	**15 J,O**	**28**	**26**	**59**	**33.4 =**

< 0.052 U	< 0.053 U	< 0.043 U	< 0.04 U	< 0.037 U	< 0.045 U	< 0.13 U	< 0.0052 U
< 0.052 U	< 0.053 U	< 0.043 U	< 0.04 U	< 0.037 U	< 0.045 U	< 0.13 U	< 0.0052 U
< 0.052 U	< 0.053 U	< 0.043 U	< 0.04 U	< 0.037 U	< 0.045 U	< 0.13 U	< 0.0052 U
< 0.052 U	< 0.053 U	< 0.043 U	< 0.04 U	< 0.037 U	< 0.045 U	< 0.13 U	< 0.0052 U
< 0.052 U	< 0.053 U	**0.36**	**0.55**	< 0.037 U	< 0.045 U,O	**0.99 J,O**	< 0.0052 U
< 0.052 U	< 0.053 U	< 0.043 U	< 0.04 U	< 0.037 U	< 0.045 U	**0.92**	< 0.0052 U
< 0.052 U	< 0.053 U	< 0.043 U	< 0.04 U	< 0.037 U	< 0.045 U	**0.23**	< 0.0052 U
< 0.052 U	< 0.053 U	< 0.043 U	< 0.04 U	< 0.037 U	< 0.045 U	< 0.13 U	
< 0.052 U	< 0.053 U	< 0.043 U	< 0.04 U	< 0.037 U	< 0.045 U	< 0.13 U	

< 0.0052 U	**0.0028 J,O**	< 0.0043 U	< 0.0040 U	< 0.0037 U	< 0.0045 U	**0.0043 NJ,O**	
< 0.0052 U	**0.0027 NJ,O**	< 0.0043 U	< 0.0040 U	**0.0054**	< 0.0045 U	< 0.013 U,O	
0.0078 J,O	< 0.0053 U,J,O	< 0.0043 U	< 0.0040 U	< 0.0037 U	< 0.0045 U	**0.025 N,O**	
< 0.0027 U	< 0.0027 U	< 0.0022 U	< 0.0020 U	< 0.0019 U	< 0.0023 U	< 0.0065 U	
< 0.0027 U	< 0.0027 U	< 0.0022 U	< 0.0020 U	< 0.0019 U	< 0.0023 U	< 0.0065 U	
< 0.0027 U	< 0.0027 U	< 0.0022 U	< 0.0020 U	< 0.0019 U	< 0.0023 U	< 0.0065 U	
< 0.0027 U	< 0.0027 U	< 0.0022 U	< 0.0020 U	< 0.0019 U	< 0.0023 U	< 0.0065 U	
< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U	< 0.65 U	
< 0.0027 U	< 0.0027 U	< 0.0022 U	< 0.0020 U	< 0.0019 U	**0.00064 NJ,O**	< 0.0065 U,O	
< 0.0027 U	< 0.0027 U	< 0.0022 U	< 0.0020 U	< 0.0019 U	< 0.0023 U	< 0.0065 U	
0.0047 NJ,O	< 0.0053 U	< 0.0043 U	< 0.0040 U	< 0.0037 U	**0.12 J,O**	< 0.013 U,O	
< 0.0027 U	< 0.0027 U	< 0.0022 U,O	< 0.0020 U,O	< 0.0019 U	< 0.0023 U	< 0.0065 U	
< 0.0052 U	**0.0037 NJ,O**	< 0.0043 U	< 0.0040 U	< 0.0037 U	< 0.0045 U	< 0.013 U	
< 0.0052 U	< 0.0053 U	**0.014 N,O**	< 0.0040 U	< 0.0037 U	< 0.0045 U	< 0.013 U	
< 0.0052 U	< 0.0053 U	< 0.0043 U	< 0.0040 U	< 0.0037 U	< 0.0045 U	< 0.013 U	
< 0.0052 U	< 0.0053 U	< 0.0043 U	< 0.0040 U	< 0.0037 U	< 0.0045 U	< 0.013 U	
< 0.0052 U	< 0.0053 U	< 0.0043 U	< 0.0040 U	< 0.0037 U	< 0.0045 U	< 0.013 U	
< 0.0027 U	< 0.0027 U	< 0.0022 U	< 0.0020 U	< 0.0019 U	< 0.0023 U	< 0.0065 U	
< 0.0027 U	**0.0022 NJ,O**	**0.013**	**0.016**	< 0.0019 U	< 0.0023 U	< 0.0065 U,O	
< 0.0027 U	< 0.0027 U	< 0.0022 U	< 0.0020 U	< 0.0019 U	< 0.0023 U	< 0.0065 U	
< 0.027 U	< 0.027 U	< 0.022 U	< 0.02 U	< 0.019 U	< 0.023 U	< 0.065 U	

< 0.32 U	< 0.28 U	< 0.28 U				
24.5 =	**17.5 =**	**18.8 =**				

< 0.0053 U	< 0.0046 U	< 0.0046 U				
< 0.0053 U	< 0.0046 U	< 0.0046 U				
< 0.0053 U	< 0.0046 U	< 0.0046 U				
< 0.0053 U	< 0.0046 U	< 0.0046 U				
< 0.0053 U	< 0.0046 U	< 0.0046 U				
< 0.0053 U	< 0.0046 U	< 0.0046 U				
< 0.0053 U	< 0.0046 U	< 0.0046 U				

				< 4.1 U	< 3.6 U	< 4.1 U	< 5.7 U,J,O	< 4.2 U
				22 J,O	**17 J,O**	**13 J,O**	**43 J,O**	**22 J,O**
				120 J,O	**390**	**150**	**56**	**150**
	< 0.085 U	< 0.049 U	< 0.2 U	< 0.05 U	< 0.1 U	< 0.041 U	< 0.071 U	< 0.055 U
	< 0.085 U	< 0.049 U	< 0.2 U	< 0.05 U	< 0.1 U	< 0.041 U	< 0.071 U	< 0.055 U
	< 0.085 U	< 0.049 U	< 0.2 U	< 0.05 U	< 0.1 U	< 0.041 U	< 0.071 U	< 0.055 U
	< 0.085 U	< 0.049 U	< 0.2 U	< 0.05 U	< 0.1 U	< 0.041 U	< 0.071 U	< 0.055 U
	< 0.085 U,J,O	**0.11 J,O**	**24 J,O**	**3.1**	**14 J,O**	**3.7 J,O**	**1.8**	< 0.055 U
	0.038 J,O	**0.2**	< 0.2 U	< 0.05 U	< 0.1 U	< 0.041 U	< 0.071 U	**2**
	< 0.085 U	**0.042 J,O**	**1.1**	< 0.05 U	**0.75**	**0.47**	< 0.071 U	< 0.055 U
	< 0.085 U	< 0.049 U	< 0.2 U	< 0.05 U	< 0.1 U	< 0.041 U	< 0.071 U	< 0.055 U
	< 0.085 U	< 0.049 U	< 0.2 U	< 0.05 U	< 0.1 U	< 0.041 U	< 0.071 U	< 0.055 U
				< 0.0050 U	**0.034 N,O**	< 0.0041 U	< 0.0071 U	< 0.0055 U
				< 0.0050 U	**0.23 N,O**	< 0.0041 U,O	< 0.0071 U	< 0.0055 U
				< 0.0050 U	**0.21 J,O**	< 0.0041 U,O	< 0.0071 U	< 0.0055 U
				< 0.0026 U	< 0.0053 U	< 0.0021 U	< 0.0037 U	< 0.0028 U
				< 0.0026 U	< 0.0053 U	< 0.0021 U	< 0.0037 U	< 0.0028 U
				< 0.0026 U	**0.027 N,O**	**0.013**	< 0.0037 U	< 0.0028 U
				< 0.0026 U	< 0.0053 U,O	**0.022 N,O**	< 0.0037 U	< 0.0028 U
				< 0.26 U	< 0.53 U,J,O	< 0.21 U,J,O	< 0.37 U	< 0.28 U
				< 0.0026 U	< 0.0053 U,O	< 0.0021 U	< 0.0037 U	< 0.0028 U
				< 0.0026 U	< 0.0053 U	< 0.0021 U	< 0.0037 U	< 0.0028 U
				< 0.0050 U	< 0.01 U,O	< 0.0041 U,O	< 0.0071 U	< 0.0055 U
				< 0.0026 U	< 0.0053 U	< 0.0021 U	< 0.0037 U	< 0.0028 U,O
				< 0.0050 U	< 0.01 U	< 0.0041 U,O	< 0.0071 U	< 0.0055 U
				< 0.0050 U	< 0.01 U	< 0.0041 U	< 0.0071 U	< 0.0055 U
				< 0.0050 U	< 0.01 U,O	**0.017 N,O**	< 0.0071 U	< 0.0055 U
				< 0.0050 U	< 0.01 U	< 0.0041 U,O	< 0.0071 U	< 0.0055 U
				0.17	< 0.01 U	< 0.0041 U,O	< 0.0071 U	< 0.0055 U
				0.01 N,O	< 0.0053 U,O	**0.0072 N,O**	< 0.0037 U	< 0.0028 U,O
				0.16	< 0.0053 U,O	< 0.0021 U,O	**0.056 N,O**	**0.086 N,O**
				< 0.0026 U	< 0.0053 U	< 0.0021 U	< 0.0037 U	< 0.0028 U
				< 0.026 U	**0.024 N,O**	**0.011 NJ,O**	< 0.037 U	< 0.028 U

< 14 U		**0.28 J,O**	**0.54 J,O**	< 4.3 U,J,O	< 5.3 U,J,O	< 5.0 U,J,O	< 4.9 U,J,O	< 3.3 U
47 J,O		**16 J,O**	**7.5 J,O**	**62 J,O**	**51 J,O**	**48 J,O**	**57 J,O**	**11 J,O**
300		**19**	**16**	**72**	**83**	**76**	**62**	**9.8**
< 0.16 U		< 0.038 U	< 0.043 U	< 0.057 U	< 0.067 U	< 0.068 U	< 0.06 U	< 0.045 U
< 0.16 U		< 0.038 U	< 0.043 U	< 0.057 U	< 0.067 U	< 0.068 U	< 0.06 U	< 0.045 U
< 0.16 U		< 0.038 U	< 0.043 U	< 0.057 U	< 0.067 U	< 0.068 U	< 0.06 U	< 0.045 U
< 0.16 U		< 0.038 U	< 0.043 U	< 0.057 U	< 0.067 U	< 0.068 U	< 0.06 U	< 0.045 U
2.4 J,O		< 0.038 U,J,O	< 0.043 U,J,O	< 0.057 U	< 0.067 U	< 0.068 U	< 0.06 U	**0.37**
< 0.16 U		< 0.038 U	< 0.043 U	< 0.057 U	< 0.067 U	< 0.068 U	< 0.06 U	< 0.045 U
< 0.16 U		< 0.038 U	< 0.043 U	< 0.057 U	< 0.067 U	< 0.068 U	< 0.06 U	< 0.045 U
< 0.16 U		< 0.038 U	< 0.043 U	< 0.057 U	< 0.067 U	< 0.068 U	< 0.06 U	< 0.045 U
< 0.16 U		< 0.038 U	< 0.043 U	< 0.057 U	< 0.067 U	< 0.068 U	< 0.06 U	< 0.045 U
< 0.016 U		< 0.0038 U	< 0.0043 U	< 0.0057 U	< 0.0067 U	< 0.0068 U	< 0.0060 U	< 0.0045 U
< 0.016 U		< 0.0038 U	< 0.0043 U	< 0.0057 U	< 0.0067 U	< 0.0068 U	< 0.0060 U	< 0.0045 U
< 0.016 U		< 0.0038 U,O	< 0.0043 U	< 0.0057 U	< 0.0067 U	< 0.0068 U	< 0.0060 U	< 0.0045 U
< 0.0083 U		< 0.0020 U	< 0.0022 U	< 0.0029 U	< 0.0035 U	< 0.0035 U	< 0.0031 U	< 0.0023 U
< 0.0083 U		< 0.0020 U	< 0.0022 U	< 0.0029 U	< 0.0035 U	< 0.0035 U	< 0.0031 U	< 0.0023 U
< 0.0083 U		< 0.0020 U,O	< 0.0022 U	< 0.0029 U	< 0.0035 U	< 0.0035 U	< 0.0031 U	< 0.0023 U
< 0.0083 U		< 0.0020 U	< 0.0022 U	< 0.0029 U	< 0.0035 U	< 0.0035 U	< 0.0031 U	< 0.0023 U
< 0.83 U		< 0.2 U,J,O	< 0.22 U,J,O	< 0.29 U	< 0.35 U	< 0.35 U	< 0.31 U	< 0.23 U
< 0.0083 U		< 0.0020 U	< 0.0022 U	< 0.0029 U	< 0.0035 U	< 0.0035 U	< 0.0031 U	< 0.0023 U
< 0.0083 U		< 0.0020 U	< 0.0022 U	< 0.0029 U	< 0.0035 U	< 0.0035 U	< 0.0031 U	< 0.0023 U
< 0.016 U		< 0.0038 U	< 0.0043 U	< 0.0057 U	< 0.0067 U	< 0.0068 U	< 0.0060 U	< 0.0045 U
< 0.0083 U,O		**0.00045 J,O**	< 0.0022 U	< 0.0029 U	< 0.0035 U	< 0.0035 U	< 0.0031 U	< 0.0023 U
< 0.016 U		< 0.0038 U	< 0.0043 U	< 0.0057 U	< 0.0067 U	< 0.0068 U	< 0.0060 U	< 0.0045 U
< 0.016 U		**0.0015 J,O**	< 0.0043 U	< 0.0057 U	< 0.0067 U	< 0.0068 U	< 0.0060 U	< 0.0045 U
< 0.016 U		**0.0021 NJ,O**	< 0.0043 U	< 0.0057 U	< 0.0067 U	< 0.0068 U	< 0.0060 U	< 0.0045 U
< 0.016 U		< 0.0038 U	< 0.0043 U	< 0.0057 U	< 0.0067 U	< 0.0068 U	< 0.0060 U	< 0.0045 U
< 0.016 U		**0.0037 J,O**	< 0.0043 U	< 0.0057 U	< 0.0067 U	< 0.0068 U	< 0.0060 U	< 0.0045 U
0.0085 N,O		< 0.0020 U	< 0.0022 U	< 0.0029 U	< 0.0035 U	< 0.0035 U	< 0.0031 U	< 0.0023 U
0.072		**0.0023 N,O**	< 0.0022 U	< 0.0029 U	< 0.0035 U	< 0.0035 U	< 0.0031 U	**0.01 N,O**
< 0.0083 U		< 0.0020 U	< 0.0022 U	< 0.0029 U	< 0.0035 U	< 0.0035 U	< 0.0031 U	< 0.0023 U
< 0.083 U		< 0.02 U	< 0.022 U	< 0.029 U	< 0.035 U	< 0.035 U	< 0.031 U	< 0.023 U

1.2 J,O	< 5.7 U,J,O	< 7.8 U,J,O	< 4.6 U,J,O
30 J,O	**30 J,O**	**41 J,O**	**49 J,O**
34	**60 J,O**	**98**	**76**
< 0.057 U	< 0.075 U	< 0.1 U	< 0.059 U
< 0.057 U	< 0.075 U	< 0.1 U	< 0.059 U
< 0.057 U	< 0.075 U	< 0.1 U	< 0.059 U
< 0.057 U	< 0.075 U	< 0.1 U	< 0.059 U
0.29 J,O	**3.5**	**7.8 J,O**	**5 J,O**
0.14	< 0.075 U	< 0.1 U	< 0.059 U
< 0.057 U	< 0.075 U	< 0.1 U	< 0.059 U
< 0.057 U	< 0.075 U	< 0.1 U	< 0.059 U
< 0.057 U	< 0.075 U	< 0.1 U	< 0.059 U
< 0.0057 U	< 0.0075 U	< 0.01 U	< 0.0059 U,J,O
< 0.0057 U	< 0.0075 U	**0.077**	< 0.0059 U,J,O
0.0088	< 0.0075 U	**0.072**	**0.025 NJ,O**
< 0.0029 U	< 0.0039 U	< 0.0052 U	< 0.0030 U,J,O
< 0.0029 U	< 0.0039 U	< 0.0052 U	< 0.0030 U,J,O
< 0.0029 U	< 0.0039 U	**0.0099**	**0.0028 NJ,O**
0.0029 J,O	< 0.0039 U	< 0.0052 U,O	< 0.0030 U,J,O
< 0.29 U,J,O	< 0.39 U	< 0.52 U	< 0.3 U,J,O
< 0.0029 U	< 0.0039 U	< 0.0052 U,O	< 0.0030 U,J,O
< 0.0029 U	< 0.0039 U	< 0.0052 U	< 0.0030 U,J,O
< 0.0057 U	< 0.0075 U	< 0.01 U,O	< 0.0059 U,J,O
< 0.0029 U	< 0.0039 U	< 0.0052 U	< 0.0030 U,J,O
< 0.0057 U	< 0.0075 U	< 0.01 U	**0.0021 J,O**
< 0.0057 U	< 0.0075 U	< 0.01 U	< 0.0059 U,J,O
0.0024 J,O	< 0.0075 U	< 0.01 U	< 0.0059 U,J,O
< 0.0057 U	< 0.0075 U	< 0.01 U	< 0.0059 U,J,O
< 0.0057 U	< 0.0075 U	< 0.01 U	< 0.0059 U,J,O
< 0.0029 U	< 0.0039 U	< 0.0052 U	< 0.0030 U,J,O
< 0.0029 U,O	**0.093 N,O**	**0.094 N,O**	**0.028 J,O**
< 0.0029 U	< 0.0039 U	< 0.0052 U	< 0.0030 U,J,O
< 0.029 U	< 0.039 U	**0.021 NJ,O**	**0.0090 NJ,O**

NOTES:

U = analyte not detected above the reference reporting limit

J = estimated concentration

O = qualifier indicating the reported value is estimated due to the presence of interference or quality exception.

Table B2
Sediment Sample Results Summary: PAHs
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

		Subfacility	AIP	AIP	AIP	AIP	AIP
		Area	Background (Site)	Background (Site)	Background (Site)	Background (Site)	Background (Site)
		Location	DD502	DD503	IS-001	IS-002	IS-003
		Sample Date	5/20/2009	5/20/2009	1/1/1996	1/1/1996	1/1/1996
		Sample ID	R4-C092302-54	R4-C092302-55	IS-001-SE-19960101	IS-002-SE-19960101	IS-003-SE-19960101
		ERM Sample ID	DD502-20090520	DD503-20090520	IS-001-19960101	IS-002-19960101	IS-003-19960101
		Sample Interval	0 - 3	0 - 3	0 - 0	0 - 0	0 - 0
		Sample Type	N	N	N	N	N
Chemical Name	**CAS No.**	**Units**					
PAHs (mg/kg)							
2-Methylnaphthalene	91-57-6	mg/kg	< 0.21 U	< 0.2 U	< 0.12	< 0.084	< 0.1
Acenaphthene	83-32-9	mg/kg	< 0.21 U	< 0.2 U	< 0.22	< 0.15	< 0.18
Acenaphthylene	208-96-8	mg/kg	< 0.21 U	**0.074 J,O**			
Anthracene	120-12-7	mg/kg	< 0.21 U	**0.023 J,O**	< 0.15	< 0.11	< 0.13
Benzo(a)anthracene	56-55-3	mg/kg	< 0.21 U	**0.22**			
Benzo(a)pyrene	50-32-8	mg/kg	**0.061 J,O**	**0.23**	< 0.2	< 0.14	< 0.17
Benzo(b)fluoranthene	205-99-2	mg/kg	**0.1 J,O**	**0.33 J,O**	**0.23 J**	< 0.089	**0.1 J**
Benzo(g,h,i)perylene	191-24-2	mg/kg	**0.072 J,O**	**0.21**			
Benzo(k)fluoranthene	207-08-9	mg/kg	**0.038 J,O**	**0.23**	< 0.22	< 0.15	< 0.18
Chrysene	218-01-9	mg/kg	**0.068 J,O**	**0.26**	< 0.25	< 0.17	< 0.2
Dibenzo(a,h)anthracene	53-70-3	mg/kg	< 0.21 U	**0.097 J,O**	< 0.2	< 0.14	< 0.17 U
Fluoranthene	206-44-0	mg/kg	**0.087 J,O**	**0.31**	< 0.23	< 0.16	< 0.19
Fluorene	86-73-7	mg/kg	< 0.21 U	< 0.2 U	< 0.19	< 0.13	< 0.15
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	**0.092 J,O**	**0.27 J,O**	< 0.19	< 0.13	< 0.15
Naphthalene	91-20-3	mg/kg	< 0.21 U	< 0.2 U	< 0.13	< 0.09	< 0.11
Phenanthrene	85-01-8	mg/kg	**0.035 J,O**	**0.069 J,O**	< 0.14	< 0.098	< 0.12
Pyrene	129-00-0	mg/kg	**0.079 J,O**	**0.27**	< 0.2	< 0.14	< 0.17

NOTES:
U = analyte not detected above the reference reporting limit
J = estimated concentration

AIP Background (Site) IS-004 1/1/1996 IS-004 DUP-SE-19960101 IS-004-19960101 0 - 0 FD	AIP Background (Site) IS-004 1/1/1996 IS-004-SE-19960101 IS-004-19960101 0 - 0 N	AIP Background (Site) IS-005 1/1/1996 IS-005-SE-19960101 IS-005-19960101 0 - 0 N	AIP Background (Site) IS-006 1/1/1996 IS-006-SE-19960101 IS-006-19960101 0 - 0 N	AIP MNOP Site DD511 5/15/2009 R4-C092302-66 DD511-20090515 0 - 3 N	AIP MNOP Site DD515 5/14/2009 R4-C092302-74 DD515-20090514 0 - 3 N	AIP MNOP Site DD516 5/14/2009 R4-C092302-75 DD516-20090514 0 - 3 N	AIP MNOP Site DD516 5/14/2009 R4-C092302-76 DD516-20090514 0 - 3 FD
< 0.098	< 0.11	**0.5**	< 0.098	< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
< 0.18	**0.62**	**3.2**	< 0.18	< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
< 0.12	**0.76**	**4.6**	< 0.12	< 0.2 U	< 0.21 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O
				< 0.2 U	< 0.21 U	**0.03 J,O**	< 0.19 U
< 0.16	**0.81**	**5.4**	< 0.16	< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
0.12 J	**1.2**	**7.2**	**0.21**	< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
< 0.18	**0.39**	**2.4**	< 0.18	< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
< 0.2	**1.1**	**6.8**	**0.25**	< 0.2 U	**0.041 J,O**	**0.031 J,O**	< 0.19 U
< 0.16	< 0.18	**0.85**	< 0.16	< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
0.19 J	**2.3**	**20**	**0.48**	< 0.2 U	**0.058 J,O**	**0.058 J,O**	**0.042 J,O**
< 0.15	**0.37**	**2.1**	< 0.15	< 0.2 U	< 0.21 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O
< 0.15	**0.43**	**2.8**	< 0.15	< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
< 0.1	**0.29**	**1.3**	< 0.1	< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
0.15 J	**3**	**19**	**0.4**	< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
< 0.16	**1.7**	**11**	**0.28**	< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U

AIP MNOP Site DD517 5/14/2009 R4-C092302-77 DD517-20090514 0 - 3 N	AIP MNOP Site ISD-201 1/1/2000 ISD-201-01-20000101-01 ISD-201-20000101 0 - 0 N	AIP MNOP/AWI Boundary DD504 5/20/2009 R4-C092302-56 DD504-20090520 0 - 3 N	AIP MNOP/AWI Boundary DD505 5/19/2009 R4-C092302-57 DD505-20090519 0 - 3 N	AIP South of Site DD506 5/19/2009 R4-C092302-58 DD506-20090519 0 - 3 N	AIP South of Site DD507 5/19/2009 R4-C092302-59 DD507-20090519 0 - 3 N	AIP South of Site DD512 5/15/2009 R4-C092302-67 DD512-20090515 0 - 3 N	AIP South of Site DD518 5/14/2009 R4-C092302-78 DD518-20090514 0 - 3 N
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U	< 0.039 U	< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U	< 0.039 U	< 0.27 U	< 0.27 U	< 0.22 U	**0.043 J,O**	< 0.19 U	**0.067 J,O**
< 0.19 U,J,O	< 0.039 U	< 0.27 U	**0.031 J,O**	< 0.22 U	**0.048 J,O**	< 0.19 U	**0.17 J,O**
< 0.19 U	< 0.039 U	**0.12 J,O**	**0.21 J,O**	**0.033 J,O**	**0.41**	< 0.19 U	**0.063 J,O**
< 0.19 U	< 0.039 U	**0.1 J,O**	**0.22 J,O**	**0.047 J,O**	**0.41**	< 0.19 U	**0.27**
< 0.19 U	< 0.039 U	**0.18 J,O**	**0.28 J,O**	**0.043 J,O**	**0.64 J,O**	< 0.19 U	**0.86**
< 0.19 U	< 0.039 U	**0.092 J,O**	**0.18 J,O**	**0.062 J,O**	**0.32**	< 0.19 U	**0.2 J,O**
< 0.19 U	< 0.039 U	**0.072 J,O**	**0.21 J,O**	**0.031 J,O**	**0.43**	< 0.19 U	**0.62 J,O**
< 0.19 U	< 0.039 U	**0.13 J,O**	**0.28**	**0.045 J,O**	**0.48**	< 0.19 U	**0.14 J,O**
< 0.19 U	< 0.039 U	< 0.27 U	**0.063 J,O**	< 0.22 U	**0.13 J,O**	< 0.19 U	**0.11 J,O**
< 0.19 U	< 0.039 U	**0.24 J,O**	**0.44**	**0.054 J,O**	**0.75**	< 0.19 U	**0.082 J,O**
< 0.19 U,J,O	< 0.039 U	< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U,J,O
< 0.19 U	< 0.039 U	**0.13 J,O**	**0.23 J,O**	**0.034 J,O**	**0.39 J,O**	< 0.19 U	**0.32**
< 0.19 U	< 0.039 U	< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U	< 0.039 U	**0.051 J,O**	**0.17 J,O**	**0.028 J,O**	**0.23**	< 0.19 U	< 0.23 U
< 0.19 U	< 0.039 U	**0.2 J,O**	**0.38**	**0.051 J,O**	**0.82**	< 0.19 U	< 0.23 U

AIP South of Site DD519 5/14/2009 R4-C092302-79 DD519-20090514 0 - 3 N	AIP South of Site ISD-202 1/1/2000 ISD-202-01-20000101-01 ISD-202-20000101 0 - 0 N	AIP South of Site ISD-202 1/1/2000 ISD-202-01A-20000101-01 ISD-202-20000101 0 - 0 FD	AIP South of Site ISD-203 1/1/2000 ISD-203-01-20000101-01 ISD-203-20000101 0 - 0 N	AIP South of Site ISD-204 1/1/2000 ISD-204-01-20000101-01 ISD-204-20000101 0 - 0 N	AWI AWI DD501 5/19/2009 R4-C092302-53 DD501-20090519 0 - 3 N	LANDFILL OU2 LANDFILL OU2 DD508 5/18/2009 R4-C092302-61 DD508-20090518 0 - 3 N
< 0.65 U					< 2.6 U	< 0.53 U
< 0.65 U	< 0.0525 U	< 0.0528 U	< 0.184 U	< 0.0456 U	< 2.6 U	< 0.53 U
< 0.65 U	< 0.0525 U	< 0.0528 U	< 0.184 U	< 0.0456 U	< 2.6 U	< 0.53 U
< 0.65 U,J,O	< 0.0525 U	< 0.0528 U	< 0.184 U	< 0.0456 U	**0.92 J,O**	< 0.53 U,J,O
0.27 J,O	< 0.0525 U	**0.0383 J**	< 0.184 U	< 0.0456 U	**7.1**	**0.71 J,O**
0.7	< 0.0525 U	< 0.0528 U	< 0.184 U	< 0.0456 U	**6.6**	**1.4**
0.42 J,O	< 0.0525 U	**0.0809 J**	< 0.184 U	< 0.0456 U	**7 J,O**	**1**
0.62 J,O	< 0.0525 U	< 0.0528 U	< 0.184 U	< 0.0456 U	**5.2**	**0.68**
< 0.65 U	< 0.0525 U	< 0.0528 U	< 0.184 U	< 0.0456 U	**6.1**	**0.61**
0.57 J,O	< 0.0525 U	**0.0428 J**	< 0.184 U	< 0.0456 U	**7.9**	**1.2 J,O**
0.14 J,O	< 0.0525 U	< 0.0528 U	< 0.184 U	< 0.0456 U	< 2.6 U	**0.13 J,O**
< 0.65 U	< 0.0525 U	**0.0758 J**	< 0.184 U	< 0.0456 U	**15**	**0.92 J,O**
< 0.65 U,J,O	< 0.0525 U	< 0.0528 U	< 0.184 U	< 0.0456 U	< 2.6 U	< 0.53 U,J,O
0.17 J,O	< 0.0525 U	< 0.0528 U	< 0.184 U	< 0.0456 U	**5.7 J,O**	**0.29 J,O**
< 0.65 U	< 0.0525 U	< 0.0528 U	< 0.184 U	< 0.0456 U	< 2.6 U	< 0.53 U
< 0.65 U	< 0.0525 U	< 0.0528 U	< 0.184 U	< 0.0456 U	**4.6**	**0.36 J,O**
< 0.65 U	< 0.0525 U	**0.0807 J**	< 0.184 U	< 0.0456 U	**12**	**0.95 J,O**

LANDFILL OU2 LANDFILL OU2 DD509 5/18/2009 R4-C092302-64 DD509-20090518 0 - 3 N	LANDFILL OU2 LANDFILL OU2 DD510 5/15/2009 R4-C092302-65 DD510-20090515 0 - 3 N	LANDFILL OU2 LANDFILL OU2 DD513 5/13/2009 R4-C092302-68 DD513-20090513 0 - 3 N	LANDFILL OU2 LANDFILL OU2 DD514 5/15/2009 R4-C092302-71 DD514-20090515 0 - 3 N	RC Background (RC) RC400 5/18/2009 R4-C092303-07 RC400-20090518 0 - 3 N	RC Background (RC) RC401 5/18/2009 R4-C092303-10 RC401-20090518 0 - 3 N	RC Background (RC) RC402 5/15/2009 R4-C092303-13 RC402-20090515 0 - 3 N	RC Background (RC) RC403 5/15/2009 R4-C092303-16 RC403-20090515 0 - 3 N	RC Background (RC) RC403 5/15/2009 R4-C092303-17 RC403-20090515 0 - 3 FD
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	**0.077 J,O**	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
0.056 J,O	< 3.7 U	< 0.29 U	< 8.3 U	**0.43**	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	**0.075 J,O**	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
0.12 J,O	< 3.7 U	**0.053 J,O**	< 8.3 U	**2 J,O**	< 0.22 U,J,O	< 0.29 U	< 0.35 U	< 0.35 U
0.91	**1.5 J,O**	**0.68**	< 8.3 U	**4.9**	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
1.5	**3.7 J,O**	**1.3**	**1.9 J,O**	**2.8**	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
1.4	**1.2 J,O**	**0.73**	< 8.3 U	**3.9**	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
0.56	**7.1**	**1.6**	**2.8 J,O**	**0.52**	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
0.64	< 3.7 U	**0.22 J,O**	< 8.3 U	**1.6**	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
1.3	**2.5 J,O**	**1**	**1.2 J,O**	**4.4**	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
0.14 J,O	< 3.7 U	**0.28 J,O**	< 8.3 U	**0.34**	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
1.3	< 3.7 U	**0.58**	< 8.3 U	**15**	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U,J,O	< 3.7 U	< 0.29 U	< 8.3 U	**0.6 J,O**	< 0.22 U,J,O	< 0.29 U	< 0.35 U	< 0.35 U
0.27	**1.8 J,O**	**0.6**	< 8.3 U	**0.9**	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	**0.043 J,O**	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
0.57	**0.37 J,O**	**0.37**	< 8.3 U	**11**	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
1.2	**1.4 J,O**	**0.88**	< 8.3 U	**9.9**	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U

RC Rocky Creek RC404 5/15/2009 R4-C092303-22 RC404-20090515 0 - 3 N	RC Rocky Creek RC405 5/15/2009 R4-C092303-25 RC405-20090515 0 - 3 N	RC Rocky Creek RC406 5/18/2009 R4-C092303-28 RC406-20090518 0 - 3 N	RC Rocky Creek RC407 5/19/2009 R4-C092303-31 RC407-20090519 0 - 3 N	RC Rocky Creek RC408 5/12/2009 R4-C092303-34 RC408-20090512 0 - 3 N	RC Rocky Creek RC409 5/12/2009 R4-C092303-37 RC409-20090512 0 - 3 N
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U,J,O	< 3.8 U	< 1.5 U,J,O	**0.13 J,O**
< 0.31 U	**0.053 J,O**	**0.11 J,O**	**1.6 J,O**	**2.2**	**1.9**
< 0.31 U	**0.13 J,O**	**0.24 J,O**	**3.8 J,O**	**6.6**	**5.1**
< 0.31 U	< 0.23 U	**0.097 J,O**	**0.99 J,O**	**2.2**	**2**
< 0.31 U	**0.2 J,O**	**0.26 J,O**	**5.4**	**5 J,O**	**3.1 J,O**
< 0.31 U	< 0.23 U	< 0.29 U	**0.51 J,O**	**0.67 J,O**	**0.42 J,O**
< 0.31 U	**0.092 J,O**	**0.2 J,O**	**2.7 J,O**	**4.1**	**3.4**
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	**0.79 J,O**	**0.58 J,O**
0.097 J,O	< 0.23 U	**0.053 J,O**	**0.42 J,O**	**0.36 J,O**	**0.32 J,O**
< 0.31 U	< 0.23 U	< 0.29 U,J,O	< 3.8 U	< 1.5 U,J,O	< 0.61 U,J,O
< 0.31 U	< 0.23 U	**0.054 J,O**	**1.1 J,O**	**0.99 J,O**	**0.67 J,O**
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U	**0.54 J,O**	**0.72 J,O**	**0.57 J,O**
0.075 J,O	**0.051 J,O**	< 0.29 U	**1.6 J,O**	**2.4**	**2**

O = qualifier indicating the reported value is estimated due to the presence of interference or quality exception.

Table B3
Sediment Sample Results Summary: SVOCs
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

		Subfacility	AIP	AIP	AIP	AIP	AIP
		Area	Background (Site)	Background (Site)	Background (Site)	Background (Site)	Background (Site)
		Location	DD502	DD503	IS-001	IS-002	IS-003
		Sample Date	5/20/2009	5/20/2009	1/1/1996	1/1/1996	1/1/1996
		Sample ID	R4-C092302-54	R4-C092302-55	IS-001-SE-19960101	IS-002-SE-19960101	IS-003-SE-19960101
		ERM Sample ID	DD502-20090520	DD503-20090520	IS-001-19960101	IS-002-19960101	IS-003-19960101
		Sample Interval	0 - 3	0 - 3	0 - 0	0 - 0	0 - 0
		Sample Type	N	N	N	N	N
Chemical Name	**CAS No.**	**Units**					
SVOCs (mg/kg)							
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	< 0.21 U	< 0.2 U			
2,2-Oxybis(2-chloropropane)	39638-32-9	mg/kg	< 0.21 U	< 0.2 U			
2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	< 0.21 U	< 0.2 U			
2,4,5-Trichlorophenol	95-95-4	mg/kg	< 0.21 U	< 0.2 U			
2,4,6-Trichlorophenol	88-06-2	mg/kg	< 0.21 U	< 0.2 U			
2,4-Dichlorophenol	120-83-2	mg/kg	< 0.21 U	< 0.2 U			
2,4-Dimethylphenol	105-67-9	mg/kg	< 0.21 U	< 0.2 U			
2,4-Dinitrophenol	51-28-5	mg/kg	< 0.41 U,J,O	< 0.39 U,J,O			
2,4-Dinitrotoluene	121-14-2	mg/kg	< 0.21 U	< 0.2 U			
2,6-Dinitrotoluene	606-20-2	mg/kg	< 0.21 U	< 0.2 U			
2-Chloronaphthalene	91-58-7	mg/kg	< 0.21 U	< 0.2 U			
2-Chlorophenol	95-57-8	mg/kg	< 0.21 U	< 0.2 U			
2-Nitroaniline	88-74-4	mg/kg	< 0.41 U	< 0.39 U			
2-Nitrophenol	88-75-5	mg/kg	< 0.21 U	< 0.2 U			
3,3'-Dichlorobenzidine	91-94-1	mg/kg	< 0.21 U	< 0.2 U			
3-Nitroaniline	99-09-2	mg/kg	< 0.41 U	< 0.39 U			
4-Bromophenyl phenyl ether	101-55-3	mg/kg	< 0.21 U	< 0.2 U			
4-Chloro-3-methylphenol	59-50-7	mg/kg	< 0.21 U	< 0.2 U			
4-Chlorophenyl phenyl ether	7005-72-3	mg/kg	< 0.21 U	< 0.2 U			
4-Nitroaniline	100-01-6	mg/kg	< 0.41 U	< 0.39 U			
4-Nitrophenol	100-02-7	mg/kg	< 0.41 U	< 0.39 U			

AIP Background (Site) IS-004 1/1/1996 IS-004 DUP-SE-19960101 IS-004-19960101 0 - 0 FD	AIP Background (Site) IS-004 1/1/1996 IS-004-SE-19960101 IS-004-19960101 0 - 0 N	AIP Background (Site) IS-005 1/1/1996 IS-005-SE-19960101 IS-005-19960101 0 - 0 N	AIP Background (Site) IS-006 1/1/1996 IS-006-SE-19960101 IS-006-19960101 0 - 0 N	AIP MNOP Site DD511 5/15/2009 R4-C092302-66 DD511-20090515 0 - 3 N	AIP MNOP Site DD515 5/14/2009 R4-C092302-74 DD515-20090514 0 - 3 N	AIP MNOP Site DD516 5/14/2009 R4-C092302-75 DD516-20090514 0 - 3 N	AIP MNOP Site DD516 5/14/2009 R4-C092302-76 DD516-20090514 0 - 3 FD
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.39 U,J,O	< 0.41 U	< 0.36 U	< 0.38 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.39 U	< 0.41 U	< 0.36 U	< 0.38 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U		< 0.18 U	< 0.19 U,J,O
				< 0.39 U	< 0.41 U	< 0.36 U	< 0.38 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O
				< 0.39 U	< 0.41 U	< 0.36 U	< 0.38 U
				< 0.39 U	< 0.41 U	< 0.36 U	< 0.38 U

AIP MNOP Site DD517 5/14/2009 R4-C092302-77 DD517-20090514 0 - 3 N	AIP MNOP Site ISD-201 1/1/2000 ISD-201-01-20000101-01 ISD-201-20000101 0 - 0 N	AIP MNOP/AWI Boundary DD504 5/20/2009 R4-C092302-56 DD504-20090520 0 - 3 N	AIP MNOP/AWI Boundary DD505 5/19/2009 R4-C092302-57 DD505-20090519 0 - 3 N	AIP South of Site DD506 5/19/2009 R4-C092302-58 DD506-20090519 0 - 3 N	AIP South of Site DD507 5/19/2009 R4-C092302-59 DD507-20090519 0 - 3 N	AIP South of Site DD512 5/15/2009 R4-C092302-67 DD512-20090515 0 - 3 N	AIP South of Site DD518 5/14/2009 R4-C092302-78 DD518-20090514 0 - 3 N
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.38 U		< 0.52 U,J,O	< 0.53 U,J,O	< 0.43 U,J,O	< 0.4 U,J,O	< 0.37 U,J,O	< 0.45 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U,J,O	< 0.039 U	< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U,J,O
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.38 U		< 0.52 U	< 0.53 U	< 0.43 U	< 0.4 U	< 0.37 U	< 0.45 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	
< 0.38 U		< 0.52 U	< 0.53 U	< 0.43 U	< 0.4 U	< 0.37 U	< 0.45 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U,J,O		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U,J,O
< 0.38 U		< 0.52 U	< 0.53 U	< 0.43 U	< 0.4 U	< 0.37 U	< 0.45 U
< 0.38 U		< 0.52 U	< 0.53 U	< 0.43 U	< 0.4 U	< 0.37 U	< 0.45 U

AIP South of Site DD519 5/14/2009 R4-C092302-79 DD519-20090514 0 - 3 N	AIP South of Site ISD-202 1/1/2000 ISD-202-01-20000101-01 ISD-202-20000101 0 - 0 N	AIP South of Site ISD-202 1/1/2000 ISD-202-01A-20000101-01 ISD-202-20000101 0 - 0 FD	AIP South of Site ISD-203 1/1/2000 ISD-203-01-20000101-01 ISD-203-20000101 0 - 0 N	AIP South of Site ISD-204 1/1/2000 ISD-204-01-20000101-01 ISD-204-20000101 0 - 0 N	AWI AWI DD501 5/19/2009 R4-C092302-53 DD501-20090519 0 - 3 N	LANDFILL OU2 LANDFILL OU2 DD508 5/18/2009 R4-C092302-61 DD508-20090518 0 - 3 N
< 0.65 U					< 2.6 U	< 0.53 U
< 0.65 U					< 2.6 U	< 0.53 U
< 0.65 U					< 2.6 U	< 0.53 U
< 0.65 U					< 2.6 U	< 0.53 U
< 0.65 U					< 2.6 U	< 0.53 U
< 0.65 U					< 2.6 U	< 0.53 U
< 0.65 U					< 2.6 U	< 0.53 U
< 1.3 U					< 5 U,J,O	< 1 U,J,O
< 0.65 U					< 2.6 U	< 0.53 U
< 0.65 U					< 2.6 U	< 0.53 U
< 0.65 U,J,O	< 0.0525 U	< 0.0528 U	< 0.184 U	< 0.0456 U	< 2.6 U	< 0.53 U,J,O
< 0.65 U					< 2.6 U	< 0.53 U
< 1.3 U					< 5 U	< 1 U
< 0.65 U					< 2.6 U	< 0.53 U,J,O
					< 2.6 U	
< 1.3 U					< 5 U	< 1 U,J,O
< 0.65 U					< 2.6 U	< 0.53 U
< 0.65 U					< 2.6 U	< 0.53 U
< 0.65 U,J,O					< 2.6 U	< 0.53 U,J,O
< 1.3 U					< 5 U	< 1 U,J,O
< 1.3 U					< 5 U	< 1 U,J,O

LANDFILL OU2 LANDFILL OU2 DD509 5/18/2009 R4-C092302-64 DD509-20090518 0 - 3 N	LANDFILL OU2 LANDFILL OU2 DD510 5/15/2009 R4-C092302-65 DD510-20090515 0 - 3 N	LANDFILL OU2 LANDFILL OU2 DD513 5/13/2009 R4-C092302-68 DD513-20090513 0 - 3 N	LANDFILL OU2 LANDFILL OU2 DD514 5/15/2009 R4-C092302-71 DD514-20090515 0 - 3 N	RC Background (RC) RC400 5/18/2009 R4-C092303-07 RC400-20090518 0 - 3 N	RC Background (RC) RC401 5/18/2009 R4-C092303-10 RC401-20090518 0 - 3 N	RC Background (RC) RC402 5/15/2009 R4-C092303-13 RC402-20090515 0 - 3 N	RC Background (RC) RC403 5/15/2009 R4-C092303-16 RC403-20090515 0 - 3 N	RC Background (RC) RC403 5/15/2009 R4-C092303-17 RC403-20090515 0 - 3 FD
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
< 0.41 U,J,O	< 7.1 U,J,O	< 0.56 U,J,O	< 16 U,J,O	< 0.38 U,J,O	< 0.43 U,J,O	< 0.57 U,J,O	< 0.67 U,J,O	< 0.68 U,J,O
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U,J,O	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U,J,O	< 0.22 U,J,O	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
< 0.41 U	< 7.1 U	< 0.56 U	< 16 U	< 0.38 U	< 0.43 U	< 0.57 U	< 0.67 U	< 0.68 U
< 0.21 U,J,O	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U,J,O	< 0.22 U,J,O	< 0.29 U	< 0.35 U	< 0.35 U
	< 3.7 U	< 0.29 U	< 8.3 U		< 0.22 U,J,O	< 0.29 U	< 0.35 U	< 0.35 U
< 0.41 U,J,O	< 7.1 U	< 0.56 U	< 16 U	< 0.38 U,J,O	< 0.43 U,J,O	< 0.57 U	< 0.67 U	< 0.68 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U,J,O	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U,J,O	< 0.22 U,J,O	< 0.29 U	< 0.35 U	< 0.35 U
< 0.41 U,J,O	< 7.1 U	< 0.56 U	< 16 U	< 0.38 U,J,O	< 0.43 U,J,O	< 0.57 U	< 0.67 U	< 0.68 U
< 0.41 U,J,O	< 7.1 U	< 0.56 U	< 16 U	< 0.38 U,J,O	< 0.43 U,J,O	< 0.57 U	< 0.67 U	< 0.68 U

RC Rocky Creek RC404 5/15/2009 R4-C092303-22 RC404-20090515 0 - 3 N	RC Rocky Creek RC405 5/15/2009 R4-C092303-25 RC405-20090515 0 - 3 N	RC Rocky Creek RC406 5/18/2009 R4-C092303-28 RC406-20090518 0 - 3 N	RC Rocky Creek RC407 5/19/2009 R4-C092303-31 RC407-20090519 0 - 3 N	RC Rocky Creek RC408 5/12/2009 R4-C092303-34 RC408-20090512 0 - 3 N	RC Rocky Creek RC409 5/12/2009 R4-C092303-37 RC409-20090512 0 - 3 N
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.6 U,J,O	< 0.45 U,J,O	< 0.57 U,J,O	< 7.5 U,J,O	< 3 U,J,O	< 1.2 U,J,O
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U,J,O	< 3.8 U	< 1.5 U,J,O	< 0.61 U,J,O
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.6 U	< 0.45 U	< 0.57 U	< 7.5 U	< 3 U	< 1.2 U
< 0.31 U	< 0.23 U	< 0.29 U,J,O	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U		< 3.8 U	< 1.5 U	< 0.61 U
< 0.6 U	< 0.45 U	< 0.57 U,J,O	< 7.5 U	< 3 U	< 1.2 U
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U,J,O	< 3.8 U	< 1.5 U,J,O	< 0.61 U,J,O
< 0.6 U	< 0.45 U	< 0.57 U,J,O	< 7.5 U	< 3 U	< 1.2 U
< 0.6 U	< 0.45 U	< 0.57 U,J,O	< 7.5 U	< 3 U	< 1.2 U

Acetophenone	98-86-2	mg/kg	< 0.21 U	< 0.2 U			
Atrazine	1912-24-9	mg/kg	< 0.21 U	< 0.2 U			
Benzaldehyde	100-52-7	mg/kg	< 0.21 U	**0.046 J,O**			
Benzyl butyl phthalate	85-68-7	mg/kg	< 0.21 U	< 0.2 U			
Biphenyl	92-52-4	mg/kg	< 0.21 U	< 0.2 U			
Bis(2-chloroethoxy)methane	111-91-1	mg/kg	< 0.21 U	< 0.2 U			
Bis(2-ethylhexyl)phthalate	117-81-7	mg/kg	**0.24 J,O**	**0.27 J,O**	**3.1**	< 0.94	< 1.1
Caprolactam	105-60-2	mg/kg	< 0.21 U,J,O	< 0.2 U,J,O			
Carbazole	86-74-8	mg/kg	< 0.21 U	< 0.2 U			
Cresol	1319-77-3	mg/kg	< 0.21 U	< 0.2 U			
Dibenzofuran	132-64-9	mg/kg	< 0.21 U	< 0.2 U	< 0.19	< 0.13	< 0.15
Dibutyl phthalate	84-74-2	mg/kg	< 0.21 U	< 0.2 U			
Dichloroethyl ether	111-44-4	mg/kg	< 0.21 U	< 0.2 U			
Diethyl phthalate	84-66-2	mg/kg	< 0.21 U	< 0.2 U			
Dimethyl phthalate	131-11-3	mg/kg	< 0.21 U	< 0.2 U			
Dinitro-o-cresol	534-52-1	mg/kg	< 0.41 U	< 0.39 U			
Di-n-octyl phthalate	117-84-0	mg/kg	< 0.21 U,J,O	< 0.2 U,J,O			
Diphenylamine	122-39-4	mg/kg	< 0.21 U	< 0.2 U			
Hexachlorobenzene	118-74-1	mg/kg	< 0.21 U	< 0.2 U			
Hexachlorobutadiene	87-68-3	mg/kg	< 0.21 U	< 0.2 U			
Hexachlorocyclopentadiene	77-47-4	mg/kg	< 0.21 U	< 0.2 U			
Hexachloroethane	67-72-1	mg/kg	< 0.21 U	< 0.2 U			
Isophorone	78-59-1	mg/kg	< 0.21 U	< 0.2 U			
Nitrobenzene	98-95-3	mg/kg	< 0.21 U	< 0.2 U			
n-Nitrosodi-n-propylamine	621-64-7	mg/kg	< 0.21 U	< 0.2 U			
o-Cresol	95-48-7	mg/kg	< 0.21 U	< 0.2 U			
p-Chloroaniline	106-47-8	mg/kg	< 0.21 U	< 0.2 U			
Pentachlorophenol	87-86-5	mg/kg	< 0.41 U	< 0.39 U			
Phenol	108-95-2	mg/kg	< 0.21 U	< 0.2 U			

NOTES:

U = analyte not detected above the reference reporting limit

J = estimated concentration

O = qualifier indicating the reported value is estimated due to the presence of interference or quality exception.

				< 0.2 U	**0.047 J,O**	< 0.18 U	**0.07 J,O**
				< 0.2 U	< 0.21 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O
				< 0.2 U	< 0.21 U	< 0.18 U	**0.12 J,O**
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
< 1.1	< 1.2	< 6	< 1.1	< 0.2 U,J,O	**0.27 J,O**	< 0.18 U,J,O	< 0.19 U,J,O
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
< 0.15	**0.19 J**	**0.92**	< 0.15	< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.39 U	< 0.41 U	< 0.36 U	< 0.38 U
				< 0.2 U,J,O	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U,J,O	< 0.18 U,J,O	< 0.19 U,J,O
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U		< 0.18 U	< 0.19 U,J,O
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U
				< 0.2 U		< 0.18 U	< 0.19 U,J,O
				< 0.39 U,J,O	< 0.41 U	< 0.36 U	< 0.38 U
				< 0.2 U	< 0.21 U	< 0.18 U	< 0.19 U

< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	**0.054 J,O**
< 0.19 U,J,O		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U,J,O
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U,J,O		< 0.27 U,J,O	< 0.27 U,J,O	< 0.22 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.23 U,J,O
< 0.19 U		< 0.27 U,J,O	< 0.27 U,J,O	< 0.22 U,J,O	< 0.2 U,J,O	< 0.19 U	< 0.23 U
< 0.19 U,J,O		< 0.27 U	**0.031 J,O**	< 0.22 U	**0.04 J,O**	< 0.19 U	< 0.23 U,J,O
< 0.19 U		< 0.27 U	**0.3**	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.38 U		< 0.52 U	< 0.53 U	< 0.43 U	< 0.4 U	< 0.37 U	< 0.45 U
< 0.19 U		< 0.27 U,J,O	< 0.27 U,J,O	< 0.22 U,J,O	< 0.2 U,J,O	< 0.19 U,J,O	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U,J,O		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U,J,O
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U,J,O
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	
< 0.38 U		< 0.52 U	< 0.53 U	< 0.43 U	< 0.4 U	< 0.37 U,J,O	< 0.45 U
< 0.19 U		< 0.27 U	< 0.27 U	< 0.22 U	< 0.2 U	< 0.19 U	< 0.23 U

< 0.65 U					< 2.6 U	**0.14 J,O**
< 0.65 U,J,O					< 2.6 U	< 0.53 U,J,O
0.32 J,O					< 2.6 U	**0.12 J,O**
< 0.65 U					< 2.6 U	< 0.53 U
< 0.65 U					< 2.6 U	< 0.53 U
< 0.65 U					< 2.6 U	< 0.53 U
3.4 J,O					< 2.6 U,J,O	**2.2**
< 0.65 U					< 2.6 U,J,O	< 0.53 U
< 0.65 U,J,O					**0.41 J,O**	< 0.53 U,J,O
< 0.65 U					< 2.6 U	< 0.53 U
< 0.65 U					< 2.6 U	< 0.53 U
< 0.65 U					< 2.6 U	< 0.53 U
< 0.65 U					< 2.6 U	< 0.53 U
< 0.65 U					< 2.6 U	< 0.53 U
< 0.65 U					< 2.6 U	< 0.53 U
< 1.3 U					< 5 U	< 1 U
< 0.65 U					< 2.6 U,J,O	< 0.53 U
< 0.65 U					< 2.6 U	< 0.53 U,J,O
< 0.65 U,J,O					< 2.6 U	< 0.53 U,J,O
< 0.65 U					< 2.6 U	< 0.53 U
					< 2.6 U	
< 0.65 U					< 2.6 U	< 0.53 U
< 0.65 U					< 2.6 U	< 0.53 U
< 0.65 U					< 2.6 U	< 0.53 U
< 0.65 U					< 2.6 U	< 0.53 U
< 0.65 U					< 2.6 U	< 0.53 U
					< 2.6 U	
< 1.3 U					< 5 U	< 1 U
< 0.65 U					< 2.6 U	< 0.53 U

0.047 J,O	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U,J,O	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U,J,O	< 0.22 U,J,O	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U,J,O	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U,J,O	< 0.22 U,J,O	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U,J,O	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U,J,O	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
2.5	< 3.7 U,J,O	**0.91 J,O**	< 8.3 U,J,O	**0.57**	< 0.22 U	< 0.29 U,J,O	< 0.35 U,J,O	< 0.35 U,J,O
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U,J,O	< 0.35 U
0.12 J,O	< 3.7 U	**0.059 J,O**	< 8.3 U	**0.56 J,O**	< 0.22 U,J,O	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	**0.34**	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U,J,O	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U,J,O	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U,J,O	< 0.35 U
< 0.41 U	< 7.1 U	< 0.56 U	< 16 U	< 0.38 U	< 0.43 U	< 0.57 U	< 0.67 U	< 0.68 U
< 0.21 U	< 3.7 U,J,O	< 0.29 U,J,O	< 8.3 U,J,O	< 0.2 U	< 0.22 U	< 0.29 U,J,O	< 0.35 U,J,O	< 0.35 U,J,O
< 0.21 U,J,O	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U,J,O	< 0.22 U,J,O	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U,J,O	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U,J,O	< 0.22 U,J,O	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
	< 3.7 U	< 0.29 U,J,O	< 8.3 U		< 0.22 U,J,O	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U,J,O	< 0.29 U	< 0.35 U	< 0.35 U
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U
	< 3.7 U	< 0.29 U	< 8.3 U		< 0.22 U,J,O	< 0.29 U	< 0.35 U	< 0.35 U
< 0.41 U	**1.6 J,O**	**0.057 J,O**	< 16 U	< 0.38 U		< 0.57 U,J,O	< 0.67 U,J,O	< 0.68 U,J,O
< 0.21 U	< 3.7 U	< 0.29 U	< 8.3 U	< 0.2 U	< 0.22 U	< 0.29 U	< 0.35 U	< 0.35 U

< 0.31 U	< 0.23 U	**0.077 J,O**	< 3.8 U	**0.5 J,O**	**0.14 J,O**
< 0.31 U	< 0.23 U	< 0.29 U,J,O	< 3.8 U	< 1.5 U,J,O	< 0.61 U,J,O
< 0.31 U	**0.033 J,O**	< 0.29 U,J,O	< 3.8 U	**1.3 J,O**	**0.59 J**
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U,J,O	< 0.23 U,J,O	< 0.29 U	< 3.8 U,J,O	**13 J,O**	**3.1 J,O**
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U,J,O	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U,J,O	< 3.8 U	< 1.5 U,J,O	< 0.61 U,J,O
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.6 U	< 0.45 U	< 0.57 U	< 7.5 U	< 3 U	< 1.2 U
< 0.31 U,J,O	< 0.23 U,J,O	< 0.29 U	< 3.8 U,J,O	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U,J,O	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U,J,O	< 3.8 U	< 1.5 U,J,O	< 0.61 U,J,O
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U		< 3.8 U	< 1.5 U,J,O	< 0.61 U,J,O
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U
< 0.31 U	< 0.23 U		< 3.8 U	< 1.5 U,J,O	< 0.61 U,J,O
< 0.6 U,J,O	< 0.45 U	< 0.57 U	< 7.5 U	**3.3**	**1.3**
< 0.31 U	< 0.23 U	< 0.29 U	< 3.8 U	< 1.5 U	< 0.61 U

Table B4
Sediment Sample Results Summary: VOCs
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

			Subfacility	AIP	AIP	AIP	AIP
			Area	Background (Site)	Background (Site)	Background (Site)	Background (Site)
			Location	DD502	DD503	IS-001	IS-002
			Sample Date	5/20/2009	5/20/2009	1/1/1996	1/1/1996
			Sample ID	R4-C092302-54	R4-C092302-55	IS-001-SE-19960101	IS-002-SE-19960101
			ERM Sample ID	DD502-20090520	DD503-20090520	IS-001-19960101	IS-002-19960101
			Sample Interval	0 - 3	0 - 3	0 - 0	0 - 0
			Sample Type	N	N	N	N
Chemical Name	**CAS No.**	**Units**					
VOCs (ug/L)							
1,1,1-Trichloroethane	71-55-6	mg/kg	< 0.0064 U	< 0.0058 U		
1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	< 0.0064 U	< 0.0058 U		
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	mg/kg	< 0.0064 U,J,O	< 0.0058 U,J,O		
1,1,2-Trichloroethane	79-00-5	mg/kg	< 0.0064 U	< 0.0058 U		
1,1-Dichloroethane	75-34-3	mg/kg	< 0.0064 U	< 0.0058 U		
1,1-Dichloroethene	75-35-4	mg/kg	< 0.0064 U	< 0.0058 U		
1,2,3-Trichlorobenzene	87-61-6	mg/kg	< 0.0064 U	< 0.0058 U		
1,2,4-Trichlorobenzene	120-82-1	mg/kg	< 0.0064 U	< 0.0058 U		
1,2-Dibromo-3-chloropropane	96-12-8	mg/kg	< 0.0064 U	< 0.0058 U		
1,2-Dichlorobenzene	95-50-1	mg/kg	< 0.0064 U	< 0.0058 U		
1,2-Dichloroethane	107-06-2	mg/kg	< 0.0064 U	< 0.0058 U		
1,2-Dichloroethene	540-59-0	mg/kg				
1,2-Dichloropropane	78-87-5	mg/kg	< 0.0064 U	< 0.0058 U		
1,3-Dichlorobenzene	541-73-1	mg/kg	< 0.0064 U	< 0.0058 U		
1,4-Dichlorobenzene	106-46-7	mg/kg	< 0.0064 U	< 0.0058 U		
2-Butanone	78-93-3	mg/kg	< 0.013 U	< 0.012 U		
2-Hexanone	591-78-6	mg/kg	< 0.013 U	< 0.012 U		
4-Methyl-2-pentanone	108-10-1	mg/kg	< 0.013 U	< 0.012 U		
Acetone	67-64-1	mg/kg				
Benzene	71-43-2	mg/kg	< 0.0064 U	< 0.0058 U		
Bromodichloromethane	75-27-4	mg/kg	< 0.0064 U	< 0.0058 U		

AIP Background (Site) IS-003 1/1/1996 IS-003-SE-19960101 IS-003-19960101 0 - 0 N	AIP Background (Site) IS-004 1/1/1996 IS-004 DUP-SE-19960101 IS-004-19960101 0 - 0 FD	AIP Background (Site) IS-004 1/1/1996 IS-004-SE-19960101 IS-004-19960101 0 - 0 N	AIP Background (Site) IS-005 1/1/1996 IS-005-SE-19960101 IS-005-19960101 0 - 0 N	AIP Background (Site) IS-006 1/1/1996 IS-006-SE-19960101 IS-006-19960101 0 - 0 N	AIP MNOP Site DD511 5/15/2009 R4-C092302-66 DD511-20090515 0 - 3 N	AIP MNOP Site DD515 5/14/2009 R4-C092302-74 DD515-20090514 0 - 3 N	AIP MNOP Site DD516 5/14/2009 R4-C092302-75 DD516-20090514 0 - 3 N
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U,J,O	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U,J,O	< 0.0029 U,J,O
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U,J,O	< 0.0029 U,J,O
					< 0.0083 U	< 0.0030 U,J,O	< 0.0029 U,J,O
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U,J,O	< 0.0029 U,J,O
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U,J,O	< 0.0029 U,J,O
					< 0.0083 U	< 0.0030 U,J,O	< 0.0029 U,J,O
					< 0.017 U	**0.0077**	< 0.0058 U
					< 0.017 U	< 0.0059 U	< 0.0058 U
					< 0.017 U	< 0.0059 U	< 0.0058 U
						0.18 J,O	**0.027 J,O**
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U	< 0.0029 U

AIP MNOP Site DD516 5/14/2009 R4-C092302-76 DD516-20090514 0 - 3 FD	AIP MNOP Site DD517 5/14/2009 R4-C092302-77 DD517-20090514 0 - 3 N	AIP MNOP Site ISD-201 1/1/2000 ISD-201-01-20000101-01 ISD-201-20000101 0 - 0 N	AIP MNOP/AWI Boundary DD504 5/20/2009 R4-C092302-56 DD504-20090520 0 - 3 N	AIP MNOP/AWI Boundary DD505 5/19/2009 R4-C092302-57 DD505-20090519 0 - 3 N	AIP South of Site DD506 5/19/2009 R4-C092302-58 DD506-20090519 0 - 3 N	AIP South of Site DD507 5/19/2009 R4-C092302-59 DD507-20090519 0 - 3 N	AIP South of Site DD512 5/15/2009 R4-C092302-67 DD512-20090515 0 - 3 N
< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U		< 0.0082 U,J,O	< 0.0084 U,J,O	< 0.0066 U,J,O	< 0.0060 U,J,O	< 0.0082 U,J,O
< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U,J,O	< 0.0034 U,J,O		< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U,J,O	< 0.0034 U,J,O		< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U		< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U,J,O	< 0.0034 U,J,O		< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
		< 0.002 U					
< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U,J,O	< 0.0034 U,J,O		< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U,J,O	< 0.0034 U,J,O		< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0070 U	< 0.0068 U	< 0.005 U	< 0.016 U	< 0.017 U	< 0.013 U	< 0.012 U	< 0.016 U
< 0.0070 U	< 0.0068 U	< 0.005 U	< 0.016 U	< 0.017 U	< 0.013 U	< 0.012 U	< 0.016 U
< 0.0070 U	< 0.0068 U	< 0.005 U	< 0.016 U	< 0.017 U	< 0.013 U	< 0.012 U	< 0.016 U
0.043 J,O	< 0.0068 U	**0.0058 J**	**0.026 J,O**				
< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U,J,O
< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U

AIP South of Site DD518 5/14/2009 R4-C092302-78 DD518-20090514 0 - 3 N	AIP South of Site DD519 5/14/2009 R4-C092302-79 DD519-20090514 0 - 3 N	AIP South of Site ISD-202 1/1/2000 ISD-202-01-20000101-01 ISD-202-20000101 0 - 0 N	AIP South of Site ISD-202 1/1/2000 ISD-202-01A-20000101-01 ISD-202-20000101 0 - 0 FD	AIP South of Site ISD-203 1/1/2000 ISD-203-01-20000101-01 ISD-203-20000101 0 - 0 N	AIP South of Site ISD-204 1/1/2000 ISD-204-01-20000101-01 ISD-204-20000101 0 - 0 N	AWI AWI DD501 5/19/2009 R4-C092302-53 DD501-20090519 0 - 3 N
< 0.0039 U,J,O	< 0.02 U	< 0.0013 U	< 0.0013 U	< 0.0014 U	< 0.0014 U	< 0.0081 U
< 0.0039 U,J,O	< 0.02 U	< 0.0013 U	< 0.0013 U	< 0.0014 U	< 0.0014 U	< 0.0081 U
< 0.0039 U,J,O	< 0.02 U					< 0.0081 U,J,O
< 0.0039 U,J,O	< 0.02 U	< 0.0013 U	< 0.0013 U	< 0.0014 U	< 0.0014 U	< 0.0081 U
< 0.0039 U	< 0.02 U	< 0.0013 U	< 0.0013 U	< 0.0014 U	< 0.0014 U	< 0.0081 U
< 0.0039 U	< 0.02 U	< 0.0013 U	< 0.0013 U	< 0.0014 U	< 0.0014 U	< 0.0081 U
< 0.0039 U,J,O	< 0.02 U,J,O					< 0.0081 U
< 0.0039 U,J,O	< 0.02 U,J,O					< 0.0081 U
< 0.0039 U,J,O	< 0.02 U					< 0.0081 U
< 0.0039 U,J,O	< 0.02 U,J,O					< 0.0081 U
< 0.0039 U,J,O	< 0.02 U	< 0.0013 U	< 0.0013 U	< 0.0014 U	< 0.0014 U	< 0.0081 U
		< 0.0026 U	< 0.0026 U	< 0.0028 U	< 0.0028 U	
< 0.0039 U,J,O	< 0.02 U	< 0.0013 U	< 0.0013 U	< 0.0014 U	< 0.0014 U	< 0.0081 U
< 0.0039 U,J,O	< 0.02 U,J,O					< 0.0081 U
< 0.0039 U,J,O	< 0.02 U,J,O					< 0.0081 U
0.024 J,O	**0.046**	< 0.0066 U	**0.0059 J**	< 0.0069 U	< 0.007 U	< 0.016 U
	< 0.039 U	< 0.0066 U	< 0.0065 U	< 0.0069 U	< 0.007 U	< 0.016 U
	< 0.039 U	< 0.0066 U	< 0.0065 U	< 0.0069 U	**0.0064 J**	< 0.016 U
0.25 J,O	**0.18**	**0.0258 J**	**0.0558 J**	**0.0351 J**	**0.0337 J**	
< 0.0039 U,J,O	< 0.02 U	< 0.0013 U	< 0.0013 U	< 0.0014 U	< 0.0014 U	< 0.0081 U
< 0.0039 U,J,O	< 0.02 U	< 0.0013 U	< 0.0013 U	< 0.0014 U	< 0.0014 U	< 0.0081 U

LANDFILL OU2 LANDFILL OU2 DD508 5/18/2009 R4-C092302-61 DD508-20090518 0 - 3 N	LANDFILL OU2 LANDFILL OU2 DD509 5/18/2009 R4-C092302-64 DD509-20090518 0 - 3 N	LANDFILL OU2 LANDFILL OU2 DD510 5/15/2009 R4-C092302-65 DD510-20090515 0 - 3 N	LANDFILL OU2 LANDFILL OU2 DD513 5/13/2009 R4-C092302-68 DD513-20090513 0 - 3 N	LANDFILL OU2 LANDFILL OU2 DD514 5/15/2009 R4-C092302-71 DD514-20090515 0 - 3 N	RC Background (RC) RC400 5/18/2009 R4-C092303-07 RC400-20090518 0 - 3 N	RC Background (RC) RC401 5/18/2009 R4-C092303-10 RC401-20090518 0 - 3 N	RC Background (RC) RC402 5/15/2009 R4-C092303-13 RC402-20090515 0 - 3 N	RC Background (RC) RC403 5/15/2009 R4-C092303-16 RC403-20090515 0 - 3 N
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U,J,O	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U,J,O	< 0.013 U	< 0.031 U,J,O	< 0.0045 U,J,O	< 0.0046 U	< 0.011 U,J,O	< 0.014 U,J,O
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U,J,O	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U,J,O	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U,J,O	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U,J,O	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U,J,O	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U,J,O	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U,J,O	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U,J,O	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U,J,O	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U,J,O	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U,J,O	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U,J,O	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.017 U	< 0.0060 U	< 0.031 U	< 0.025 U	< 0.062 U	< 0.0090 U	< 0.0093 U	< 0.023 U	< 0.027 U
< 0.017 U	< 0.0060 U	< 0.031 U	< 0.025 U	< 0.062 U	< 0.0090 U	< 0.0093 U	< 0.023 U	< 0.027 U
< 0.017 U	< 0.0060 U	< 0.031 U	< 0.025 U	< 0.062 U	< 0.0090 U	< 0.0093 U	< 0.023 U	< 0.027 U
< 0.017 U,J,O	< 0.0060 U,J,O		< 0.025 U		< 0.0090 U,J,O	< 0.0093 U,J,O		
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U,J,O	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U

RC Background (RC) RC403 5/15/2009 R4-C092303-17 RC403-20090515 0 - 3 FD	RC Rocky Creek RC404 5/15/2009 R4-C092303-22 RC404-20090515 0 - 3 N	RC Rocky Creek RC405 5/15/2009 R4-C092303-25 RC405-20090515 0 - 3 N	RC Rocky Creek RC406 5/18/2009 R4-C092303-28 RC406-20090518 0 - 3 N	RC Rocky Creek RC407 5/19/2009 R4-C092303-31 RC407-20090519 0 - 3 N	RC Rocky Creek RC408 5/12/2009 R4-C092303-34 RC408-20090512 0 - 3 N	RC Rocky Creek RC409 5/12/2009 R4-C092303-37 RC409-20090512 0 - 3 N
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U,J,O	< 0.012 U,J,O	< 0.0077 U,J,O	< 0.0091 U	< 0.012 U,J,O	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U,J,O	< 0.012 U	< 0.0092 U,J,O	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U,J,O	< 0.012 U	< 0.0092 U,J,O	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U,J,O	< 0.012 U	< 0.0092 U,J,O	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U,J,O	< 0.012 U	< 0.0092 U,J,O	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U,J,O	< 0.012 U	< 0.0092 U,J,O	< 0.0079 U
< 0.031 U	< 0.024 U	< 0.015 U	< 0.018 U	< 0.024 U	< 0.018 U	< 0.016 U
< 0.031 U	< 0.024 U	< 0.015 U	< 0.018 U	< 0.024 U	< 0.018 U	< 0.016 U
< 0.031 U	< 0.024 U	< 0.015 U	< 0.018 U	< 0.024 U	< 0.018 U	< 0.016 U
			< 0.018 U,J,O		< 0.018 U,J,O	< 0.016 U,J,O
< 0.015 U,J,O	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U

Bromoform	75-25-2	mg/kg	< 0.0064 U	< 0.0058 U		
Carbon disulfide	75-15-0	mg/kg	< 0.0064 U	< 0.0058 U		
Carbon tetrachloride	56-23-5	mg/kg	< 0.0064 U	< 0.0058 U		
Chlorobenzene	108-90-7	mg/kg	< 0.0064 U	< 0.0058 U		
Chlorobromomethane	74-97-5	mg/kg	< 0.0064 U	< 0.0058 U		
Chloroethane	75-00-3	mg/kg	< 0.0064 U	< 0.0058 U		
Chloroform	67-66-3	mg/kg	< 0.0064 U	< 0.0058 U		
cis-1,2-Dichloroethene	156-59-2	mg/kg	< 0.0064 U	< 0.0058 U		
cis-1,3-Dichloropropene	10061-01-5	mg/kg	< 0.0064 U	< 0.0058 U		
Cyclohexane	110-82-7	mg/kg	< 0.0064 U	< 0.0058 U		
Dibromochloromethane	124-48-1	mg/kg	< 0.0064 U	< 0.0058 U		
Dichlorodifluoromethane (Freon 12)	75-71-8	mg/kg	< 0.0064 U,J,O	< 0.0058 U,J,O		
Ethylbenzene	100-41-4	mg/kg	< 0.0064 U	< 0.0058 U		
Ethylene dibromide	106-93-4	mg/kg	< 0.0064 U	< 0.0058 U		
Isopropylbenzene (Cumene)	98-82-8	mg/kg	< 0.0064 U	< 0.0058 U		
m,p-Xylenes	179601-23-1	mg/kg	< 0.0064 U	< 0.0058 U		
Methyl acetate	79-20-9	mg/kg	**0.0068**	**0.0021 J,O**		
Methyl bromide	74-83-9	mg/kg	< 0.0064 U,J,O	< 0.0058 U,J,O		
Methyl chloride	74-87-3	mg/kg	< 0.0064 U	< 0.0058 U		
Methyl tert-butyl ether	1634-04-4	mg/kg	< 0.0064 U	< 0.0058 U		
Methylcyclohexane	108-87-2	mg/kg	< 0.0064 U	< 0.0058 U		
Methylene chloride	75-09-2	mg/kg	< 0.0064 U,J,O	< 0.0058 U,J,O	< 0.0012	< 0.00081
o-Xylene	95-47-6	mg/kg	< 0.0064 U	< 0.0058 U		
Styrene	100-42-5	mg/kg	< 0.0064 U	< 0.0058 U		
Tetrachloroethene	127-18-4	mg/kg	< 0.0064 U	< 0.0058 U		
Toluene	108-88-3	mg/kg	< 0.0064 U	< 0.0058 U	< 0.0013	< 0.00091
trans-1,2-Dichloroethene	156-60-5	mg/kg	< 0.0064 U	< 0.0058 U		
trans-1,3-Dichloropropene	10061-02-6	mg/kg	< 0.0064 U	< 0.0058 U		
Trichloroethene	79-01-6	mg/kg	< 0.0064 U	< 0.0058 U,J,O	< 0.00066	< 0.00045
Trichlorofluoromethane (Freon 11)	75-69-4	mg/kg	< 0.0064 U	< 0.0058 U		
Vinyl chloride	75-01-4	mg/kg	< 0.0064 U	< 0.0058 U		

NOTES:

U = analyte not detected above the reference reporting limit

J = estimated concentration

O = qualifier indicating the reported value is estimated due to the presence of interference or quality exception.

					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U,J,O	< 0.0029 U,J,O
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U,J,O	< 0.0029 U,J,O
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U,J,O	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U,J,O	< 0.0029 U,J,O
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U,J,O	< 0.0029 U,J,O
					< 0.0083 U	< 0.0030 U,J,O	< 0.0029 U,J,O
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U	< 0.0029 U
0.0046 J	< 0.00094	< 0.001	< 0.001	< 0.00094	< 0.0083 U,J,O	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U,J,O	< 0.0029 U,J,O
					< 0.0083 U	< 0.0030 U,J,O	< 0.0029 U,J,O
					< 0.0083 U	**0.00039 J,O**	< 0.0029 U,J,O
< 0.0011	**0.0068 J**	**0.0036 J**	**0.0031 J**	**0.065**	< 0.0083 U	< 0.0030 U,J,O	< 0.0029 U,J,O
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U,J,O	< 0.0029 U,J,O
0.005 J	< 0.00053	< 0.00058	< 0.00056	< 0.00053	< 0.0083 U	< 0.0030 U,J,O	< 0.0029 U,J,O
					< 0.0083 U	< 0.0030 U	< 0.0029 U
					< 0.0083 U	< 0.0030 U	< 0.0029 U

< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U	< 0.005 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U,J,O	< 0.0034 U,J,O	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U		< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U		< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U		< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U		< 0.0082 U,J,O	< 0.0084 U,J,O	< 0.0066 U,J,O	< 0.0060 U,J,O	< 0.0082 U,J,O
< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U		< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U		< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U		< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U		**0.0033 J,O**	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U,J,O	< 0.0084 U,J,O	< 0.0066 U,J,O	< 0.0060 U,J,O	< 0.0082 U
< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U		< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U		< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U	< 0.005 U	< 0.0082 U,J,O	< 0.0084 U,J,O	< 0.0066 U,J,O	< 0.0060 U,J,O	< 0.0082 U,J,O
< 0.0035 U	< 0.0034 U		< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
0.00057 J,O	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U		< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U		< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U
< 0.0035 U	< 0.0034 U	< 0.001 U	< 0.0082 U	< 0.0084 U	< 0.0066 U	< 0.0060 U	< 0.0082 U

< 0.0039 U	< 0.02 U	< 0.0013 U	< 0.0013 U	< 0.0014 U	< 0.0014 U	< 0.0081 U
< 0.0039 U	< 0.02 U	< 0.0066 U	< 0.0065 U	< 0.0069 U	< 0.007 U	< 0.0081 U
< 0.0039 U,J,O	< 0.02 U	< 0.0013 U	< 0.0013 U	< 0.0014 U	< 0.0014 U	< 0.0081 U
< 0.0039 U,J,O	< 0.02 U,J,O	< 0.0013 U	< 0.0013 U	< 0.0014 U	< 0.0014 U	< 0.0081 U
< 0.0039 U	< 0.02 U					< 0.0081 U
< 0.0039 U	< 0.02 U	< 0.0013 U	< 0.0013 U	< 0.0014 U	< 0.0014 U	< 0.0081 U
< 0.0039 U	< 0.02 U	< 0.0013 U	< 0.0013 U	< 0.0014 U	< 0.0014 U	< 0.0081 U
< 0.0039 U	< 0.02 U					< 0.0081 U
< 0.0039 U,J,O	< 0.02 U	< 0.0013 U	< 0.0013 U	< 0.0014 U	< 0.0014 U	< 0.0081 U
< 0.0039 U,J,O	< 0.02 U					< 0.0081 U
< 0.0039 U	< 0.02 U	< 0.0013 U	< 0.0013 U	< 0.0014 U	< 0.0014 U	< 0.0081 U
< 0.0039 U	< 0.02 U					< 0.0081 U,J,O
< 0.0039 U,J,O	< 0.02 U	< 0.0013 U	< 0.0013 U	< 0.0014 U	< 0.0014 U	< 0.0081 U
< 0.0039 U,J,O	< 0.02 U					< 0.0081 U
< 0.0039 U,J,O	< 0.02 U					< 0.0081 U
< 0.0039 U,J,O	< 0.02 U					< 0.0081 U
0.0059 J,O	< 0.02 U					< 0.0081 U
< 0.0039 U	< 0.02 U	< 0.0013 UJ	< 0.0013 U	< 0.0014 UJ	< 0.0014 UJ	< 0.0081 U,J,O
< 0.0039 U	< 0.02 U	< 0.0013 U	< 0.0013 U	< 0.0014 U	< 0.0014 U	< 0.0081 U
< 0.0039 U,J,O	< 0.02 U					< 0.0081 U
< 0.0039 U,J,O	**0.0036 J,O**					< 0.0081 U
< 0.0039 U,J,O	< 0.02 U	< 0.0066 U	< 0.0065 U	< 0.0069 U	< 0.007 U	< 0.0081 U,J,O
< 0.0039 U,J,O	< 0.02 U					< 0.0081 U
< 0.0039 U,J,O	< 0.02 U	< 0.0013 U	< 0.0013 U	< 0.0014 U	< 0.0014 U	< 0.0081 U
< 0.0039 U,J,O	**0.0051 J,O**	< 0.0013 U	< 0.0013 U	< 0.0014 U	< 0.0014 U	< 0.0081 U
< 0.0039 U,J,O	< 0.02 U	**0.0007 J**	**0.00093 J**	**0.0005 J**	**0.0007 J**	< 0.0081 U
< 0.0039 U	< 0.02 U					< 0.0081 U
< 0.0039 U,J,O	< 0.02 U	< 0.0013 U	< 0.0013 U	< 0.0014 U		< 0.0081 U
< 0.0039 U,J,O	< 0.02 U	< 0.0013 U	< 0.0013 U	< 0.0014 U	< 0.0014 U	< 0.0081 U
< 0.0039 U,J,O	< 0.02 U					< 0.0081 U
< 0.0039 U	< 0.02 U	< 0.0013 U	< 0.0013 U	< 0.0014 U	< 0.0014 U	< 0.0081 U

< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U,J,O	< 0.031 U	< 0.0045 U,J,O	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U,J,O	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U,J,O	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U,J,O	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U,J,O	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U,J,O	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U,J,O	< 0.013 U,J,O	< 0.031 U,J,O	< 0.0045 U	**0.0016 J,O**	< 0.011 U,J,O	< 0.014 U,J,O
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U,J,O	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U,J,O	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U,J,O	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U,J,O	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U,J,O	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U,J,O	< 0.013 U,J,O	< 0.031 U,J,O	< 0.0045 U,J,O	< 0.0046 U	< 0.011 U,J,O	< 0.014 U,J,O
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U,J,O	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U	< 0.031 U	< 0.0045 U,J,O	**0.0012 J,O**	< 0.011 U	< 0.014 U
< 0.0085 U	< 0.0030 U	< 0.016 U	< 0.013 U,J,O	< 0.031 U	< 0.0045 U	< 0.0046 U	< 0.011 U,J,O	< 0.014 U

< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U,J,O	< 0.012 U	< 0.0092 U,J,O	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U,J,O	< 0.012 U,J,O	< 0.0077 U,J,O	< 0.0091 U	< 0.012 U,J,O	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U,J,O	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U,J,O	< 0.0079 U,J,O
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U,J,O	< 0.012 U,J,O	< 0.0077 U,J,O	< 0.0091 U	< 0.012 U,J,O	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U,J,O	< 0.0079 U,J,O
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U
< 0.015 U	< 0.012 U	< 0.0077 U	< 0.0091 U	< 0.012 U	< 0.0092 U	< 0.0079 U

APPENDIX C COMPREHENSIVE ANALYTICAL DATA: SURFACE WATER

(electronic only)

The Excel files are also attached to this PDF. Click on the paperclip if they do not show to the left.

Table C1
Surface Water Sample Results Summary: Inorganics and PCBs
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

			Subfacility	AIP	AIP	AIP	AIP
			Area	Background (Site)	Background (Site)	Background (Site)	Background (Site)
			Location	IS-004	IS-004	IS-005	IS-006
			Sample Date	1/1/1996	1/1/1996	1/1/1996	1/1/1996
			Sample ID	IS-004 DUP-WS-19960101	IS-004-WS-19960101	IS-005-WS-19960101	IS-006-WS-19960101
			ERM Sample ID	IS-004-19960101	IS-004-19960101	IS-005-19960101	IS-006-19960101
			Sample Interval	-	-	-	-
			Sample Type	FD	N	N	N
Chemical Name	**CAS No.**	**Units**					
Inorganics (mg/L)							
Aluminum	7429-90-5	mg/L					
Antimony	7440-36-0	mg/L					
Arsenic	7440-38-2	mg/L					
Barium	7440-39-3	mg/L					
Beryllium	7440-41-7	mg/L					
Cadmium	7440-43-9	mg/L					
Calcium	7440-70-2	mg/L					
Chromium	7440-47-3	mg/L					
Cobalt	7440-48-4	mg/L					
Copper	7440-50-8	mg/L	**0.0155**	**0.015**	**0.0111**	**0.0142**	
Cyanide CN-	57-12-5	mg/L					
Iron	7439-89-6	mg/L					
Lead	7439-92-1	mg/L	**0.0031**	< 0.00089	< 0.00089	< 0.00089	
Magnesium	7439-95-4	mg/L					
Manganese	7439-96-5	mg/L					
Mercury	7439-97-6	mg/L	**0.0002 J**	< 0.00005	< 0.00005	< 0.00005	
Nickel	7440-02-0	mg/L					
Potassium	7440-09-7	mg/L					
Selenium	7782-49-2	mg/L	< 0.00074	**0.0023 J**	< 0.00074	< 0.00074	
Silver	7440-22-4	mg/L					
Sodium	7440-23-5	mg/L					

AIP South of Site DD507 5/19/2009 R4-C092302-60 DD507-20090519 - N	AIP South of Site ISW-202 1/1/2000 ISW-202-01-20000101-01 ISW-202-20000101 - N	AIP South of Site ISW-202 1/1/2000 ISW-202-01A-20000101-01 ISW-202-20000101 - N	AIP South of Site ISW-202 1/1/2000 ISW-202-01AF-20000101-01 ISW-202-20000101 - N	AIP South of Site ISW-202 1/1/2000 ISW-202-01F-20000101-01 ISW-202-20000101 - N	AIP South of Site ISW-203 1/1/2000 ISW-203-01-20000101-01 ISW-203-20000101 - N
0.058 J,O					
< 0.06 U	< 0.002 U	< 0.002 U			< 0.002 U
< 0.01 U	< 0.0021 U	< 0.0021 U			< 0.0021 U
0.034 J,O					
< 0.0050 U	< 0.00017 U	< 0.00017 U			< 0.00017 U
< 0.0050 U,J,O	< 0.00023 U	< 0.00023 U			< 0.00023 U
120					
< 0.01 U	< 0.0010 UJ	< 0.00086 UJ			< 0.0021 UJ
< 0.05 U,J,O					
< 0.025 U	< 0.001 U	< 0.001 U			< 0.001 U
< 0.01 U					
0.14					
< 0.01 U	< 0.0011 U	< 0.0011 U			< 0.0011 U
4 J,O					
0.022					
< 0.00020 U	< 0.000043 U	< 0.000043 U			< 0.000043 U
0.0018 J,O	**0.0032 J**	**0.0012 J**			< 0.0011 U
2.4 J,O					
< 0.035 U	< 0.0021 U	< 0.0021 U			< 0.0021 U
< 0.01 U	< 0.0011 U	< 0.0013 UJ			< 0.0020 UJ
29					

AIP South of Site ISW-203 1/1/2000 ISW-203-01F-20000101-01 ISW-203-20000101 - N	AWI AWI AWI200 5/14/2009 R4-C092302-19 AWI200-20090514 - N	LANDFILL OU2 LANDFILL OU2 DD508 5/18/2009 R4-C092302-62 DD508-20090518 - N	LANDFILL OU2 LANDFILL OU2 DD508 5/18/2009 R4-C092302-63 DD508-20090518 - N	LANDFILL OU2 LANDFILL OU2 DD513 5/13/2009 R4-C092302-69 DD513-20090513 - N	LANDFILL OU2 LANDFILL OU2 DD513 5/13/2009 R4-C092302-70 DD513-20090513 - N	LANDFILL OU2 LANDFILL OU2 DD514 5/15/2009 R4-C092302-72 DD514-20090515 - N	LANDFILL OU2 LANDFILL OU2 DD514 5/15/2009 R4-C092302-73 DD514-20090515 - N	RC Background (RC) RC400 5/18/2009 R4-C092303-08 RC400-20090518 - N
		0.084 J,O	< 0.2 U	< 0.2 U	< 0.2 U	**0.79**	< 0.2 U	**0.75**
		< 0.06 U	< 0.06 U	< 0.06 U	< 0.06 U	< 0.06 U	< 0.06 U	< 0.06 U
		0.0044 J,O	< 0.01 U	**0.0028 J,O**	**0.0026 J,O**	**0.0023 J,O**	< 0.01 U	< 0.01 U
		0.1 J,O	**0.086 J,O**	**0.037 J,O**	**0.041 J,O**	**0.058 J,O**	**0.038 J,O**	**0.056 J,O**
		< 0.0050 U	< 0.0050 U,J,O	< 0.0050 U	< 0.0050 U,J,O	< 0.0050 U	< 0.0050 U	< 0.0050 U
		< 0.0050 U,J,O	< 0.0050 U,J,O	< 0.0050 U,J,O	< 0.0050 U,J,O	< 0.0050 U,J,O	< 0.0050 U,J,O	< 0.0050 U
		89	**91**	**130**	**120**	**66**	**60**	**3.9 J,O**
		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
		< 0.05 U,J,O	< 0.05 U,J,O	< 0.05 U,J,O	< 0.05 U,J,O	< 0.05 U,J,O	< 0.05 U,J,O	< 0.05 U,J,O
		0.0026 J,O	**0.0026 J,O**	< 0.025 U	**0.0013 J,O**	**0.0026 J,O**	**0.0014 J,O**	**0.0013 J,O**
		< 0.01 U		< 0.01 U,J,O		< 0.01 U,J,O		< 0.01 U
		3.4	**0.22**	**0.12**	< 0.1 U,J,O	**3.2**	**0.43**	**2.5**
		0.0019 J,O	< 0.01 U	< 0.01 U	< 0.01 U	**0.0062 J,O**	< 0.01 U	< 0.01 U
		3.5 J,O	**3.6 J,O**	**4.2 J,O**	**4.2 J,O**	**2.9 J,O**	**2.7 J,O**	**1.5 J,O**
		0.44	**0.44**	**0.018**	**0.016**	**0.26**	**0.14**	**0.38**
		< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U,J,O	< 0.00020 U	< 0.00020 U
		0.0029 J,O	**0.0022 J,O**	**0.0027 J,O**	**0.0021 J,O**	**0.0024 J,O**	**0.0013 J,O**	< 0.04 U
		3.1 J,O	**3.2 J,O**	**2.2 J,O**	**2.3 J,O**	**2.3 J,O**	**2.2 J,O**	**2.4 J,O**
		< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
		< 0.01 U	**0.0028 J,O**	**0.0029 J,O**	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
		22	**21**	**27**	**28**	**18**	**18**	**2.8 J,O**

RC Background (RC) RC400 5/18/2009 R4-C092303-09 RC400-20090518 - N	RC Background (RC) RC401 5/18/2009 R4-C092303-11 RC401-20090518 - N	RC Background (RC) RC401 5/18/2009 R4-C092303-12 RC401-20090518 - N	RC Background (RC) RC402 5/15/2009 R4-C092303-14 RC402-20090515 - N	RC Background (RC) RC402 5/15/2009 R4-C092303-15 RC402-20090515 - N	RC Background (RC) RC403 5/15/2009 R4-C092303-18 RC403-20090515 - N	RC Background (RC) RC403 5/15/2009 R4-C092303-20 RC403-20090515 - N	RC Background (RC) RC403 5/15/2009 R4-C092303-21 RC403-20090515 - FD	RC Background (RC) RC403 5/15/2009 R4-C092303-19 RC403-20090515 - FD
< 0.2 U,J,O	**0.42**	< 0.2 U,J,O	**0.56**	< 0.2 U,J,O	**0.66**	< 0.2 U,J,O	< 0.2 U,J,O	**0.39**
< 0.06 U	< 0.06 U	< 0.06 U	< 0.06 U	< 0.06 U	< 0.06 U	< 0.06 U	< 0.06 U	< 0.06 U
< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
0.049 J,O	**0.049 J,O**	**0.042 J,O**	**0.054 J,O**	**0.045 J,O**	**0.056 J,O**	**0.038 J,O**	**0.036 J,O**	**0.048 J,O**
< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U
< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U
4 J,O	**6.5**	**6.6**	**5 J,O**	**5.5**	**5**	**4.7 J,O**	**4.8 J,O**	**4.8 J,O**
< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
< 0.05 U,J,O	< 0.05 U,J,O	< 0.05 U,J,O	< 0.05 U,J,O	< 0.05 U	< 0.05 U,J,O	< 0.05 U	< 0.05 U	< 0.05 U,J,O
0.0010 J,O	< 0.025 U	**0.0013 J,O**	< 0.025 U	**0.0017 J,O**	**0.0011 J,O**	< 0.025 U	**0.0014 J,O**	**0.0010 J,O**
	< 0.01 U		< 0.01 U,J,O		< 0.01 U,J,O			< 0.01 U,J,O
1	**3.2**	**1.4**	**2.3**	**0.94**	**2.5**	**0.95**	**0.9**	**1.8**
< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
1.5 J,O	**1.8 J,O**	**1.9 J,O**	**1.8 J,O**	**1.7 J,O**	**1.8 J,O**	**1.7 J,O**	**1.7 J,O**	**1.7 J,O**
0.3	**0.36**	**0.25**	**0.56**	**0.11**	**0.62**	**0.11**	**0.05**	**0.42**
< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U
< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U
2.5 J,O	**2 J,O**	**2.2 J,O**	**2.4 J,O**	**2.5 J,O**	**2.4 J,O**	**2.4 J,O**	**2.4 J,O**	**2.4 J,O**
< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
3 J,O	**3.8 J,O**	**3.8 J,O**	**3.2 J,O**	**3.5 J,O**	**3.3 J,O**	**3.2 J,O**	**3.5 J,O**	**3.2 J,O**

RC Rocky Creek RC404 5/15/2009 R4-C092303-23 RC404-20090515 - N	RC Rocky Creek RC404 5/15/2009 R4-C092303-24 RC404-20090515 - N	RC Rocky Creek RC405 5/15/2009 R4-C092303-26 RC405-20090515 - N	RC Rocky Creek RC405 5/15/2009 R4-C092303-27 RC405-20090515 - N	RC Rocky Creek RC406 5/18/2009 R4-C092303-29 RC406-20090518 - N	RC Rocky Creek RC406 5/18/2009 R4-C092303-30 RC406-20090518 - N	RC Rocky Creek RC407 5/19/2009 R4-C092303-32 RC407-20090519 - N	RC Rocky Creek RC407 5/19/2009 R4-C092303-33 RC407-20090519 - N	RC Rocky Creek RC408 5/12/2009 R4-C092303-35 RC408-20090512 - N
0.46	< 0.2 U,J,O	**0.4**	< 0.2 U,J,O	**0.75**	< 0.2 U,J,O	**0.22**	< 0.2 U,J,O	**0.38**
< 0.06 U	< 0.06 U	< 0.06 U	< 0.06 U	< 0.06 U	< 0.06 U	< 0.06 U	< 0.06 U	< 0.06 U
< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
0.052 J,O	**0.042 J,O**	**0.055 J,O**	**0.041 J,O**	**0.051 J,O**	**0.043 J,O**	**0.05 J,O**	**0.042 J,O**	**0.048 J,O**
< 0.0050 U	< 0.0050 U,J,O	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U
< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U,J,O
5.2	**5.1**	**5.6**	**5.4**	**5.6**	**5.3**	**6.1**	**6**	**7.6**
< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
< 0.05 U,J,O	< 0.05 U	< 0.05 U,J,O	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U,J,O	< 0.05 U,J,O	< 0.05 U,J,O
0.00091 J,O	**0.0014 J,O**	< 0.025 U	**0.0012 J,O**	**0.0013 J,O**	**0.00098 J,O**	< 0.025 U	**0.00093 J,O**	< 0.025 U
< 0.01 U,J,O		< 0.01 U,J,O		< 0.01 U		< 0.01 U		< 0.01 U,J,O
2.2	**1.1**	**2.2**	**1.1**	**3**	**0.81**	**2.9**	**0.93**	**2.1**
< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	**0.0021 J,O**	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
1.8 J,O	**1.8 J,O**	**2 J,O**	**1.9 J,O**	**1.7 J,O**	**1.6 J,O**	**1.8 J,O**	**1.7 J,O**	**1.9 J,O**
0.56	**0.2**	**0.71**	**0.24**	**0.32**	**0.23**	**0.39**	**0.29**	**0.49**
< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U
< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U
2.4 J,O	**2.5 J,O**	**2.4 J,O**	**2.4 J,O**	**2.3 J,O**	**2.2 J,O**	**2.1 J,O**	**2.1 J,O**	**2.3 J,O**
< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
3.3 J,O	**3.3 J,O**	**3.4 J,O**	**3.4 J,O**	**3.2 J,O**	**3.2 J,O**	**3.5 J,O**	**3.5 J,O**	**3.7 J,O**

RC Rocky Creek RC408 5/12/2009 R4-C092303-36 RC408-20090512 - N	RC Rocky Creek RC409 5/12/2009 R4-C092303-38 RC409-20090512 - N	RC Rocky Creek RC409 5/12/2009 R4-C092303-39 RC409-20090512 - N
< 0.2 U,J,O	**0.41**	< 0.2 U,J,O
< 0.06 U	< 0.06 U	< 0.06 U
< 0.01 U	< 0.01 U	< 0.01 U
0.046 J,O	**0.054 J,O**	**0.05 J,O**
< 0.0050 U	< 0.0050 U	< 0.0050 U
< 0.0050 U	< 0.0050 U	< 0.0050 U
7.1	**8.2**	**8.1**
< 0.01 U	< 0.01 U	< 0.01 U
< 0.05 U	< 0.05 U,J,O	< 0.05 U
0.0010 J,O	< 0.025 U	**0.0019 J,O**
	< 0.01 U,J,O	
1	**2.5**	**1.1**
< 0.01 U	< 0.01 U	< 0.01 U
1.8 J,O	**2 J,O**	**2 J,O**
0.41	**0.63**	**0.52**
< 0.00020 U	< 0.00020 U	< 0.00020 U
< 0.04 U	< 0.04 U	< 0.04 U
2.4 J,O	**2.2 J,O**	**2.4 J,O**
< 0.035 U	< 0.035 U	< 0.035 U
< 0.01 U	< 0.01 U	< 0.01 U
3.8 J,O	**3.8 J,O**	**3.9 J,O**

Thallium	7440-28-0	mg/L				
Vanadium	7440-62-2	mg/L				
Zinc	7440-66-6	mg/L	**0.178**	**0.184**	**0.167**	**0.215**
PCBs (ug/L)						
Aroclor 1016	12674-11-2	ug/L				
Aroclor 1221	11104-28-2	ug/L				
Aroclor 1232	11141-16-5	ug/L				
Aroclor 1242	53469-21-9	ug/L				
Aroclor 1248	12672-29-6	ug/L				
Aroclor 1254	11097-69-1	ug/L				
Aroclor 1260	11096-82-5	ug/L				
Aroclor 1262	37324-23-5	ug/L				
Aroclor 1268	11100-14-4	ug/L				
Pesticides (ug/L)						
4,4'-DDD	72-54-8	ug/L				
4,4'-DDE	72-55-9	ug/L				
4,4'-DDT	50-29-3	ug/L				
Aldrin	309-00-2	ug/L				
alpha-BHC/HCH	319-84-6	ug/L				
alpha-Chlordane	5103-71-9	ug/L				
beta-BHC/HCH	319-85-7	ug/L				
Chlorinated camphene/ Toxaphene	8001-35-2	ug/L				
cis-Heptachlor epoxide	1024-57-3	ug/L				
delta-BHC/HCH	319-86-8	ug/L				
Dieldrin	60-57-1	ug/L				
Endosulfan I (Alpha)	959-98-8	ug/L				
Endosulfan II (Beta)	33213-65-9	ug/L				
Endosulfan sulfate	1031-07-8	ug/L				
Endrin	72-20-8	ug/L				
Endrin aldehyde	7421-93-4	ug/L				
Endrin ketone	53494-70-5	ug/L				
gamma-BHC/HCH (Lindane)	58-89-9	ug/L				
gamma-Chlordane	5566-34-7	ug/L				
Heptachlor	76-44-8	ug/L				
Methoxychlor	72-43-5	ug/L				

< 0.025 U	< 0.0036 U	< 0.0036 U			< 0.0036 U
0.012 J,O					
< 0.06 U,J,O	**0.0286 =**	**0.0282 =**			**0.0346**
< 1.0 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
< 1.0 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
< 1.0 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
< 1.0 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
< 1.0 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
< 1.0 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
< 1.0 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
< 1.0 U					
< 1.0 U					
< 0.10 U					
< 0.10 U					
< 0.10 U					
< 0.050 U					
< 0.050 U					
< 0.050 U					
< 0.050 U					
< 5.0 U					
< 0.050 U					
< 0.050 U					
< 0.10 U					
< 0.050 U					
< 0.10 U					
< 0.10 U					
< 0.10 U					
< 0.10 U					
< 0.10 U					
< 0.050 U					
< 0.050 U					
< 0.050 U					
< 0.50 U					

		< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U
		0.0034 J,O	< 0.05 U,J,O	**0.013 J,O**	< 0.05 U,J,O	**0.0068 J,O**	< 0.05 U,J,O	**0.0033 J,O**
		0.12	**0.098**	< 0.06 U,J,O	< 0.06 U,J,O	< 0.06 U,J,O	< 0.06 U,J,O	< 0.06 U
< 0.1 U	< 1.0 U	< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U
< 0.1 U	< 1.0 U	< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U
< 0.1 U	< 1.0 U	< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U
< 0.1 U	< 1.0 U	< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U
< 0.1 U	< 1.0 U	< 1.0 U		< 1.0 U		**2.2**		< 1.0 U
< 0.1 U	< 1.0 U	< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U
< 0.1 U	< 1.0 U	< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U
	< 1.0 U	< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U
	< 1.0 U	< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U
		< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U
		< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U
		< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U
		< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U
		< 0.050 U		< 0.050 U,J,O		< 0.050 U		< 0.050 U
		< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U
		< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U
		< 5.0 U		< 5.0 U		< 5.0 U		< 5.0 U
		< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U
		< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U
		< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U
		< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U
		< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U
		< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U
		< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U
		< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U
		< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U
		< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U
		< 0.050 U		< 0.050 U		**0.15**		< 0.050 U
		< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U
		< 0.50 U		< 0.50 U		< 0.50 U		< 0.50 U

< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U
< 0.05 U,J,O	**0.0019 J,O**	< 0.05 U,J,O	**0.0023 J,O**	< 0.05 U,J,O	**0.0023 J,O**	< 0.05 U,J,O	< 0.05 U,J,O	**0.0021 J,O**
< 0.06 U	< 0.06 U	< 0.06 U,J,O	< 0.06 U,J,O	< 0.06 U	< 0.06 U,J,O	< 0.06 U	< 0.06 U	< 0.06 U
	< 1.0 U		< 1.0 U		< 1.0 U			< 1.0 U
	< 1.0 U		< 1.0 U		< 1.0 U			< 1.0 U
	< 1.0 U		< 1.0 U		< 1.0 U			< 1.0 U
	< 1.0 U		< 1.0 U		< 1.0 U			< 1.0 U
	< 1.0 U		< 1.0 U		< 1.0 U			< 1.0 U
	< 1.0 U		< 1.0 U		< 1.0 U			< 1.0 U
	< 1.0 U		< 1.0 U		< 1.0 U			< 1.0 U
	< 1.0 U		< 1.0 U		< 1.0 U			< 1.0 U
	< 1.0 U		< 1.0 U		< 1.0 U			< 1.0 U
	< 0.10 U		< 0.10 U		< 0.10 U			< 0.10 U
	< 0.10 U		< 0.10 U		< 0.10 U			< 0.10 U
	< 0.10 U		< 0.10 U		< 0.10 U			< 0.10 U
	< 0.050 U		< 0.050 U		< 0.050 U			< 0.050 U
	< 0.050 U		< 0.050 U		< 0.050 U			< 0.050 U
	< 0.050 U		< 0.050 U		< 0.050 U			< 0.050 U
	< 0.050 U		< 0.050 U		< 0.050 U			< 0.050 U
	< 5.0 U		< 5.0 U		< 5.0 U			< 5.0 U
	< 0.050 U		< 0.050 U		< 0.050 U			< 0.050 U
	< 0.050 U		< 0.050 U		< 0.050 U			< 0.050 U
	< 0.10 U		< 0.10 U		< 0.10 U			< 0.10 U
	< 0.050 U		< 0.050 U		< 0.050 U			< 0.050 U
	< 0.10 U		< 0.10 U		< 0.10 U			< 0.10 U
	< 0.10 U		< 0.10 U		< 0.10 U			< 0.10 U
	< 0.10 U		< 0.10 U		< 0.10 U			< 0.10 U
	< 0.10 U		< 0.10 U		< 0.10 U			< 0.10 U
	< 0.10 U		< 0.10 U		< 0.10 U			< 0.10 U
	< 0.050 U		< 0.050 U		< 0.050 U			< 0.050 U
	< 0.050 U		< 0.050 U		< 0.050 U			< 0.050 U
	< 0.050 U		< 0.050 U		< 0.050 U			< 0.050 U
	< 0.50 U		< 0.50 U		< 0.50 U			< 0.50 U

< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	**0.0017 J,O**	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U
0.0017 J,O	< 0.05 U,J,O	**0.0012 J,O**	< 0.05 U,J,O	**0.0036 J,O**	< 0.05 U	**0.0015 J,O**	< 0.05 U	**0.0016 J,O**
< 0.06 U,J,O	< 0.06 U	< 0.06 U	< 0.06 U	< 0.06 U,J,O	< 0.06 U	< 0.06 U,J,O	< 0.06 U	< 0.06 U

< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U
< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U
< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U
< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U
< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U
< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U
< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U
< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U
< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U		< 1.0 U

< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U
< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U
< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U
< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U
< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U,J,O
< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U
< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U
< 5.0 U		< 5.0 U		< 5.0 U		< 5.0 U		< 5.0 U
< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U
< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U
< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U
< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U
< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U
< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U
< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U
< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U
< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U		< 0.10 U
< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U,J,O		< 0.050 U
< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U
< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U		< 0.050 U
< 0.50 U		< 0.50 U		< 0.50 U		< 0.50 U		< 0.50 U

< 0.025 U	< 0.025 U	< 0.025 U
< 0.05 U,J,O	**0.0018 J,O**	< 0.05 U
< 0.06 U	< 0.06 U,J,O	< 0.06 U
	< 1.0 U	
	< 1.0 U	
	< 1.0 U	
	< 1.0 U	
	< 1.0 U	
	< 1.0 U	
	< 1.0 U	
	< 1.0 U	
	< 1.0 U	
	< 0.10 U	
	< 0.10 U	
	< 0.10 U	
	< 0.050 U	
	< 0.050 U,J,O	
	< 0.050 U	
	< 0.050 U	
	< 5.0 U	
	< 0.050 U	
	< 0.050 U	
	< 0.10 U	
	< 0.050 U	
	< 0.10 U	
	< 0.10 U	
	< 0.10 U	
	< 0.10 U	
	< 0.10 U	
	< 0.050 U	
	< 0.050 U	
	< 0.050 U	
	< 0.50 U	

NOTES:

U = analyte not detected above the reference reporting limit

J = estimated concentration

O = qualifier indicating the reported value is estimated due to the presence of interference or quality exception.

Table C2
Surface Water Sample Results Summary: PAHs
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

		Subfacility	**AIP**	**LANDFILL OU2**	**LANDFILL OU2**	**LANDFILL OU2**
		Area	**South of Site**	**LANDFILL OU2**	**LANDFILL OU2**	**LANDFILL OU2**
		Location	**DD507**	**DD508**	**DD513**	**DD514**
		Sample Date	**5/19/2009**	**5/18/2009**	**5/13/2009**	**5/15/2009**
		Sample ID	**R4-C092302-60**	**R4-C092302-62**	**R4-C092302-69**	**R4-C092302-72**
		ERM Sample ID	**DD507-20090519**	**DD508-20090518**	**DD513-20090513**	**DD514-20090515**
		Sample Interval	**-**	**-**	**-**	**-**
		Sample Type	**N**	**N**	**N**	**N**
Chemical Name	**CAS No.**	**Units**				
PAHs (ug/L)						
2-Methylnaphthalene	91-57-6	ug/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acenaphthene	83-32-9	ug/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acenaphthylene	208-96-8	ug/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Anthracene	120-12-7	ug/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(a)anthracene	56-55-3	ug/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(a)pyrene	50-32-8	ug/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(b)fluoranthene	205-99-2	ug/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(g,h,i)perylene	191-24-2	ug/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzo(k)fluoranthene	207-08-9	ug/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Chrysene	218-01-9	ug/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Dibenzo(a,h)anthracene	53-70-3	ug/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Fluoranthene	206-44-0	ug/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Fluorene	86-73-7	ug/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Naphthalene	91-20-3	ug/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Phenanthrene	85-01-8	ug/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Pyrene	129-00-0	ug/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U

NOTES:
U = analyte not detected above the reference reporting limit
J = estimated concentration
O = qualifier indicating the reported value is estimated due to the presence of interference or quality exception.

RC Background (RC) RC400 5/18/2009 R4-C092303-08 RC400-20090518 - N	RC Background (RC) RC401 5/18/2009 R4-C092303-11 RC401-20090518 - N	RC Background (RC) RC402 5/15/2009 R4-C092303-14 RC402-20090515 - N	RC Background (RC) RC403 5/15/2009 R4-C092303-18 RC403-20090515 - N	RC Background (RC) RC403 5/15/2009 R4-C092303-19 RC403-20090515 - FD	RC Rocky Creek RC404 5/15/2009 R4-C092303-23 RC404-20090515 - N	RC Rocky Creek RC405 5/15/2009 R4-C092303-26 RC405-20090515 - N
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U

RC Rocky Creek RC406 5/18/2009 R4-C092303-29 RC406-20090518 - N	RC Rocky Creek RC407 5/19/2009 R4-C092303-32 RC407-20090519 - N	RC Rocky Creek RC408 5/12/2009 R4-C092303-35 RC408-20090512 - N	RC Rocky Creek RC409 5/12/2009 R4-C092303-38 RC409-20090512 - N
< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U

Table C3
Surface Water Sample Results Summary: SVOCs
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

		Subfacility	AIP	AIP	AIP	AIP
		Area	Background (Site)	Background (Site)	Background (Site)	Background (Site)
		Location	IS-004	IS-004	IS-005	IS-006
		Sample Date	1/1/1996	1/1/1996	1/1/1996	1/1/1996
		Sample ID	IS-004 DUP-WS-19960101	IS-004-WS-19960101	IS-005-WS-19960101	IS-006-WS-19960101
		ERM Sample ID	IS-004-19960101	IS-004-19960101	IS-005-19960101	IS-006-19960101
		Sample Interval	-	-	-	-
		Sample Type	FD	N	N	N
Chemical Name	**CAS No.**	**Units**				
SVOCs (ug/L)						
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L				
2,2-Oxybis(2-chloropropane)	39638-32-9	ug/L				
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L				
2,4,5-Trichlorophenol	95-95-4	ug/L				
2,4,6-Trichlorophenol	88-06-2	ug/L				
2,4-Dichlorophenol	120-83-2	ug/L				
2,4-Dimethylphenol	105-67-9	ug/L				
2,4-Dinitrophenol	51-28-5	ug/L				
2,4-Dinitrotoluene	121-14-2	ug/L				
2,6-Dinitrotoluene	606-20-2	ug/L				
2-Chloronaphthalene	91-58-7	ug/L				
2-Chlorophenol	95-57-8	ug/L				
2-Nitroaniline	88-74-4	ug/L				
2-Nitrophenol	88-75-5	ug/L				
3,3'-Dichlorobenzidine	91-94-1	ug/L				
3-Nitroaniline	99-09-2	ug/L				
4-Bromophenyl phenyl ether	101-55-3	ug/L				
4-Chloro-3-methylphenol	59-50-7	ug/L				
4-Chlorophenyl phenyl ether	7005-72-3	ug/L				
4-Nitroaniline	100-01-6	ug/L				
4-Nitrophenol	100-02-7	ug/L				

AIP South of Site DD507 5/19/2009 R4-C092302-60 DD507-20090519 - N	LANDFILL OU2 LANDFILL OU2 DD508 5/18/2009 R4-C092302-62 DD508-20090518 - N	LANDFILL OU2 LANDFILL OU2 DD513 5/13/2009 R4-C092302-69 DD513-20090513 - N	LANDFILL OU2 LANDFILL OU2 DD514 5/15/2009 R4-C092302-72 DD514-20090515 - N	RC Background (RC) RC400 5/18/2009 R4-C092303-08 RC400-20090518 - N	RC Background (RC) RC401 5/18/2009 R4-C092303-11 RC401-20090518 - N	RC Background (RC) RC402 5/15/2009 R4-C092303-14 RC402-20090515 - N	RC Background (RC) RC403 5/15/2009 R4-C092303-18 RC403-20090515 - N	RC Background (RC) RC403 5/15/2009 R4-C092303-19 RC403-20090515 - FD
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U,J,O	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 10 U,J,O	< 10 U	< 10 U,J,O	< 10 U,J,O	< 10 U,J,O	< 10 U,J,O	< 10 U,J,O	< 10 U,J,O	< 10 U,J,O
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U		< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 10 U	< 10 U,J,O	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 10 U	< 10 U,J,O	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U

RC Rocky Creek RC404 5/15/2009 R4-C092303-23 RC404-20090515 - N	RC Rocky Creek RC405 5/15/2009 R4-C092303-26 RC405-20090515 - N	RC Rocky Creek RC406 5/18/2009 R4-C092303-29 RC406-20090518 - N	RC Rocky Creek RC407 5/19/2009 R4-C092303-32 RC407-20090519 - N	RC Rocky Creek RC408 5/12/2009 R4-C092303-35 RC408-20090512 - N	RC Rocky Creek RC409 5/12/2009 R4-C092303-38 RC409-20090512 - N
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U,J,O	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 10 U,J,O	< 10 U,J,O	< 11 U	< 10 U,J,O	< 10 U,J,O	< 10 U,J,O
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 10 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U,J,O	< 5.0 U
< 10 U	< 10 U	< 11 U,J,O	< 10 U	< 10 U	< 10 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 10 U	< 10 U	< 11 U,J,O	< 10 U	< 10 U	< 10 U
< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 10 U

Acetophenone	98-86-2	ug/L				
Atrazine	1912-24-9	ug/L				
Benzaldehyde	100-52-7	ug/L				
Benzyl butyl phthalate	85-68-7	ug/L				
Biphenyl	92-52-4	ug/L				
Bis(2-chloroethoxy)methane	111-91-1	ug/L				
Bis(2-ethylhexyl)phthalate	117-81-7	ug/L				
Caprolactam	105-60-2	ug/L				
Carbazole	86-74-8	ug/L				
Cresol	1319-77-3	ug/L				
Dibenzofuran	132-64-9	ug/L				
Dibutyl phthalate	84-74-2	ug/L				
Dichloroethyl ether	111-44-4	ug/L				
Diethyl phthalate	84-66-2	ug/L				
Dimethyl phthalate	131-11-3	ug/L				
Dinitro-o-cresol	534-52-1	ug/L				
Di-n-octyl phthalate	117-84-0	ug/L				
Diphenylamine	122-39-4	ug/L				
Hexachlorobenzene	118-74-1	ug/L				
Hexachlorobutadiene	87-68-3	ug/L				
Hexachlorocyclopentadiene	77-47-4	ug/L				
Hexachloroethane	67-72-1	ug/L				
Isophorone	78-59-1	ug/L				
Nitrobenzene	98-95-3	ug/L	**10 J**	< 5.3	< 5.3	< 5.3
n-Nitrosodi-n-propylamine	621-64-7	ug/L				
o-Cresol	95-48-7	ug/L				
p-Chloroaniline	106-47-8	ug/L				
Pentachlorophenol	87-86-5	ug/L				
Phenol	108-95-2	ug/L				

NOTES:

U = analyte not detected above the reference reporting limit

J = estimated concentration

O = qualifier indicating the reported value is estimated due to the presence of interference or quality exception.

< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U,J,O	< 5.0 U	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O
< 5.0 U		< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U,J,O	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 5.0 U,J,O	< 5.0 U	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U,J,O	< 5.0 U	< 5.0 U		< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U		< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 10 U	< 10 U	< 10 U,J,O	< 10 U,J,O	< 10 U	< 10 U	< 10 U,J,O	< 10 U,J,O	< 10 U,J,O
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U

< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U,J,O	< 5.0 U,J,O	< 5.6 U	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O
< 5.0 U	< 5.0 U		< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U,J,O	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 10 U	< 10 U	< 11 U	< 10 U	< 10 U	< 10 U
< 5.0 U,J,O	< 5.0 U,J,O	< 5.6 U	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U,J,O	< 5.0 U
< 10 U,J,O	< 10 U,J,O	< 11 U	< 10 U	< 10 U,J,O	< 10 U,J,O
< 5.0 U	< 5.0 U	< 5.6 U	< 5.0 U	< 5.0 U	< 5.0 U

Table C4
Surface Water Sample Results Summary: VOCs
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

		Subfacility	AIP	AIP	AIP
		Area	Background (Site)	Background (Site)	Background (Site)
		Location	IS-004	IS-004	IS-005
		Sample Date	1/1/1996	1/1/1996	1/1/1996
		Sample ID	IS-004 DUP-WS-19960101	IS-004-WS-19960101	IS-005-WS-19960101
		ERM Sample ID	IS-004-19960101	IS-004-19960101	IS-005-19960101
		Sample Interval	-	-	-
		Sample Type	FD	N	N
Chemical Name	**CAS No.**	**Units**			
VOCs (ug/L)					
1,1,1-Trichloroethane	71-55-6	ug/L			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L			
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	ug/L			
1,1,2-Trichloroethane	79-00-5	ug/L			
1,1-Dichloroethane	75-34-3	ug/L			
1,1-Dichloroethene	75-35-4	ug/L			
1,2,3-Trichlorobenzene	87-61-6	ug/L			
1,2,4-Trichlorobenzene	120-82-1	ug/L			
1,2-Dibromo-3-chloropropane	96-12-8	ug/L			
1,2-Dichlorobenzene	95-50-1	ug/L			
1,2-Dichloroethane	107-06-2	ug/L			
1,2-Dichloroethene	540-59-0	ug/L			
1,2-Dichloropropane	78-87-5	ug/L			
1,3-Dichlorobenzene	541-73-1	ug/L			
1,3-Dichloropropene	542-75-6	ug/L			
1,4-Dichlorobenzene	106-46-7	ug/L			
2-Butanone	78-93-3	ug/L			
2-Hexanone	591-78-6	ug/L			
4-Methyl-2-pentanone	108-10-1	ug/L			
Acetone	67-64-1	ug/L			
Benzene	71-43-2	ug/L			

AIP Background (Site) IS-006 1/1/1996 IS-006-WS-19960101 IS-006-19960101 - N	AIP South of Site DD507 5/19/2009 R4-C092302-60 DD507-20090519 - N	AIP South of Site ISW-202 1/1/2000 ISW-202-01-20000101-01 ISW-202-20000101 - N	AIP South of Site ISW-202 1/1/2000 ISW-202-01A-20000101-01 ISW-202-20000101 - N	AIP South of Site ISW-203 1/1/2000 ISW-203-01-20000101-01 ISW-203-20000101 - N	LANDFILL OU2 LANDFILL OU2 DD508 5/18/2009 R4-C092302-62 DD508-20090518 - N	LANDFILL OU2 LANDFILL OU2 DD513 5/13/2009 R4-C092302-69 DD513-20090513 - N
	< 5.0 U	< 1 U	< 1 U	< 1 U	< 5.0 U	< 5.0 U
	< 5.0 U	< 1 U	< 1 U	< 1 U	< 5.0 U	< 5.0 U
	< 5.0 U				< 5.0 U	< 5.0 U
	< 5.0 U	< 1 U	< 1 U	< 1 U	< 5.0 U	< 5.0 U
	< 5.0 U	< 1 U	< 1 U	< 1 U	< 5.0 U	< 5.0 U
	< 5.0 U	< 1 U	< 1 U	< 1 U	< 5.0 U	< 5.0 U
	< 5.0 U				< 5.0 U	< 5.0 U
	< 5.0 U				< 5.0 U	< 5.0 U
	< 5.0 U				< 5.0 U	< 5.0 U
	< 5.0 U				< 5.0 U	< 5.0 U
	< 5.0 U	< 1 U	< 1 U	< 1 U	< 5.0 U	< 5.0 U
		< 2 U	< 2 U	< 2 U		
	< 5.0 U	< 1 U	< 1 U	< 1 U	< 5.0 U	< 5.0 U
	< 5.0 U				< 5.0 U	< 5.0 U
		< 1 U	< 1 U	< 1 U		
	< 5.0 U				< 5.0 U	< 5.0 U
	< 10 U	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U
	< 10 U	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U
	< 10 U	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U
	< 10 U	< 5 U	< 5 U	< 5 U	< 10 U,J,O	< 10 U
	< 5.0 U	< 1 U	< 1 U	< 1 U	< 5.0 U	< 5.0 U

LANDFILL OU2 LANDFILL OU2 DD514 5/15/2009 R4-C092302-72 DD514-20090515 - N	RC Background (RC) RC400 5/18/2009 R4-C092303-08 RC400-20090518 - N	RC Background (RC) RC401 5/18/2009 R4-C092303-11 RC401-20090518 - N	RC Background (RC) RC402 5/15/2009 R4-C092303-14 RC402-20090515 - N	RC Background (RC) RC403 5/15/2009 R4-C092303-18 RC403-20090515 - N	RC Background (RC) RC403 5/15/2009 R4-C092303-19 RC403-20090515 - FD	RC Rocky Creek RC404 5/15/2009 R4-C092303-23 RC404-20090515 - N	RC Rocky Creek RC405 5/15/2009 R4-C092303-26 RC405-20090515 - N	RC Rocky Creek RC406 5/18/2009 R4-C092303-29 RC406-20090518 - N
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U,J,O
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U

RC Rocky Creek RC407 5/19/2009 R4-C092303-32 RC407-20090519 - N	RC Rocky Creek RC408 5/12/2009 R4-C092303-35 RC408-20090512 - N	RC Rocky Creek RC409 5/12/2009 R4-C092303-38 RC409-20090512 - N
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 10 U	< 10 U	< 10 U
< 10 U	< 10 U	< 10 U
< 10 U	< 10 U	< 10 U
< 10 U	< 10 U	< 10 U
< 5.0 U	< 5.0 U	< 5.0 U

Bromodichloromethane	75-27-4	ug/L			
Bromoform	75-25-2	ug/L			
Carbon disulfide	75-15-0	ug/L			
Carbon tetrachloride	56-23-5	ug/L			
Chlorobenzene	108-90-7	ug/L			
Chlorobromomethane	74-97-5	ug/L			
Chloroethane	75-00-3	ug/L			
Chloroform	67-66-3	ug/L			
cis-1,2-Dichloroethene	156-59-2	ug/L			
cis-1,3-Dichloropropene	10061-01-5	ug/L			
Cyclohexane	110-82-7	ug/L			
Dibromochloromethane	124-48-1	ug/L			
Dichlorodifluoromethane (Freon 12)	75-71-8	ug/L			
Ethylbenzene	100-41-4	ug/L			
Ethylene dibromide	106-93-4	ug/L			
Isopropylbenzene (Cumene)	98-82-8	ug/L			
m,p-Xylenes	179601-23-1	ug/L			
Methyl acetate	79-20-9	ug/L			
Methyl bromide	74-83-9	ug/L			
Methyl chloride	74-87-3	ug/L			
Methyl tert-butyl ether	1634-04-4	ug/L			
Methylcyclohexane	108-87-2	ug/L			
Methylene chloride	75-09-2	ug/L			
o-Xylene	95-47-6	ug/L			
Styrene	100-42-5	ug/L			
Tetrachloroethene	127-18-4	ug/L			
Toluene	108-88-3	ug/L	**1.5 J**	**1.4 J**	**1.4 J**
trans-1,2-Dichloroethene	156-60-5	ug/L			
trans-1,3-Dichloropropene	10061-02-6	ug/L			
Trichloroethene	79-01-6	ug/L			
Trichlorofluoromethane (Freon 11)	75-69-4	ug/L			
Vinyl chloride	75-01-4	ug/L			

NOTES:

U = analyte not detected above the reference reporting limit

	< 5.0 U	< 1 U	< 1 U	< 1 U	< 5.0 U	< 5.0 U
	< 5.0 U	< 1 U	< 1 U	< 1 U	< 5.0 U	< 5.0 U
	< 5.0 U	< 5 U	**5.1 =**	< 5 U	< 5.0 U	< 5.0 U
	< 5.0 U	< 1 U	< 1 U	< 1 U	< 5.0 U	< 5.0 U
	< 5.0 U	< 1 U	< 1 U	< 1 U	< 5.0 U	< 5.0 U
	< 5.0 U				< 5.0 U	< 5.0 U
	< 5.0 U,J,O	< 1 U	< 1 U	< 1 U	< 5.0 U	< 5.0 U
	< 5.0 U	< 1 U	< 1 U	< 1 U	< 5.0 U	< 5.0 U
	< 5.0 U				< 5.0 U	< 5.0 U
	< 5.0 U	< 1 U	< 1 U	< 1 U	< 5.0 U	< 5.0 U
	< 5.0 U				< 5.0 U	< 5.0 U
	< 5.0 U	< 1 U	< 1 U	< 1 U	< 5.0 U	< 5.0 U
	< 5.0 U				< 5.0 U	< 5.0 U
	< 5.0 U	< 1 U	< 1 U	< 1 U	< 5.0 U	< 5.0 U
	< 5.0 U				< 5.0 U	< 5.0 U
	< 5.0 U				< 5.0 U	< 5.0 U
	< 5.0 U				< 5.0 U	< 5.0 U
	< 5.0 U				< 5.0 U	< 5.0 U
	< 5.0 U,J,O	< 1 U	< 1 U	< 1 U	< 5.0 U	< 5.0 U,J,O
	< 5.0 U	< 1 UJ	< 1 UJ	< 1 UJ	< 5.0 U	< 5.0 U
	< 5.0 U				< 5.0 U,J,O	< 5.0 U
	< 5.0 U				< 5.0 U	< 5.0 U
	< 5.0 U,J,O	< 5 UJ	< 5 UJ	< 5 U	< 5.0 U	< 5.0 U,J,O
	< 5.0 U				< 5.0 U	< 5.0 U
	< 5.0 U	< 1 U	< 1 U	< 1 U	< 5.0 U	< 5.0 U
	< 5.0 U	< 1 U	< 1 U	< 1 U	< 5.0 U	< 5.0 U
1.4 J	< 5.0 U	< 1 U	< 1 U	< 1 U	< 5.0 U	< 5.0 U
	< 5.0 U				< 5.0 U	< 5.0 U
	< 5.0 U				< 5.0 U	< 5.0 U
	< 5.0 U	< 1 U	< 1 U	< 1 U	< 5.0 U	**1.0 J,O**
	< 5.0 U				< 5.0 U	< 5.0 U
	< 5.0 U	< 1 U	< 1 U	< 1 U	< 5.0 U	< 5.0 U

< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
15	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U,J,O
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
3.6 J,O	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
7.9	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U

< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	< 5.0 U	< 5.0 U

J = estimated concentration

O = qualifier indicating the reported value is estimated due to the presence of interference or quality exception.

APPENDIX D COMPREHENSIVE ANALYTICAL DATA: GROUNDWATER

(electronic only)

The Excel files are also attached to this PDF. Click on the paperclip if they do not show to the left.

Table D1
Groundwater Sample Results Summary: Inorganics and PCBs
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

		Subfacility	AIP	AIP	AIP	AIP
		Area	Background (Site)	Background (Site)	Background (Site)	Background (Site)
		Location	IGW-018	IGW-062	MW-28	MW-29
		Sample Date	1/1/1996	1/1/1996	10/28/1998	10/27/1998
		Sample ID	IGW-18-19960101-01	IGW-62-19960101-01	MW28-GW1-WG-19981028	MW29-GW1-WG-19981027
		ERM Sample ID	IGW-018-19960101	IGW-062-19960101	MW-28-19981028	MW-29-19981027
		Sample Interval	-	-	-	-
		Sample Type	N	N	N	N
Chemical Name	**CAS No.**	**Units**				
Inorganics (mg/L)						
Aluminum	7429-90-5	mg/L				
Antimony	7440-36-0	mg/L	< 0.022 U	< 0.022 U	< 0.0025 U	< 0.0025 U
Arsenic	7440-38-2	mg/L	< 0.049 U	< 0.049 U	< 0.004 U	< 0.004 U
Barium	7440-39-3	mg/L				
Beryllium	7440-41-7	mg/L	**0.00021 J**	**0.00031 J**	< 0.00013 U	< 0.00013 U
Cadmium	7440-43-9	mg/L	< 0.0019 U	< 0.0019 U	< 0.0011 U	< 0.0011 U
Calcium	7440-70-2	mg/L				
Chromium	7440-47-3	mg/L	**0.204**	**0.577**	< 0.0007 U	**0.0283**
Cobalt	7440-48-4	mg/L				
Copper	7440-50-8	mg/L	**0.396**	**0.252**	< 0.00074 U	**0.0045 B**
Cyanide CN-	57-12-5	mg/L				
Iron	7439-89-6	mg/L				
Lead	7439-92-1	mg/L	**0.013**	**0.015**	**0.0052**	**0.0033**
Magnesium	7439-95-4	mg/L				
Manganese	7439-96-5	mg/L				
Mercury	7439-97-6	mg/L	**0.0003**	**0.0004**	< 0.00010 U	< 0.00010 U
Nickel	7440-02-0	mg/L	**0.0849**	**0.233**	**0.0017 B**	**0.0266 B**
Potassium	7440-09-7	mg/L				
Selenium	7782-49-2	mg/L	< 0.00074 U	**0.0028 J**	< 0.0013 U	< 0.0013 U
Silver	7440-22-4	mg/L			< 0.0035 U	< 0.0031 U
Sodium	7440-23-5	mg/L				

AIP Background (Site) MW-30 10/27/1998 MW30-GW1-WG-19981027 MW-30-19981027 - N	AIP Background (Site) MW-30 5/16/2009 R4-C092302-16 MW-30-20090516 - N	AIP MNOP Site IGW-001 1/1/1996 IGW-1-19960101-01 IGW-001-19960101 - N	AIP MNOP Site IGW-002 1/1/1996 IGW-2-19960101-01 IGW-002-19960101 - N	AIP MNOP Site IGW-002 1/1/1996 IGW-2-ADUP-19960101-01 IGW-002-19960101 - FD	AIP MNOP Site IGW-003 1/1/1996 IGW-3-19960101-01 IGW-003-19960101 - N	AIP MNOP Site IGW-005 1/1/1996 IGW-5-19960101-01 IGW-005-19960101 - N
	9.9					
< 0.0025 U	< 0.06 U	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U
< 0.004 U	**0.0037 J,O**	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
	0.13 J,O					
< 0.00013 U	**0.00016 J,O**	**0.0016 J**	**0.0016 J**	**0.00021 J**	**0.0015 J**	**0.0017 J**
< 0.0011 U	< 0.0050 U	**0.00508**	**0.00978**	< 0.0019 U	< 0.0019 U	**0.0042 J**
	7.2					
0.0117	**0.11**	**1.11**	**1.93**	**0.329**	**1.05**	**1.49**
	< 0.05 U,J,O					
0.0041 B	**0.019 J,O**	**4.63**	**1.05**	**0.193**	**0.171**	**0.148**
	< 0.01 U					
	15					
0.0079	**0.021**	**0.11**	**0.082**	**0.014**	**0.047**	**0.049**
	1.9 J,O					
	0.31					
< 0.00010 U	**0.00027**	**0.0012**	**0.0007**	**0.0003**	**0.0005**	**0.0003**
0.0306 B	**0.065**	**0.368**	**0.489**	**0.119**	**0.267**	**0.263**
	2.1 J,O					
0.0024 B	< 0.035 U	**0.0045 J**	< 0.00074 U	< 0.00074 U	< 0.00074 U	**0.0036 J**
< 0.0027 U	< 0.01 U					
	7.2					

AIP MNOP Site IGW-006 1/1/1996 IGW-6-19960101-01 IGW-006-19960101 - N	AIP MNOP Site IGW-008 1/1/1996 IGW-8-19960101-01 IGW-008-19960101 - N	AIP MNOP Site IGW-009 1/1/1996 IGW-9-19960101-01 IGW-009-19960101 - N	AIP MNOP Site IGW-010 1/1/1996 IGW-10-19960101-01 IGW-010-19960101 - N	AIP MNOP Site IGW-011 1/1/1996 IGW-11-19960101-01 IGW-011-19960101 - N	AIP MNOP Site IGW-012 1/1/1996 IGW-12-19960101-01 IGW-012-19960101 - N	AIP MNOP Site IGW-014 1/1/1996 IGW-14-19960101-01 IGW-014-19960101 - N
< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U
< 0.049 U				**0.076 J**	< 0.049 U	< 0.049 U
0.00074 J	**0.0023 J**	**0.00052 J**	**0.00088 J**	< 0.00016 U	**0.00031 J**	**0.00019 J**
0.00647	**0.0166**	**0.0121**	**0.0276**	< 0.0019 U	< 0.0019 U	< 0.0019 U
1.02	**0.326**	**0.0632**	**0.204**	< 0.0045 U	**1.62**	**0.17**
0.102	**0.103**	< 0.0385 U	**0.0609**	< 0.0073 U	**0.367**	**0.18**
0.044	**0.121**	**0.032**	**0.027**	< 0.00089 U	**0.018**	**0.0063**
0.0005	**0.0012**	**0.0012**	**0.0008**	< 0.00005 U	**0.0005**	< 0.00005 U
0.129	**0.0438**	**0.0288**	**0.0211**	**0.0073 J**	**0.489**	**0.0872**
< 0.00074 U	< 0.00074 U	< 0.00074 U	**0.003 J**	**0.0029 J**	< 0.00074 U	**0.0032 J**

AIP MNOP Site IGW-015 1/1/1996 IGW-15-19960101-01 IGW-015-19960101 - N	AIP MNOP Site IGW-016 1/1/1996 IGW-16-19960101-01 IGW-016-19960101 - N	AIP MNOP Site IGW-017 1/1/1996 IGW-17-19960101-01 IGW-017-19960101 - N	AIP MNOP Site IGW-021 1/1/1996 IGW-21-19960101-01 IGW-021-19960101 - N	AIP MNOP Site IGW-022 1/1/1996 IGW-22-19960101-01 IGW-022-19960101 - N	AIP MNOP Site IGW-023 1/1/1996 IGW-23-19960101-01 IGW-023-19960101 - N	AIP MNOP Site IGW-024 1/1/1996 IGW-24-19960101-01 IGW-024-19960101 - N
< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U
< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
0.00034 J	**0.00018 J**	**0.0012 J**	**0.0014 J**	**0.00055 J**	**0.00075 J**	< 0.00016 U
< 0.0019 U	< 0.0019 U	**0.0248**	**0.0024 J**	< 0.0019 U	< 0.0019 U	**0.0257**
0.58	**0.459**	**0.999**	**1.98**	**1.79**	**1.2**	**0.74**
0.162	**0.144**	**0.288**	**0.345**	**0.231**	**0.247**	**0.152**
0.018	**0.15**	**0.18**	**0.071**	**0.037**	**0.043**	**0.055**
0.0004	**0.0002 J**	**0.0022**	**0.0003**	< 0.00005 U	**0.0005**	**0.0004**
0.181	**0.145**	**0.16**	**0.479**	**0.518**	**0.309**	**0.176**
0.0024 J	< 0.00074 U	**0.0028 J**	< 0.00074 U	< 0.00074 U	< 0.00074 U	**0.0029 J**

AIP MNOP Site IGW-025 1/1/1996 IGW-25-19960101-01 IGW-025-19960101 - N	AIP MNOP Site IGW-026 1/1/1996 IGW-26-ADUP-19960101-01 IGW-026-19960101 - N	AIP MNOP Site IGW-027 1/1/1996 IGW-27-19960101-01 IGW-027-19960101 - N	AIP MNOP Site IGW-028 1/1/1996 IGW-28-19960101-01 IGW-028-19960101 - N	AIP MNOP Site IGW-029 1/1/1996 IGW-29-19960101-01 IGW-029-19960101 - N	AIP MNOP Site IGW-030 1/1/1996 IGW-30-19960101-01 IGW-030-19960101 - N	AIP MNOP Site IGW-032 1/1/1996 IGW-32-19960101-01 IGW-032-19960101 - N
0.025 J	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U
< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
0.0015 J	**0.00017 J**	**0.0011 J**	**0.0002 J**	**0.00038 J**	**0.0005 J**	**0.0002 J**
0.0025 J	< 0.0019 U	**0.018**	< 0.0019 U	**0.0042 J**	**0.0107**	**0.0067**
3.22	**0.354**	**1.31**	**1.29**	**0.719**	**0.967**	**0.101**
0.553	**0.16**	**0.759**	**0.282**	**0.196**	**0.195**	**0.0113**
0.0703	**0.0045**	**0.051**	**0.012**	**0.02**	**0.068**	**0.0078**
0.0008	**0.0003**	**0.0034**	**0.0004**	**0.0004**	**0.0008**	< 0.00005 U
0.875	**0.147**	**0.48**	**0.447**	**0.248**	**0.258**	**0.011 J**
0.0024 J	**0.0024 J**	**0.0025 J**	< 0.00074 U	< 0.00074 U	**0.0059**	< 0.00074 UJ

AIP MNOP Site IGW-033 1/1/1996 IGW-33-19960101-01 IGW-033-19960101 - N	AIP MNOP Site IGW-034 1/1/1996 IGW-34-19960101-01 IGW-034-19960101 - N	AIP MNOP Site IGW-035 1/1/1996 IGW-35-19960101-01 IGW-035-19960101 - N	AIP MNOP Site IGW-035 1/1/1996 IGW-35-DDUP-19960101-01 IGW-035-19960101 - FD	AIP MNOP Site IGW-037 1/1/1996 IGW-37-19960101-01 IGW-037-19960101 - N	AIP MNOP Site IGW-037 1/1/1996 IGW-37DUP-19960101-01 IGW-037-19960101 - FD	AIP MNOP Site IGW-038 1/1/1996 IGW-38-19960101-01 IGW-038-19960101 - N
< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U
< 0.049 U	< 0.049 U	< 0.049 U	**0.061 J**	< 0.049 U	< 0.049 U	< 0.049 U
0.00026 J	< 0.00016 U	< 0.00016 U	< 0.00016 U	**0.00023 J**	**0.00024 J**	**0.00022 J**
< 0.0019 U	**0.0022 J**	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U
0.536	< 0.0045 U	**0.0526**	< 0.0045 U	**0.134**	**0.124**	**0.202**
0.0766	**0.0098 J**	**0.0273**	**0.0102**	**0.064**	**0.046**	**1.15**
0.015	**0.0041**	**0.0058**	< 0.00089 U	**0.0063**	**0.0059**	**0.021**
< 0.00005 U	**0.0002 J**	< 0.00005 U	< 0.00005 U	**0.0003**	< 0.00005 U	< 0.00005 U
0.148	< 0.0056 U	**0.0217**	< 0.0056 U	**0.0416**	**0.0388**	**0.155**
< 0.00074 U	< 0.00074 UJ	< 0.00074 UJ	< 0.00074 UJ	< 0.00074 U	< 0.00074 U	< 0.00074 U

AIP MNOP Site IGW-039 1/1/1996 IGW-39-19960101-01 IGW-039-19960101 - N	AIP MNOP Site IGW-039 1/1/1996 IGW-39-ADUP-19960101-01 IGW-039-19960101 - FD	AIP MNOP Site IGW-041 1/1/1996 IGW-41-19960101-01 IGW-041-19960101 - N	AIP MNOP Site IGW-042 1/1/1996 IGW-42-19960101-01 IGW-042-19960101 - N	AIP MNOP Site IGW-043 1/1/1996 IGW-43-19960101-01 IGW-043-19960101 - N	AIP MNOP Site IGW-044 1/1/1996 IGW-44-19960101-01 IGW-044-19960101 - N	AIP MNOP Site IGW-045 1/1/1996 IGW-45-19960101-01 IGW-045-19960101 - N
< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U	**0.028**	< 0.022 U	< 0.022 U
< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
0.00038 J	**0.00042 J**	**0.0011 J**	**0.00047 J**	**0.00036 J**	**0.00018 J**	**0.0019 J**
< 0.0019 U	**0.0021 J**	< 0.0019 U	< 0.0019 U	**0.0039 J**	< 0.0019 U	**0.0025 J**
0.871	**0.611**	**1.34**	**0.949**	**3.46**	**0.186**	**1.01**
0.189	**0.223**	**0.136**	**0.269**	**0.444**	**0.0584**	**0.246**
0.012	**0.019**	**0.041**	**0.026**	**0.063**	**0.0076**	**0.09**
0.0003	< 0.00005 U	< 0.00005 U	**0.0005**	**0.0005**	**0.0003**	**0.0007**
0.25	**0.204**	**0.261**	**0.255**	**0.606**	**0.0716**	**0.205**
< 0.00074 U	< 0.00074 U	< 0.00074 U	< 0.00074 U	**0.0067**	< 0.00074 U	< 0.00074 U

AIP MNOP Site IGW-047 1/1/1996 IGW-47-19960101-01 IGW-047-19960101 - N	AIP MNOP Site IGW-048 1/1/1996 IGW-48-19960101-01 IGW-048-19960101 - N	AIP MNOP Site IGW-049 1/1/1996 IGW-49-19960101-01 IGW-049-19960101 - N	AIP MNOP Site IGW-051 1/1/1996 IGW-51-19960101-01 IGW-051-19960101 - N	AIP MNOP Site IGW-052 1/1/1996 IGW-52-19960101-01 IGW-052-19960101 - N	AIP MNOP Site IGW-054 1/1/1996 IGW-54-19960101-01 IGW-054-19960101 - N	AIP MNOP Site IGW-055 1/1/1996 IGW-55-19960101-01 IGW-055-19960101 - N
< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U
< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
0.0013 J	**0.00024 J**	**0.0011 J**	< 0.00016 U	**0.0004 J**	**0.00039 J**	**0.0016 J**
< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U
1.28	**0.351**	**0.63**	**0.258**	**0.627**	**0.675**	**2.77**
0.167	**0.0758**	**0.214**	**0.082**	**0.437**	**0.316**	**0.86**
0.05	**0.017**	**0.053**	**0.004**	**0.075**	**0.017**	**0.045**
0.003	< 0.00005 U	**0.0003**	**0.0002 J**	< 0.00005 U	< 0.00005 U	**0.0003**
0.194	**0.116**	**0.136**	**0.0894**	**0.208**	**0.151**	**0.891**
< 0.00074 U	**0.0026 J**	< 0.00074 U	**0.0027 J**	< 0.00074 U	< 0.00074 U	< 0.00074 U

AIP MNOP Site IGW-056 1/1/1996 IGW-56-19960101-01 IGW-056-19960101 - N	AIP MNOP Site IGW-057 1/1/1996 IGW-57-19960101-01 IGW-057-19960101 - N	AIP MNOP Site IGW-058 1/1/1996 IGW-58-19960101-01 IGW-058-19960101 - N	AIP MNOP Site IGW-060 1/1/1996 IGW-60-19960101-01 IGW-060-19960101 - N	AIP MNOP Site IGW-060 1/1/1996 IGW-60-ADUP-19960101-01 IGW-060-19960101 - FD	AIP MNOP Site IGW-061 1/1/1996 IGW-61-19960101-01 IGW-061-19960101 - N	AIP MNOP Site IGW-063 1/1/1996 IGW-63-19960101-01 IGW-063-19960101 - N
< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U
< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
0.0019 J	**0.00047 J**	**0.001 J**	**0.00017 J**	**0.00029 J**	**0.00483**	**0.00018 J**
0.0021 J	< 0.0019 U	< 0.0019 U	< 0.0019 U	< 0.0019 U	**0.0126**	**0.0119**
0.512	**0.689**	**2.47**	**0.434**	**0.421**	**1**	**0.864**
2.14	**0.173**	**0.482**	**0.0517**	**0.0446**	**0.382**	**0.081**
0.065	**0.028**	**0.204**	**0.0043**	**0.0038**	**0.22**	**0.017**
0.0005	< 0.00005 U	< 0.00005 U	< 0.00005 U	< 0.00005 U	**0.0032**	< 0.00005 U
0.133	**0.2**	**0.606**	**0.214**	**0.195**	**0.229**	**0.377**
< 0.00074 U	< 0.00074 U	< 0.00074 U	< 0.00074 U	< 0.00074 U	**0.0046 J**	< 0.00074 U

AIP MNOP Site MW-31 11/2/1998 MW31-GW1-WG-19981102 MW-31-19981102 - N	AIP MNOP Site MW-32 10/28/1998 MW32-DP-WG-19981028 MW-32-19981028 - FD	AIP MNOP Site MW-32 10/28/1998 MW32-GW1-WG-19981028 MW-32-19981028 - N	AIP MNOP Site MW-33 10/28/1998 MW33-GW1-WG-19981028 MW-33-19981028 - N	AIP MNOP Site MW-34R 11/2/1998 MW34R-GW1-WG-19981102 MW-34R-19981102 - N	AIP MNOP Site MW-35 11/2/1998 MW35-GW1-WG-19981102 MW-35-19981102 - N
< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0025 U
< 0.004 U	< 0.004 U	< 0.004 U	< 0.004 U	< 0.004 U	< 0.004 U
< 0.00013 U	< 0.013 U	**0.00017 B**	< 0.00013 U	< 0.00013 U	< 0.00013 U
< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U
0.0043 B	**0.0088 B**	**0.0079 B**	**0.0039 B**	**0.004 B**	**0.0036 B**
0.0042 B	**0.0069 B**	**0.0051 B**	**0.0027 B**	**0.0031 B**	**0.0057 B**
0.0025 B	**0.0066**	**0.0056**	< 0.0015 U	**0.0017 B**	**0.0023 B**
< 0.00001 U	**0.00032**	**0.00031**	< 0.00010 U	< 0.00010 U	< 0.00010 U
0.003 B	**0.0031 B**	**0.0025 B**	**0.0071 B**	**0.0055 B**	**0.0054 B**
< 0.0029 U	< 0.0024 U	**0.0041 B**	< 0.0013 U	< 0.0025 U	< 0.0025 U
< 0.00086 U	< 0.002 U	< 0.002 U	< 0.0026 U	< 0.00066 U	< 0.00086 U

AIP MNOP Site MW-38 11/3/1998 MW38-GW1D-WG-19981103 MW-38-19981103 - N	AIP MNOP Site MW-38 11/3/1998 MW38-GW1-WG-19981103 MW-38-19981103 - N	AIP MNOP Site MW-39 11/9/1998 MW39-GW1-WG-19981109 MW-39-19981109 - N	AIP MNOP Site MW-40 11/9/1998 MW40-GW1-WG-19981109 MW-40-19981109 - N	AIP MNOP Site MW-42 11/3/1998 MW42-DP-WG-19981103 MW-42-19981103 - FD	AIP MNOP Site MW-42 11/3/1998 MW42-GW1-WG-19981103 MW-42-19981103 - N
	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.00250 U
	< 0.004 U	< 0.004 U	< 0.004 U	< 0.004 U	< 0.004 U
	< 0.013 U	< 0.00013 U	< 0.013 U	< 0.00013 U	< 0.00013 U
	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U
	0.0102	**0.00084 B**	< 0.0007 U	**0.0016 B**	**0.0019 B**
	0.0077 B	< 0.00074 U	< 0.00074 U	**0.0013 B**	**0.0015 B**
	0.0025 B	< 0.0015 U	< 0.0015 U	< 0.0015 U	< 0.00150 U
< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U
	0.011 B	< 0.0011 U	< 0.0011 U	**0.0028 B**	**0.0028 B**
	< 0.0025 U	**0.0031 B**	**0.0032 B**	< 0.0025 U	< 0.0025 U
	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.086 U	< 0.00086 U

AIP MNOP Site MW-43 11/3/1998 MW43-GW1-WG-19981103 MW-43-19981103 - N	AIP MNOP Site MW-43 11/9/1998 MW43-GW1L-WG-19981109 MW-43-19981109 - N	AIP MNOP Site MW-44 11/4/1998 MW44-GW1-WG-19981104 MW-44-19981104 - N	AIP MNOP Site MW-45 5/16/2009 R4-C092302-11 MW-45-20090516 - N	AIP MNOP Site MW-47 11/9/1998 MW47-GW1-WG-19981109 MW-47-19981109 - N	AIP MNOP Site MW-48 11/5/1998 MW48-GW1-WG-19981105 MW-48-19981105 - N
			0.92		
< 0.0025 U		< 0.0025 U	< 0.06 U	< 0.0025 U	< 0.0025 U
< 0.004 U		< 0.004 U	< 0.01 U	< 0.004 U	< 0.004 U
			0.022 J,O		
< 0.013 U		< 0.00013 U	< 0.0050 U	< 0.00013 U	< 0.00013 U
< 0.0011 U		< 0.0011 U	< 0.0050 U	< 0.0011 U	< 0.0011 U
			3 J,O		
0.0105		**0.0152**	**0.0025 J,O**	**0.00089 B**	**0.00200 B**
			< 0.05 U,J,O		
0.0075 B		**0.0051 B**	**0.0032 J,O**	< 0.00074 U	**0.00081 B**
			< 0.01 U		
			10		
0.0022 B		**0.0043**	**0.0019 J,O**	< 0.0015 U	< 0.0015 U
			1.4 J,O		
			0.11		
< 0.00010 U		< 0.00010 U	< 0.00020 U	< 0.00010 U	< 0.00010 U
0.0082 B		**0.0137 B**	< 0.04 U	< 0.0011 U	< 0.0011 U
			2 J,O		
< 0.0025 U		< 0.0028 U	< 0.035 U	< 0.0025 U	< 0.0025 U
< 0.00086 U	< 0.0043 U	< 0.00100 U	< 0.01 U	< 0.00086 U	**0.00100 B**
			6.6		

AIP MNOP Site MW-57 11/4/1998 MW57-GW1-WG-19981104 MW-57-19981104 - N	AIP MNOP Site MW-57 5/16/2009 R4-C092302-12 MW-57-20090516 - N	AIP MNOP Site MW-57 5/16/2009 R4-C092302-13 MW-57-20090516 - FD	AIP MNOP Site MW-60 11/4/1998 MW60-GW1-WG-19981104 MW-60-19981104 - N	AIP MNOP Site MW-68 11/6/1998 MW68-GW1-WG-19981106 MW-68-19981106 - N	AIP MNOP Site MW-73 11/4/1998 MW73-GW1-WG-19981104 MW-73-19981104 - N	AIP MNOP Site PZ-003 11/5/1998 PZ-3-WG-19981105 PZ-003-19981105 - N
	0.46	**0.4**				
< 0.0025 U	< 0.06 U	< 0.06 U	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0025 U
< 0.004 U	< 0.01 U	< 0.01 U	< 0.004 U	< 0.004 U	< 0.004 U	**0.0042 B**
	0.028 J,O	**0.028 J,O**				
< 0.013 U	< 0.0050 U	< 0.0050 U	< 0.00013 U	< 0.00013 U	< 0.013 U	< 0.017 U
< 0.0011 U	< 0.0050 U	< 0.0050 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U
	2.4 J,O	**2.4 J,O**				
0.0019 B	**0.0032 J,O**	**0.0032 J,O**	**0.00100 B**	**0.0016 B**	**0.00074 B**	**0.0113**
	< 0.05 U,J,O	< 0.05 U,J,O				
0.0012 B	**0.0046 J,O**	**0.0047 J,O**	**0.0012 B**	< 0.00074 U	**0.00086 B**	**0.0078 B**
	< 0.01 U	< 0.01 U				
	0.81	**0.75**				
< 0.0015 U	**0.0020 J,O**	< 0.01 U	< 0.0015 U	< 0.00150 U	< 0.0015 U	**0.0061**
	1.4 J,O	**1.4 J,O**				
	0.062	**0.062**				
< 0.00010 U	< 0.00020 U	< 0.00020 U	< 0.00010 U	< 0.00010 U	< 0.00001 U	**0.00016 B**
0.0012 B	< 0.04 U,J,O	< 0.04 U,J,O	< 0.00110 U	< 0.0011 U	< 0.0011 U	**0.005 B**
	1.6 J,O	**1.5 J,O**				
< 0.0025 U	< 0.035 U	< 0.035 U	< 0.0025 U	< 0.0025 U	< 0.0027 U	< 0.0025 U
0.00088 B	< 0.01 U	< 0.01 U	< 0.00086 U	< 0.00086 U	**0.0011 B**	**0.0011 B**
	4.9 J,O	**4.9 J,O**				

AIP MNOP Site PZ-005 11/12/1998 PZ-5-WG-19981112 PZ-005-19981112 - N	AIP South of Site MW-64 1/1/1998 MW-64-GW1-19980101 MW-64-19980101 - N	AIP South of Site MW-66 11/12/1998 MW-66-GW1-WG-19981112 MW-66-19981112 - N	AIP South of Site MW-66 5/17/2009 R4-C092302-14 MW-66-20090517 - N	AIP South of Site MW-67 11/6/1998 MW67-GW1L-WG-19981106 MW-67-19981106 - N	AIP South of Site MW-67 11/12/1998 MW67-GW1-WG-19981112 MW-67-19981112 - N	AIP South of Site MW-70 5/17/2009 R4-C092302-15 MW-70-20090517 - N
			0.18 J,O			**1.5**
< 0.0029 U	< 0.0025 U	< 0.0026 U	< 0.06 U	< 0.01227 U	< 0.0025 U	< 0.06 U
< 0.004 U	< 0.004 U	< 0.004 U	< 0.01 U	< 0.02000 U	< 0.00400 U	< 0.01 U
			0.034 J,O			**0.064 J,O**
0.017 B	< 0.00013 U	< 0.013 U	< 0.0050 U	< 0.00067 U	< 0.00013 U	< 0.0050 U
< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0050 U	< 0.0057 U	< 0.00110 U	< 0.0050 U
			7.7			**8.6**
0.0033 B	< 0.0007 U	**0.0033 B**	**0.0023 J,O**	< 0.0035 U	< 0.00070 U	**0.0064 J,O**
			< 0.05 U			< 0.05 U,J,O
0.0023 B	< 0.00074 U	< 0.074 U	< 0.025 U	< 0.0037 U	< 0.00074 U	**0.0096 J,O**
			< 0.01 U			< 0.01 U
			0.13			**1.4**
< 0.0055 U	< 0.0015 U	< 0.003 U	< 0.01 U	< 0.0075 U	< 0.00150 U	**0.0067 J,O**
			2.4 J,O			**0.95 J,O**
			0.036			**0.027**
< 0.00010 U	< 0.0001 U	< 0.00001 U	< 0.00020 U		< 0.00010 U	< 0.00020 U,J,O
0.0016 B	< 0.0011 U	**0.0016 B**	< 0.04 U	< 0.00544 U	< 0.00110 U	**0.0072 J,O**
			2.8 J,O			**0.65 J,O**
< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.035 U	< 0.01259 U	< 0.00250 U	< 0.035 U
< 0.00086 U	< 0.00086 U	< 0.056 U	< 0.01 U	< 0.0043 U	< 0.00086 U	< 0.01 U
			7.7			**7.1**

AIP South of Site MW-80 5/20/2009 R4-C092302-17 MW-80-20090520 - N	FML LANDFILL OU2 MW-09 5/20/2009 R4-C092303-04 MW-09-20090520 - N	FML LANDFILL OU2 MW-10 5/20/2009 R4-C092303-05 MW-10-20090520 - N	FML LANDFILL OU2 MW-19 5/19/2009 R4-C092303-06 MW-19-20090519 - N
0.53	**3.9**	**3.1**	**11**
< 0.06 U	< 0.06 U	< 0.06 U	< 0.06 U
< 0.01 U	< 0.01 U	**0.0038 J,O**	**0.0025 J,O**
0.035 J,O	**0.048 J,O**	**0.076 J,O**	**0.13 J,O**
< 0.0050 U	< 0.0050 U	< 0.0050 U	**0.00059 J,O**
< 0.0050 U	< 0.0050 U,J,O	< 0.0050 U,J,O	< 0.0050 U,J,O
1.6 J,O	**22**	**53**	**1.4 J,O**
< 0.01 U	**0.0053 J,O**	**0.0050 J,O**	**0.012**
< 0.05 U,J,O	< 0.05 U,J,O	< 0.05 U	< 0.05 U,J,O
0.0029 J,O	**0.0022 J,O**	**0.0027 J,O**	**0.0074 J,O**
< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
0.061 J,O	**13**	**2.6**	**16**
< 0.01 U	**0.0060 J,O**	**0.0073 J,O**	**0.013**
1.4 J,O	**2.5 J,O**	**2.5 J,O**	**0.93 J,O**
0.048	**0.11**	**0.13**	**0.47**
0.00041	< 0.00020 U,J,O	< 0.00020 U,J,O	**0.00040**
0.0012 J,O	**0.0022 J,O**	**0.0030 J,O**	**0.0025 J,O**
1.6 J,O	**1.1 J,O**	**1.7 J,O**	**1.2 J,O**
< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
15	**19**	**28**	**8.2**

Thallium	7440-28-0	mg/L	< 0.00079 U	**0.0029 J**	< 0.004 U	< 0.004 U
Vanadium	7440-62-2	mg/L				
Zinc	7440-66-6	mg/L	< 0.0393 U	**0.205**	**0.11000**	**0.0193 B**
PCBs (ug/L)						
Aroclor 1016	12674-11-2	ug/L				
Aroclor 1221	11104-28-2	ug/L				
Aroclor 1232	11141-16-5	ug/L				
Aroclor 1242	53469-21-9	ug/L				
Aroclor 1248	12672-29-6	ug/L				
Aroclor 1254	11097-69-1	ug/L				
Aroclor 1260	11096-82-5	ug/L				
Aroclor 1262	37324-23-5	ug/L				
Aroclor 1268	11100-14-4	ug/L				
Pesticides (ug/L)						
4,4'-DDD	72-54-8	ug/L				
4,4'-DDE	72-55-9	ug/L				
4,4'-DDT	50-29-3	ug/L				
Aldrin	309-00-2	ug/L				
alpha-BHC/HCH	319-84-6	ug/L				
alpha-Chlordane	5103-71-9	ug/L				
beta-BHC/HCH	319-85-7	ug/L				
Chlorinated camphene/ Toxaphene	8001-35-2	ug/L				
cis-Heptachlor epoxide	1024-57-3	ug/L				
delta-BHC/HCH	319-86-8	ug/L				
Dieldrin	60-57-1	ug/L				
Endosulfan I (Alpha)	959-98-8	ug/L				
Endosulfan II (Beta)	33213-65-9	ug/L				
Endosulfan sulfate	1031-07-8	ug/L				
Endrin	72-20-8	ug/L				
Endrin aldehyde	7421-93-4	ug/L				
Endrin ketone	53494-70-5	ug/L				
gamma-BHC/HCH (Lindane)	58-89-9	ug/L				
gamma-Chlordane	5566-34-7	ug/L				
Heptachlor	76-44-8	ug/L				
Methoxychlor	72-43-5	ug/L				

< 0.004 U	< 0.025 U	< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 U
	0.053					
0.0752	< 0.06 U,J,O	**0.425**	**0.583**	**0.194**	**0.211**	**0.211**

	< 1.0 U					
	< 1.0 U					
	< 1.0 U					
	< 1.0 U					
	< 1.0 U					
	< 1.0 U					
	< 1.0 U					
	< 1.0 U					
	< 1.0 U					

	< 0.10 U					
	< 0.10 U					
	< 0.10 U					
	< 0.050 U					
	< 0.050 U					
	< 0.050 U					
	< 0.050 U					
	< 5.0 U					
	< 0.050 U					
	< 0.050 U					
	< 0.10 U					
	< 0.050 U					
	< 0.10 U					
	< 0.10 U					
	< 0.10 U					
	< 0.10 U					
	< 0.10 U					
	< 0.050 U					
	< 0.050 U					
	< 0.050 U					
	< 0.50 U					

< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 UJ	< 0.00079 U	< 0.00079 U
0.171	< 0.139 U	< 0.0685 U	< 0.0749 U	< 0.0252 U	**0.0993**	< 0.0449 U

< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 U
0.0682	**0.0691**	**0.0837**	**0.175**	**0.124**	**0.107**	< 0.0505 U

< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 UJ
0.126	< 0.0348 U	**0.136**	**0.284**	< 0.0625 U	< 0.0371 U	**0.261**

< 0.00079 U	< 0.00079 UJ	< 0.00079 UJ	< 0.00079 UJ	< 0.00079 U	< 0.00079 U	< 0.00079 U
< 0.0539 U	**0.0232**	**0.157**	< 0.015 U	< 0.027 UJ	< 0.019 UJ	< 0.0872 U

< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 U
< 0.0343 U	< 0.0497 U	**0.226**	**0.0969**	**0.0769**	< 0.0406 U	**0.182**

< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 U
0.064	< 0.0491 U	**0.187**	**0.0796**	< 0.0494 U	< 0.0518 U	< 0.106 U

< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 U	< 0.00079 U
0.181	< 0.0661 U	< 0.0475 U	< 0.0371 U	< 0.0348 U	**0.34**	< 0.0629 U

< 0.004 U	< 0.004 U	< 0.004 U	< 0.004 U	< 0.004 U	< 0.004 U
0.0157 B	**0.024**	**0.0168 B**	**0.0128 B**	**0.0133 B**	**0.128**

	< 0.004 U	< 0.004 U	< 0.004 U	< 0.004 U	< 0.004 U
	0.028	< 0.0026 U	**0.0321**	**0.0142 B**	**0.0147 B**

< 0.004 U		< 0.004 U	< 0.025 U	< 0.004 U	< 0.004 U
			0.0052 J,O		
0.0235	**0.02971**	**0.0473**	< 0.06 U,J,O	**0.0031 B**	**0.004 B**

< 0.004 U	< 0.025 U	< 0.025 U	< 0.004 U	< 0.004 U	< 0.004 U	< 0.004 U
	0.0035 J,O	**0.0032 J,O**				
0.01010 B	< 0.06 U	< 0.06 U	**0.0859**	**0.0063 B**	**0.0637**	**0.00680 B**

< 0.004 U	< 0.004 U	< 0.004 U	< 0.025 U	< 0.01987 U	< 0.00400 U	< 0.025 U
			< 0.05 U			**0.0097 J,O**
0.0172 B	**0.00280**	**0.376**	< 0.06 U,J,O	< 0.01304 U	< 0.00260 U	< 0.06 U,J,O

< 0.025 U	< 0.025 U	< 0.025 U	**0.0020 J,O**
< 0.05 U	**0.011 J,O**	**0.011 J,O**	**0.035 J,O**
< 0.06 U,J,O	< 0.06 U,J,O	< 0.06 U,J,O	< 0.06 U,J,O
< 1.0 U	< 1.1 U	< 1.0 U	< 1.1 U,J,O
< 1.0 U	< 1.1 U	< 1.0 U	< 1.1 U,J,O
< 1.0 U	< 1.1 U	< 1.0 U	< 1.1 U,J,O
< 1.0 U	< 1.1 U	< 1.0 U	< 1.1 U,J,O
< 1.0 U	< 1.1 U	< 1.0 U	**0.30 J,O**
< 1.0 U	< 1.1 U	< 1.0 U	< 1.1 U,J,O
< 1.0 U	< 1.1 U	< 1.0 U	< 1.1 U,J,O
< 1.0 U	< 1.1 U	< 1.0 U	< 1.1 U,J,O
< 1.0 U	< 1.1 U	< 1.0 U	< 1.1 U,J,O
< 0.10 U	< 0.11 U	< 0.11 U	< 0.10 U
< 0.10 U	< 0.11 U	< 0.11 U	< 0.10 U
< 0.10 U	< 0.11 U	< 0.11 U	< 0.10 U
< 0.050 U	< 0.054 U	< 0.053 U	< 0.050 U
< 0.050 U	< 0.054 U	< 0.053 U	< 0.050 U
< 0.050 U	< 0.054 U	< 0.053 U	< 0.050 U
< 0.050 U	< 0.054 U	< 0.053 U	< 0.050 U
< 5.0 U	< 5.4 U	< 5.3 U	< 5.0 U
< 0.050 U	< 0.054 U	< 0.053 U	< 0.050 U
< 0.050 U	< 0.054 U	< 0.053 U	< 0.050 U
< 0.10 U	< 0.11 U	**0.081 NJ,O**	< 0.10 U
< 0.050 U	< 0.054 U	< 0.053 U	< 0.050 U
< 0.10 U	< 0.11 U	< 0.11 U	< 0.10 U
< 0.10 U	< 0.11 U	< 0.11 U	< 0.10 U
< 0.10 U	< 0.11 U	< 0.11 U	< 0.10 U
< 0.10 U	< 0.11 U	< 0.11 U	< 0.10 U
< 0.10 U	< 0.11 U	< 0.11 U	< 0.10 U
< 0.050 U	< 0.054 U	< 0.053 U	< 0.050 U
< 0.050 U	< 0.054 U	< 0.053 U	< 0.050 U
< 0.050 U	< 0.054 U	< 0.053 U	< 0.050 U
< 0.50 U	< 0.54 U	< 0.53 U	< 0.50 U

NOTES:

U = analyte not detected above the reference reporting limit

J = estimated concentration

O = qualifier indicating the reported value is estimated due to the presence of interference or quality exception.

Table D2
Groundwater Sample Results Summary: PAHs
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

		Subfacility	AIP	AIP	AIP	AIP
		Area	Background (Site)	MNOP Site	MNOP Site	MNOP Site
		Location	MW-30	IGW-066	IGW-074	IGW-074
		Sample Date	5/16/2009	1/1/1998	1/1/1998	1/1/1998
		Sample ID	R4-C092302-16	IGW-66-19980101-01	IGW-74-01-19980101-01	IGW-74-01A-19980101-01
		ERM Sample ID	MW-30-20090516	IGW-066-19980101	IGW-074-19980101	IGW-074-19980101
		Sample Interval	-	-	-	-
		Sample Type	N	N	N	N
Chemical Name	**CAS No.**	**Units**				
PAHs (ug/L)						
2-Methylnaphthalene	91-57-6	ug/L	< 5.0 U	< 10.3 U	< 41.7 U	< 43 U
Acenaphthene	83-32-9	ug/L	< 5.0 U	< 10.3 U	< 41.7 U	< 43 U
Acenaphthylene	208-96-8	ug/L	< 5.0 U	< 10.3 U	< 41.7 U	< 43 U
Anthracene	120-12-7	ug/L	< 5.0 U	< 10.3 U	< 41.7 U	< 43 U
Benzo(a)anthracene	56-55-3	ug/L	< 5.0 U	< 10.3 U	< 41.7 U	< 43 U
Benzo(a)pyrene	50-32-8	ug/L	< 5.0 U,J,O	< 10.3 U	< 41.7 U	< 43 U
Benzo(b)fluoranthene	205-99-2	ug/L	< 5.0 U,J,O	< 10.3 U	< 41.7 U	< 43 U
Benzo(g,h,i)perylene	191-24-2	ug/L	< 5.0 U,J,O	< 10.3 U	< 41.7 U	< 43 U
Benzo(k)fluoranthene	207-08-9	ug/L	< 5.0 U,J,O	< 10.3 U	< 41.7 U	< 43 U
Chrysene	218-01-9	ug/L	< 5.0 U	< 10.3 U	< 41.7 U	< 43 U
Dibenzo(a,h)anthracene	53-70-3	ug/L	< 5.0 U,J,O	< 10.3 U	< 41.7 U	< 43 U
Fluoranthene	206-44-0	ug/L	< 5.0 U	< 10.3 U	< 41.7 U	< 43 U
Fluorene	86-73-7	ug/L	< 5.0 U	< 10.3 U	< 41.7 U	< 43 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/L	< 5.0 U,J,O	< 10.3 U	< 41.7 U	< 43 U
Naphthalene	91-20-3	ug/L	< 5.0 U	< 10.3 U	< 41.7 U	< 43 U
Phenanthrene	85-01-8	ug/L	< 5.0 U	< 10.3 U	< 41.7 U	< 43 U
Pyrene	129-00-0	ug/L	< 5.0 U	< 10.3 U	< 41.7 U	< 43 U

NOTES:
U = analyte not detected above the reference reporting limit
J = estimated concentration
O = qualifier indicating the reported value is estimated due to the presence of interference or quality exception.

AIP MNOP Site IGW-089 1/1/1998 IGW-89-01-19980101-01 IGW-089-19980101 - N	AIP MNOP Site IGW-098 1/1/1998 IGW-98-01-19980101-01 IGW-098-19980101 - N	AIP MNOP Site IGW-099 1/1/1998 IGW-99-19980101-01 IGW-099-19980101 - N	AIP MNOP Site IGW-100 1/1/1998 IGW-100-19980101-01 IGW-100-19980101 - N	AIP MNOP Site MW-32 10/28/1998 MW32-DP-WG-19981028 MW-32-19981028 - FD	AIP MNOP Site MW-32 10/28/1998 MW32-GW1-WG-19981028 MW-32-19981028 - N	AIP MNOP Site MW-35 11/2/1998 MW35-GW1-WG-19981102 MW-35-19981102 - N
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U	< 11.2 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U	< 11.2 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U	< 11.2 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U	< 11.2 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U	< 11.2 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U	< 11.2 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U	< 11.2 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U	< 11.2 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U	< 11.2 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U	< 11.2 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U	< 11.2 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U	< 11.2 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U	< 11.2 U
< 40.4 U	< 40.8 u	< 10.3 U	< 10.8 U	< 10 U	< 10 U	< 11.2 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U	< 11.2 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U	< 11.2 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U	< 11.2 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U	< 11.2 U

AIP MNOP Site MW-39 11/9/1998 MW39-GW1-WG-19981109 MW-39-19981109 - N	AIP MNOP Site MW-42 11/3/1998 MW42-DP-WG-19981103 MW-42-19981103 - FD	AIP MNOP Site MW-42 11/3/1998 MW42-GW1-WG-19981103 MW-42-19981103 - N	AIP MNOP Site MW-45 11/9/1998 MW45-GW1-WG-19981109 MW-45-19981109 - N	AIP MNOP Site MW-47 11/9/1998 MW47-GW1-WG-19981109 MW-47-19981109 - N	AIP MNOP Site MW-48 11/5/1998 MW48-GW1-WG-19981105 MW-48-19981105 - N
< 10 U	< 10 U	< 10 U	**0.93 J**	< 10 U	< 10.3 U
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.3 U
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.3 U
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.3 U
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.3 U
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.3 U
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.3 U
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.3 U
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.3 U
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.3 U
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.3 U
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.3 U
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.3 U
< 10 U	< 10 U	< 10 U	**2.3 J**	< 10 U	< 10.3 U
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.30 U
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.3 U

AIP MNOP Site MW-49 11/4/1998 MW49-GW1-WG-19981104 MW-49-19981104 - N	AIP MNOP Site MW-58 11/6/1998 MW58-GW1-WG-19981106 MW-58-19981106 - N	AIP MNOP Site MW-62 11/4/1998 MW62-GW1-WG-19981104 MW-62-19981104 - N	AIP MNOP Site MW-71 11/6/1998 MW71-GW1-WG-19981106 MW-71-19981106 - N	AIP MNOP Site MW-73 11/4/1998 MW73-GW1-WG-19981104 MW-73-19981104 - N	AIP MNOP Site PZ-006 11/11/1998 PZ-6-WG-19981111 PZ-006-19981111 - N
< 9.9 U	< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U
< 9.9 U	< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U
< 9.9 U	< 9.9 U	< 10.80 U	< 9.9 U	< 10.4 U	< 10 U
< 9.9 U	< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U
< 9.9 U	< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U
< 9.9 U	< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U
< 9.9 U	< 9.9 U	< 10.80 U	< 9.9 U	< 10.4 U	< 10 U
< 9.9 U	< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U
< 9.9 U	< 9.9 U	< 10.80 U	< 9.9 U	< 10.4 U	< 10 U
< 9.9 U	< 50 U	< 10 U	< 9.9 U	< 10.4 U	< 10 U
< 9.90 U	< 9.9 U	< 10.80 U	< 9.9 U	< 10.4 U	< 10 U
< 9.9 U	< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U
< 9.9 U	< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U
< 9.90 U	< 9.9 U	< 10.8 U	< 9.9 U	< 10.40 U	< 10 U
< 9.9 U	< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U
< 9.9 U	< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U
< 9.9 U	< 9.9 U	< 10.80 U	< 9.9 U	< 10.4 U	< 10 U

AIP South of Site MW-66 11/12/1998 MW-66-GW1-WG-19981112 MW-66-19981112 - N	AIP South of Site MW-80 5/20/2009 R4-C092302-17 MW-80-20090520 - N	FML LANDFILL OU2 MW-09 5/20/2009 R4-C092303-04 MW-09-20090520 - N	FML LANDFILL OU2 MW-10 5/20/2009 R4-C092303-05 MW-10-20090520 - N	FML LANDFILL OU2 MW-19 5/19/2009 R4-C092303-06 MW-19-20090519 - N
< 10 U	< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 10 U	< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 10 U	< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 10 U	< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 10 U	< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 10 U	< 4.6 U	< 5.6 U,J,O	< 5.4 U	< 5.0 U,J,O
< 10 U	< 4.6 U	< 5.6 U,J,O	< 5.4 U	< 5.0 U,J,O
< 10 U	< 4.6 U	< 5.6 U,J,O	< 5.4 U	< 5.0 U,J,O
< 10 U	< 4.6 U	< 5.6 U,J,O	< 5.4 U	< 5.0 U,J,O
< 10 U	< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 10 U	< 4.6 U	< 5.6 U,J,O	< 5.4 U	< 5.0 U,J,O
< 10 U	< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 10 U	< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 10 U	< 4.6 U	< 5.6 U,J,O	< 5.4 U	< 5.0 U,J,O
< 10.00 U	< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 10 U	< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 10 U	< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U

Table D3
Groundwater Sample Results Summary: SVOCs
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

			Subfacility	AIP	AIP	AIP	AIP	AIP
			Area	Background (Site)	Background (Site)	Background (Site)	MNOP Site	MNOP Site
			Location	IGW-018	IGW-062	MW-30	IGW-001	IGW-002
			Sample Date	1/1/1996	1/1/1996	5/16/2009	1/1/1996	1/1/1996
			Sample ID	IGW-18-19960101-01	IGW-62-19960101-01	R4-C092302-16	IGW-1-19960101-01	IGW-2-19960101-01
			ERM Sample ID	IGW-018-19960101	IGW-062-19960101	MW-30-20090516	IGW-001-19960101	IGW-002-19960101
			Sample Interval	-	-	-	-	-
			Sample Type	N	N	N	N	N
Chemical Name	**CAS No.**	**Units**						
SVOCs (ug/L)								
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L			< 5.0 U		
2,2-Oxybis(1-chloropropane)	108-60-1	ug/L					
2,2-Oxybis(2-chloropropane)	39638-32-9	ug/L			< 5.0 U,J,O		
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L			< 5.0 U		
2,4,5-Trichlorophenol	95-95-4	ug/L			< 5.0 U		
2,4,6-Trichlorophenol	88-06-2	ug/L			< 5.0 U		
2,4-Dichlorophenol	120-83-2	ug/L			< 5.0 U		
2,4-Dimethylphenol	105-67-9	ug/L			< 5.0 U		
2,4-Dinitrophenol	51-28-5	ug/L			< 10 U		
2,4-Dinitrotoluene	121-14-2	ug/L			< 5.0 U		
2,6-Dinitrotoluene	606-20-2	ug/L	< 4.1 U	< 4.1 U	< 5.0 U	< 4.1 U	< 4.1 U
2-Chloronaphthalene	91-58-7	ug/L			< 5.0 U		
2-Chlorophenol	95-57-8	ug/L			< 5.0 U		
2-Nitroaniline	88-74-4	ug/L			< 10 U		
2-Nitrophenol	88-75-5	ug/L			< 5.0 U		
3,3'-Dichlorobenzidine	91-94-1	ug/L			< 5.0 U		
3-Nitroaniline	99-09-2	ug/L			< 10 U,J,O		
4-Bromophenyl phenyl ether	101-55-3	ug/L			< 5.0 U		
4-Chloro-3-methylphenol	59-50-7	ug/L			< 5.0 U		
4-Chlorophenyl phenyl ether	7005-72-3	ug/L			< 5.0 U		
4-Nitroaniline	100-01-6	ug/L			< 10 U,J,O		

AIP MNOP Site IGW-002 1/1/1996 IGW-2-ADUP-19960101-01 IGW-002-19960101 - FD	AIP MNOP Site IGW-003 1/1/1996 IGW-3-19960101-01 IGW-003-19960101 - N	AIP MNOP Site IGW-005 1/1/1996 IGW-5-19960101-01 IGW-005-19960101 - N	AIP MNOP Site IGW-006 1/1/1996 IGW-6-19960101-01 IGW-006-19960101 - N	AIP MNOP Site IGW-008 1/1/1996 IGW-8-19960101-01 IGW-008-19960101 - N	AIP MNOP Site IGW-009 1/1/1996 IGW-9-19960101-01 IGW-009-19960101 - N	AIP MNOP Site IGW-010 1/1/1996 IGW-10-19960101-01 IGW-010-19960101 - N
< 4.1 U	< 4.1 UJ	< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U

AIP MNOP Site IGW-011 1/1/1996 IGW-11-19960101-01 IGW-011-19960101 - N	AIP MNOP Site IGW-012 1/1/1996 IGW-12-19960101-01 IGW-012-19960101 - N	AIP MNOP Site IGW-014 1/1/1996 IGW-14-19960101-01 IGW-014-19960101 - N	AIP MNOP Site IGW-015 1/1/1996 IGW-15-19960101-01 IGW-015-19960101 - N	AIP MNOP Site IGW-016 1/1/1996 IGW-16-19960101-01 IGW-016-19960101 - N	AIP MNOP Site IGW-017 1/1/1996 IGW-17-19960101-01 IGW-017-19960101 - N	AIP MNOP Site IGW-021 1/1/1996 IGW-21-19960101-01 IGW-021-19960101 - N
< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U

AIP MNOP Site IGW-022 1/1/1996 IGW-22-19960101-01 IGW-022-19960101 - N	AIP MNOP Site IGW-023 1/1/1996 IGW-23-19960101-01 IGW-023-19960101 - N	AIP MNOP Site IGW-024 1/1/1996 IGW-24-19960101-01 IGW-024-19960101 - N	AIP MNOP Site IGW-025 1/1/1996 IGW-25-19960101-01 IGW-025-19960101 - N	AIP MNOP Site IGW-026 1/1/1996 IGW-26-ADUP-19960101-01 IGW-026-19960101 - N	AIP MNOP Site IGW-027 1/1/1996 IGW-27-19960101-01 IGW-027-19960101 - N	AIP MNOP Site IGW-028 1/1/1996 IGW-28-19960101-01 IGW-028-19960101 - N
< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U

AIP MNOP Site IGW-029 1/1/1996 IGW-29-19960101-01 IGW-029-19960101 - N	AIP MNOP Site IGW-030 1/1/1996 IGW-30-19960101-01 IGW-030-19960101 - N	AIP MNOP Site IGW-032 1/1/1996 IGW-32-19960101-01 IGW-032-19960101 - N	AIP MNOP Site IGW-033 1/1/1996 IGW-33-19960101-01 IGW-033-19960101 - N	AIP MNOP Site IGW-034 1/1/1996 IGW-34-19960101-01 IGW-034-19960101 - N	AIP MNOP Site IGW-035 1/1/1996 IGW-35-19960101-01 IGW-035-19960101 - N	AIP MNOP Site IGW-035 1/1/1996 IGW-35-DDUP-19960101-01 IGW-035-19960101 - FD
< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U

AIP MNOP Site IGW-037 1/1/1996 IGW-37-19960101-01 IGW-037-19960101 - N	AIP MNOP Site IGW-037 1/1/1996 IGW-37DUP-19960101-01 IGW-037-19960101 - FD	AIP MNOP Site IGW-038 1/1/1996 IGW-38-19960101-01 IGW-038-19960101 - N	AIP MNOP Site IGW-039 1/1/1996 IGW-39-19960101-01 IGW-039-19960101 - N	AIP MNOP Site IGW-039 1/1/1996 IGW-39-ADUP-19960101-01 IGW-039-19960101 - FD	AIP MNOP Site IGW-041 1/1/1996 IGW-41-19960101-01 IGW-041-19960101 - N	AIP MNOP Site IGW-042 1/1/1996 IGW-42-19960101-01 IGW-042-19960101 - N
< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U

AIP MNOP Site IGW-043 1/1/1996 IGW-43-19960101-01 IGW-043-19960101 - N	AIP MNOP Site IGW-044 1/1/1996 IGW-44-19960101-01 IGW-044-19960101 - N	AIP MNOP Site IGW-045 1/1/1996 IGW-45-19960101-01 IGW-045-19960101 - N	AIP MNOP Site IGW-047 1/1/1996 IGW-47-19960101-01 IGW-047-19960101 - N	AIP MNOP Site IGW-048 1/1/1996 IGW-48-19960101-01 IGW-048-19960101 - N	AIP MNOP Site IGW-049 1/1/1996 IGW-49-19960101-01 IGW-049-19960101 - N	AIP MNOP Site IGW-051 1/1/1996 IGW-51-19960101-01 IGW-051-19960101 - N
< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U

AIP MNOP Site IGW-052 1/1/1996 IGW-52-19960101-01 IGW-052-19960101 - N	AIP MNOP Site IGW-054 1/1/1996 IGW-54-19960101-01 IGW-054-19960101 - N	AIP MNOP Site IGW-055 1/1/1996 IGW-55-19960101-01 IGW-055-19960101 - N	AIP MNOP Site IGW-056 1/1/1996 IGW-56-19960101-01 IGW-056-19960101 - N	AIP MNOP Site IGW-057 1/1/1996 IGW-57-19960101-01 IGW-057-19960101 - N	AIP MNOP Site IGW-058 1/1/1996 IGW-58-19960101-01 IGW-058-19960101 - N	AIP MNOP Site IGW-060 1/1/1996 IGW-60-19960101-01 IGW-060-19960101 - N
< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U	< 4.1 U

AIP MNOP Site IGW-060 1/1/1996 IGW-60-ADUP-19960101-01 IGW-060-19960101 - FD	AIP MNOP Site IGW-061 1/1/1996 IGW-61-19960101-01 IGW-061-19960101 - N	AIP MNOP Site IGW-063 1/1/1996 IGW-63-19960101-01 IGW-063-19960101 - N	AIP MNOP Site IGW-066 1/1/1998 IGW-66-19980101-01 IGW-066-19980101 - N	AIP MNOP Site IGW-074 1/1/1998 IGW-74-01-19980101-01 IGW-074-19980101 - N	AIP MNOP Site IGW-074 1/1/1998 IGW-74-01A-19980101-01 IGW-074-19980101 - N
			< 10.3 U	< 41.7 U	< 43 U
			< 25.8 U	< 104 U	< 108 U
			< 10.3 U	< 41.7 U	< 43 U
			< 10.3 U	< 41.7 U	< 43 U
			< 10.3 U	< 41.7 U	< 43 U
			< 25.8 U	< 104 U	< 108 U
			< 10.3 U	< 41.7 U	< 43 U
< 4.1 U	< 4.1 U	< 4.1 U	< 10.3 U	< 41.7 U	< 43 U
			< 10.3 U	< 41.7 U	< 43 U
			< 10.3 U	< 41.7 U	< 43 U
			< 25.8 U	< 104 U	< 108 U
			< 10.3 U	< 41.7 U	< 43 U
			< 10.3 UJ	< 41.7 UJ	< 43 UJ
			< 25.8 UJ	< 104 UJ	< 108 UJ
			< 10.3 U	< 41.7 U	< 43 U
			< 10.3 U	< 41.7 U	< 43 U
			< 10.3 U	< 41.7 U	< 43 U
			< 25.8 UJ	< 104 UJ	< 108 UJ

AIP MNOP Site IGW-089 1/1/1998 IGW-89-01-19980101-01 IGW-089-19980101 - N	AIP MNOP Site IGW-098 1/1/1998 IGW-98-01-19980101-01 IGW-098-19980101 - N	AIP MNOP Site IGW-099 1/1/1998 IGW-99-19980101-01 IGW-099-19980101 - N	AIP MNOP Site IGW-100 1/1/1998 IGW-100-19980101-01 IGW-100-19980101 - N	AIP MNOP Site MW-32 10/28/1998 MW32-DP-WG-19981028 MW-32-19981028 - FD	AIP MNOP Site MW-32 10/28/1998 MW32-GW1-WG-19981028 MW-32-19981028 - N
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 101 U	< 102 U	< 25.8 U	< 27 U	< 25 U	< 25 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 101 U	< 102 U	< 25.8 U	< 27 U	< 25 U	< 25 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 101 U	< 102 U	< 25.8 U	< 27 U	< 25 U	< 25 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 UJ	< 40.8 UJ	< 10.3 UJ	< 10.8 UJ	< 10 U	< 10 U
< 101 UJ	< 102 UJ	< 25.8 UJ	< 27 UJ	< 25 U	< 25 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 101 UJ	< 102 UJ	< 25.8 UJ	< 27 UJ	< 25 U	< 25 U

AIP MNOP Site MW-35 11/2/1998 MW35-GW1-WG-19981102 MW-35-19981102 - N	AIP MNOP Site MW-39 11/9/1998 MW39-GW1-WG-19981109 MW-39-19981109 - N	AIP MNOP Site MW-42 11/3/1998 MW42-DP-WG-19981103 MW-42-19981103 - FD	AIP MNOP Site MW-42 11/3/1998 MW42-GW1-WG-19981103 MW-42-19981103 - N	AIP MNOP Site MW-45 11/9/1998 MW45-GW1-WG-19981109 MW-45-19981109 - N	AIP MNOP Site MW-47 11/9/1998 MW47-GW1-WG-19981109 MW-47-19981109 - N
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 28.1 U	< 25 U	< 10 U	< 25 U	< 25 U	< 25 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U		< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 28.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 28.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 28.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 28.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U

AIP MNOP Site MW-47 2/23/2015 R4-E150903-05 MW-47-20150223 - N	AIP MNOP Site MW-48 11/5/1998 MW48-GW1-WG-19981105 MW-48-19981105 - N	AIP MNOP Site MW-48R 2/25/2015 R4-E150903-06 MW-48R-20150225 - N	AIP MNOP Site MW-49 11/4/1998 MW49-GW1-WG-19981104 MW-49-19981104 - N	AIP MNOP Site MW-49 2/24/2015 R4-E150903-07 MW-49-20150224 - N	AIP MNOP Site MW-56 2/24/2015 R4-E150903-08 MW-56-20150224 - N	AIP MNOP Site MW-57 2/24/2015 R4-E150903-03 MW-57-20150224 - N	AIP MNOP Site MW-57 2/24/2015 R4-E150903-04 MW-57-20150224 - N
	< 10 U		< 9.9 U				
	< 25.8 U		< 24.8 U				
	< 10.3 U		< 9.9 U				
	< 10.3 U		< 9.9 U				
	< 10.3 U		< 9.9 U				
	< 25.8 U		< 24.8 U				
	< 10.3 U		< 9.9 U				
	< 10.3 U		< 9.9 U				
	< 10 U		< 9.9 U				
	< 10.3 U		< 9.9 U				
	< 25.8 U		< 24.8 U				
	< 10.3 U		< 9.9 U				
	< 10.3 U		< 9.9 U				
	< 25.8 U		< 24.8 U				
	< 10.3 U		< 9.9 U				
	< 10.3 U		< 9.9 U				
	< 10.3 U		< 9.9 U				
	< 25.8 U		< 24.8 U				

AIP MNOP Site MW-58 11/6/1998 MW58-GW1-WG-19981106 MW-58-19981106 - N	AIP MNOP Site MW-62 11/4/1998 MW62-GW1-WG-19981104 MW-62-19981104 - N	AIP MNOP Site MW-71 11/6/1998 MW71-GW1-WG-19981106 MW-71-19981106 - N	AIP MNOP Site MW-73 11/4/1998 MW73-GW1-WG-19981104 MW-73-19981104 - N	AIP MNOP Site PZ-006 11/11/1998 PZ-6-WG-19981111 PZ-006-19981111 - N	AIP South of Site MW-66 11/12/1998 MW-66-GW1-WG-19981112 MW-66-19981112 - N
< 9.9 U	< 10.80 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 24.80 U	< 26.9 U	< 24.8 U	< 26 U	< 25 U	< 25 U
< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 9.9 U	< 10.80 U	< 9.9 U	< 10.4 U	< 10 U	< 10.00 U
< 24.8 U	< 26.9 U	< 24.8 U	< 26 U	< 25 U	< 25 U
< 9.9 U	< 10.80 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 9.9 U	< 10.80 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 9.9 U	< 10.5 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 24.8 U	< 26.9 U	< 24.8 U	< 26 U	< 25 U	< 25 U
< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 24.8 U	< 26.9 U	< 24.8 U	< 26 U	< 25 U	< 25 U
< 9.9 U	< 10.8 U	< 9.90 U	< 10.4 U	< 10 U	< 10 U
< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 9.9 U	< 10.80 U	< 9.9 U	< 10.40 U	< 10 U	< 10 U
< 24.8 U	< 26.9 U	< 24.8 U	< 26 U	< 25 U	< 25 U

AIP South of Site MW-80 5/20/2009 R4-C092302-17 MW-80-20090520 - N	FML LANDFILL OU2 MW-09 5/20/2009 R4-C092303-04 MW-09-20090520 - N	FML LANDFILL OU2 MW-10 5/20/2009 R4-C092303-05 MW-10-20090520 - N	FML LANDFILL OU2 MW-19 5/19/2009 R4-C092303-06 MW-19-20090519 - N
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 9.3 U	< 11 U	< 11 U	< 10 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 9.3 U	< 11 U	< 11 U	< 10 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 9.3 U	< 11 U	< 11 U	< 10 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 9.3 U	< 11 U	< 11 U	< 10 U

4-Nitrophenol	100-02-7	ug/L			< 10 U		
A,A-Dimethylphenethylamine	122-09-8	ug/L	< 4.4 U	< 4.4 U		< 4.4 U	< 4.4 U
Acetophenone	98-86-2	ug/L			< 5.0 U		
Atrazine	1912-24-9	ug/L			< 5.0 U		
Benzaldehyde	100-52-7	ug/L			< 5.0 U		
Benzyl butyl phthalate	85-68-7	ug/L			< 5.0 U		
Biphenyl	92-52-4	ug/L			< 5.0 U		
Bis(2-chloroethoxy)methane	111-91-1	ug/L			< 5.0 U		
Bis(2-ethylhexyl)phthalate	117-81-7	ug/L	< 26 U	< 26 U	< 5.0 U	< 67 U	< 26 U
Caprolactam	105-60-2	ug/L					
Carbazole	86-74-8	ug/L			< 5.0 U,J,O		
Cresol	1319-77-3	ug/L			< 5.0 U		
Dibenzofuran	132-64-9	ug/L			< 5.0 U		
Dibutyl phthalate	84-74-2	ug/L			< 5.0 U		
Dichloroethyl ether	111-44-4	ug/L			< 5.0 U		
Diethyl phthalate	84-66-2	ug/L			< 5.0 U		
Dimethyl phthalate	131-11-3	ug/L			< 5.0 U		
Dinitro-o-cresol	534-52-1	ug/L			< 10 U		
Di-n-octyl phthalate	117-84-0	ug/L			< 5.0 U		
Diphenylamine	122-39-4	ug/L			< 5.0 U		
Hexachlorobenzene	118-74-1	ug/L			< 5.0 U		
Hexachlorobutadiene	87-68-3	ug/L			< 5.0 U		
Hexachlorocyclopentadiene	77-47-4	ug/L			< 5.0 U		
Hexachloroethane	67-72-1	ug/L			< 5.0 U		
Isophorone	78-59-1	ug/L			< 5.0 U		
m,p-cresol	65794-96-9	ug/L					
Nitrobenzene	98-95-3	ug/L			< 5.0 U		
n-Nitrosodi-n-propylamine	621-64-7	ug/L			< 5.0 U		
n-Nitrosodiphenylamine	86-30-6	ug/L					
o-Cresol	95-48-7	ug/L			< 5.0 U		
p-Chloroaniline	106-47-8	ug/L			< 5.0 U		
Pentachlorophenol	87-86-5	ug/L			< 10 U		
Phenol	108-95-2	ug/L	< 3.8 UJ	< 3.8 U	< 5.0 U	< 3.8 U	< 3.8 U

NOTES:
U = analyte not detected above the reference reporting limit

< 4.4 U	< 4.4 UJ	< 4.4 U	< 4.4 U	< 4.4 U	< 4.4 U	< 4.4 U
< 26 U	< 26 UJ	< 26 U	< 26 U	< 26 U	< 26 U	< 26 U
< 3.8 U	< 3.8 UJ	< 3.8 U	< 3.8 U	**22**	< 3.8 U	< 3.8 U

< 4.4 U	< 4.4 U	< 4.4 U	**14**	< 4.4 U	< 4.4 U	< 4.4 U
< 26 U	< 26 U	< 26 U	< 26 U	< 26 U	< 26 U	**48 J**
< 3.8 U	**8**	< 3.8 U	**4 J**	< 3.8 U	< 3.8 U	< 3.8 U

< 4.4 U	< 4.4 U	< 4.4 U	< 4.4 U	< 4.4 U	< 4.4 U	< 4.4 U
< 26 U	< 26 U	< 26 U	< 26 U	**44 J**	< 26 U	< 26 U
< 3.8 U	< 3.8 U	< 3.8 U	< 3.8 U	< 3.8 U	< 3.8 U	< 3.8 U

< 4.4 U	< 4.4 U	< 4.4 U	< 4.4 U	< 4.4 U	< 4.4 U	< 4.4 U
< 26 U	**32 J**	< 26 U	< 64 U	< 26 U	< 26 U	< 26 U
< 3.8 U	**7**	< 3.8 U	< 3.8 U	< 3.8 U	< 3.8 U	< 3.8 U

< 0.44 U	< 4.4 U	< 4.4 U	< 4.4 U	< 4.4 U	< 4.4 U	< 4.4 U
< 26 U	< 26 U	< 26 U	< 29 UJ	< 26 U	< 26 U	< 56 U
< 3.8 UJ	< 3.8 UJ	< 3.8 UJ	< 3.8 U	< 3.8 U	< 3.8 U	< 3.8 U

< 4.4 U	< 4.4 U	< 4.4 U	< 4.4 U	< 4.4 U	< 4.4 U	< 4.4 U
< 26 U	< 26 U	< 47 UJ	< 26 U	< 29 UJ	< 26 U	< 26 U
< 3.8 U	< 3.8 U	< 3.8 U	< 3.8 U	< 3.8 U	< 0 R	< 3.8 U

< 4.4 U	< 4.4 U	< 4.4 U	< 4.4 U	< 4.4 U	< 4.4 U	< 4.4 U
< 26 U	< 26 U	< 26 U	< 26 U	< 26 U	< 26 U	**44 J**
< 3.8 U	< 3.8 U	< 3.8 U	< 3.8 U	< 3.8 U	< 3.8 UJ	< 3.8 U

			< 25.8 U	< 104 U	< 108 U
< 4.4 U	< 4.4 U	< 4.4 U			
			< 10.3 U	< 41.7 U	< 43 U
			< 10.3 U	< 41.7 U	< 43 U
55 J	< 26 U	**54**	**52.7 J**	< 41.7 U	< 43 U
			< 10.3 UJ	< 41.7 UJ	< 43 UJ
			< 10.3 U	< 41.7 U	< 43 U
			< 10.3 U	< 41.7 U	< 43 U
			< 10.3 U	< 41.7 U	< 43 U
			< 10.3 U	< 41.7 U	< 43 U
			< 10.3 U	< 41.7 U	< 43 U
			< 25.8 U	< 104 U	< 108 U
			< 10.3 U	< 41.7 U	< 43 U
			< 10.3 U	< 41.7 U	< 43 U
			< 10.3 U	< 41.7 U	< 43 U
			< 10.3 U	< 41.7 U	< 43 U
			< 10.3 U	< 41.7 U	< 43 U
			< 10.3 U	< 41.7 U	< 4300 U
			< 10.3 U	< 41.7 U	< 43 U
			< 10.3 U	< 41.7 U	< 43 U
			< 10.3 U	< 41.7 U	< 43 U
			< 10.3 U	< 41.7 U	< 43 U
			< 10.3 U	< 41.7 U	< 43 U
			< 10.3 UJ	< 41.7 UJ	< 43 UJ
			< 25.8 U	< 104 U	< 108 U
< 3.8 U	< 3.8 U	< 3.8 U	< 10.3 U	< 41.7 U	< 43 U

< 101 U	< 102 U	< 25.8 U	< 27 U	< 25 U	< 25 U
				< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 J	**67 J**	**50.2**	**99.6**
< 40.4 UJ	< 40.8 UJ	< 10.3 UJ	< 10.8 UJ	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 101 U	< 102 U	< 25.8 U	< 27 U	< 25.00 U	< 25 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U
< 40.4 UJ	< 40.8 UJ	< 10.3 UJ	< 10.8 UJ	< 10 U	< 10 U
< 101 U	< 102 U	< 25.8 U	< 27 U	< 25.00 U	< 25 U
< 40.4 U	< 40.8 U	< 10.3 U	< 10.8 U	< 10 U	< 10 U

< 28.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
20.1	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
9.2 NJ					
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 28.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
< 28.1 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
< 11.2 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U

	< 25.8 U		< 24.8 U				
	< 10.3 U		< 9.9 U				
	< 10.3 U		< 9.9 U				
	< 10.30 U		< 9.9 U				
	< 10.3 U		< 9.9 U				
	7.2 NJ						
	< 10.3 U		< 9.9 U				
	< 10.3 U		< 9.9 U				
	< 10.3 U		< 9.9 U				
	< 10.3 U		< 9.9 U				
	< 10.3 U		< 9.9 U				
	< 10.3 U		< 9.9 U				
	< 25.8 U		< 24.8 U				
			< 9.9 U				
	< 10.3 U		< 9.9 U				
< 0.50 U	< 10.3 U	< 50 U	< 9.9 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
	< 10.3 U		< 9.90 U				
	< 10.3 U		< 9.90 U				
	< 10.3 U		< 9.9 U				
	< 10.3 U		< 9.90 U				
	< 10.3 U		< 9.9 U				
	< 10.3 U		< 9.90 U				
	< 10.30 U		< 9.9 U				
	< 10.3 U		< 9.9 U				
	< 10.3 U		< 9.9 U				
	< 25.8 U		< 24.8 U				
	< 10.3 U		< 9.9 U				

< 24.8 U	< 26.9 U	< 24.8 U	< 26 U	< 25 U	< 25 U
< 9.9 U	< 10 U	< 9.90 U	< 10.4 U	< 10 U	< 10 U
< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10.00 U	< 10 U
< 9.90 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 9.9 U	**51.80**	< 9.9 U	< 10.4 U	< 10 U	< 10 U
	12.3 NJ				
< 9.9 U	< 10.80 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 9.9 U	< 10.80 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10.00 U	< 10 U
< 24.8 U	< 26.9 U	< 24.8 U	< 26 U	< 25 U	< 25 U
< 9.9 U	< 10.80 U	< 9.9 U		< 10 U	< 10 U
< 9.9 U	< 10.80 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 9.9 U	< 10.80 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 9.90 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 9.9 U	< 10.8 U	< 9.9 U	< 10.40 U	< 10 U	< 10 U
< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 9.90 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 9.90 U	< 10.80 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U
< 24.8 U	< 26.90 U	< 24.8 U	< 26 U	< 25 U	< 25 U
< 9.9 U	< 10.8 U	< 9.9 U	< 10.4 U	< 10 U	< 10 U

< 9.3 U	< 11 U	< 11 U	< 10 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U,J,O	< 5.6 U,J,O	< 5.4 U,J,O	< 5.0 U,J,O
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U,J,O	< 5.6 U,J,O	< 5.4 U,J,O	< 5.0 U,J,O
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U,J,O	< 5.6 U,J,O	< 5.4 U,J,O	< 5.0 U,J,O
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 9.3 U	< 11 U	< 11 U	< 10 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U
< 9.3 U	< 11 U	< 11 U	< 10 U
< 4.6 U	< 5.6 U	< 5.4 U	< 5.0 U

J = estimated concentration
O = qualifier indicating the reported value is estimated due to the presence of interference or quality exception.

Table D4
Groundwater Sample Results Summary: VOCs
Former Macon Naval Ordnance Plant Facility
Macon, Georgia

		Subfacility			
		Area			
		Location	MW-74	MW-74	MW-74
		Sample Date	1/1/2001	4/1/2003	8/1/2003
		Sample ID	MW-74-PREVIOUS-20010101	MW-74-PRE-BASELINE-20030401	MW-74-EVENT 1-20030801
		ERM Sample ID	MW-74-20010101	MW-74-20030401	MW-74-20030801
		Sample Interval	-	-	-
		Sample Type	N	N	N
Chemical Name	**CAS No.**	**Units**			
VOCs (ug/L)					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L			
1,1,1-Trichloroethane	71-55-6	ug/L			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L			
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	ug/L			
1,1,2-Trichloroethane	79-00-5	ug/L			
1,1-Dichloroethane	75-34-3	ug/L			
1,1-Dichloroethene	75-35-4	ug/L	< 0 U	< 0 U	< 0 U
1,1-Dichloropropene	563-58-6	ug/L			
1,2,3-Trichlorobenzene	87-61-6	ug/L			
1,2,3-Trichloropropane	96-18-4	ug/L			
1,2,4-Trichlorobenzene	120-82-1	ug/L			
1,2,4-Trimethylbenzene	95-63-6	ug/L			
1,2-Dibromo-3-chloropropane	96-12-8	ug/L			
1,2-Dichlorobenzene	95-50-1	ug/L			
1,2-Dichloroethane	107-06-2	ug/L			
1,2-Dichloroethene	540-59-0	ug/L			
1,2-Dichloropropane	78-87-5	ug/L			
1,3,5-Trimethylbenzene	108-67-8	ug/L			
1,3-Dichlorobenzene	541-73-1	ug/L			
1,3-Dichloropropane	142-28-9	ug/L			
1,3-Dichloropropene	542-75-6	ug/L			

MW-74 12/1/2003 MW-74-EVENT 2-20031201 MW-74-20031201 - N	MW-74 5/1/2004 MW-74-EVENT 3A-20040501 MW-74-20040501 - N	MW-74 7/1/2004 MW-74-EVENT 3B-20040701 MW-74-20040701 - N	MW-74 10/1/2004 MW-74-POST-TEST-20041001 MW-74-20041001 - N	MW-74A 1/1/2001 MW-74A-PREVIOUS-20010101 MW-74A-20010101 - N
< 0 U	< 0 U	< 0 U	< 0 U	< 0 U

MW-74A 4/1/2003 MW-74A-PRE-BASELINE-20030401 MW-74A-20030401 - N	MW-74A 8/1/2003 MW-74A-EVENT 1-20030801 MW-74A-20030801 - N	MW-74A 12/1/2003 MW-74A-EVENT 2-20031201 MW-74A-20031201 - N	MW-74A 5/1/2004 MW-74A-EVENT 3A-20040501 MW-74A-20040501 - N	MW-74A 7/1/2004 MW-74A-EVENT 3B-20040701 MW-74A-20040701 - N
< 0 U	< 0 U	< 0 U	< 0 U	< 0 U

MW-74A 10/1/2004 MW-74A-POST-TEST-20041001 MW-74A-20041001 - N	MW-75 10/1/2004 MW-75-POST-TEST-20041001 MW-75-20041001 - N	MW-75A 10/1/2004 MW-75A-POST-TEST-20041001 MW-75A-20041001 - N	MW-76 10/1/2004 MW-76-POST-TEST-20041001 MW-76-20041001 - N	MW-76A 10/1/2004 MW-76A-POST-TEST-20041001 MW-76A-20041001 - N
< 0 U	**1**	< 0 U	**0.73 J**	< 0 U

MW-81 4/1/2003 MW-81-PRE-BASELINE-20030401 MW-81-20030401 - N	MW-81 8/1/2003 MW-81-EVENT 1-20030801 MW-81-20030801 - N	MW-81 12/1/2003 MW-81-EVENT 2-20031201 MW-81-20031201 - N	MW-81 5/1/2004 MW-81-EVENT 3A-20040501 MW-81-20040501 - N	MW-81 7/1/2004 MW-81-EVENT 3B-20040701 MW-81-20040701 - N
< 0 U	< 0 U	**2.6**	**2.8**	**2.4**

MW-81 10/1/2004 MW-81-POST-TEST-20041001 MW-81-20041001 - N	MW-82 4/1/2003 MW-82-PRE-BASELINE-20030401 MW-82-20030401 - N	MW-82 8/1/2003 MW-82-EVENT 1-20030801 MW-82-20030801 - N	MW-82 12/1/2003 MW-82-EVENT 2-20031201 MW-82-20031201 - N	MW-82 5/1/2004 MW-82-EVENT 3A-20040501 MW-82-20040501 - N
2.3	1.6	1.82	1.2	2.2

MW-82 7/1/2004 MW-82-EVENT 3B-20040701 MW-82-20040701 - N	MW-82 10/1/2004 MW-82-POST-TEST-20041001 MW-82-20041001 - N	AIP Background (Site) IGW-018 1/1/1996 IGW-18-19960101-01 IGW-018-19960101 - N	AIP Background (Site) IGW-062 1/1/1996 IGW-62-19960101-01 IGW-062-19960101 - N	AIP Background (Site) MW-28 10/28/1998 MW28-GW1-WG-19981028 MW-28-19981028 - N	AIP Background (Site) MW-29 10/27/1998 MW29-GW1-WG-19981027 MW-29-19981027 - N
				< 5 U	< 5 U
				< 5 U	< 5 U
				< 5 U	< 5 U
				< 5 U	< 5 U
< 0 U	**1.1**	< 0.48 U	< 0.48 U	< 5 U	< 5 U
		< 0.56 U	< 0.56 U		
				< 5 U	< 5 U
				< 5 U	< 5 U
				< 5 U	< 5 U
				< 5 U	< 5 U

AIP Background (Site) MW-30 10/27/1998 MW30-GW1-WG-19981027 MW-30-19981027 - N	AIP Background (Site) MW-30 5/16/2009 R4-C092302-16 MW-30-20090516 - N	AIP Background (site) PZ-002 10/27/1998 PZ-2-WG-19981027 PZ-002-19981027 - N	AIP MNOP Site AWL-006 6/12/1998 AWL-6-19980612-01 AWL-006-19980612 - N	AIP MNOP Site GHW-001 6/12/1998 GHW-1-19980612-01 GHW-001-19980612 - N	AIP MNOP Site IGW-001 1/1/1996 IGW-1-19960101-01 IGW-001-19960101 - N	AIP MNOP Site IGW-002 1/1/1996 IGW-2-19960101-01 IGW-002-19960101 - N
< 5 U	< 5.0 U	< 6 U	< 5 U	< 5 U		
< 5 U	< 5.0 U	< 5 U	< 5 U	< 5 U		
	< 5.0 U					
< 5 U	< 5.0 U	< 5 U	< 5 U	< 5 U		
< 5 U	< 5.0 U	< 5 U	< 5 U	< 5 U		
< 5 U	< 5.0 U	< 5 U	< 5 U	< 5 U	< 0.48 U	< 0.48 U
	< 5.0 U					
	< 5.0 U					
					< 0.56 U	< 0.56 U
	< 5.0 U					
	< 5.0 U					
< 5 U	< 5.0 U	< 5 U	< 5 U	< 5 U		
< 5 U		< 5 U	< 5 U	< 5 U		
< 5 U	< 5.0 U	< 5 U	< 5 U	< 500 U		
	< 5.0 U					
< 5 U		< 5 U				

AIP MNOP Site IGW-002 1/1/1996 IGW-2-ADUP-19960101-01 IGW-002-19960101 - FD	AIP MNOP Site IGW-003 1/1/1996 IGW-3-19960101-01 IGW-003-19960101 - N	AIP MNOP Site IGW-005 1/1/1996 IGW-5-19960101-01 IGW-005-19960101 - N	AIP MNOP Site IGW-006 1/1/1996 IGW-6-19960101-01 IGW-006-19960101 - N	AIP MNOP Site IGW-008 1/1/1996 IGW-8-19960101-01 IGW-008-19960101 - N	AIP MNOP Site IGW-009 1/1/1996 IGW-9-19960101-01 IGW-009-19960101 - N	AIP MNOP Site IGW-010 1/1/1996 IGW-10-19960101-01 IGW-010-19960101 - N
< 0.48 U	< 0.48 U	< 0.48 UJ	< 0.48 U	< 0.48 UJ	**7.8 J**	< 0.48 U
< 0.56 U	< 0.56 U	< 0.56 UJ	< 0.56 U	< 0.56 UJ	**2.3 J**	< 0.56 U

AIP MNOP Site IGW-011 1/1/1996 IGW-11-19960101-01 IGW-011-19960101 - N	AIP MNOP Site IGW-012 1/1/1996 IGW-12-19960101-01 IGW-012-19960101 - N	AIP MNOP Site IGW-014 1/1/1996 IGW-14-19960101-01 IGW-014-19960101 - N	AIP MNOP Site IGW-015 1/1/1996 IGW-15-19960101-01 IGW-015-19960101 - N	AIP MNOP Site IGW-016 1/1/1996 IGW-16-19960101-01 IGW-016-19960101 - N	AIP MNOP Site IGW-017 1/1/1996 IGW-17-19960101-01 IGW-017-19960101 - N	AIP MNOP Site IGW-021 1/1/1996 IGW-21-19960101-01 IGW-021-19960101 - N
< 0.48 U	< 0.48 U	< 0.96 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U
< 0.56 U	< 0.56 U	< 1.12 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U

AIP MNOP Site IGW-022 1/1/1996 IGW-22-19960101-01 IGW-022-19960101 - N	AIP MNOP Site IGW-023 1/1/1996 IGW-23-19960101-01 IGW-023-19960101 - N	AIP MNOP Site IGW-024 1/1/1996 IGW-24-19960101-01 IGW-024-19960101 - N	AIP MNOP Site IGW-025 1/1/1996 IGW-25-19960101-01 IGW-025-19960101 - N	AIP MNOP Site IGW-026 1/1/1996 IGW-26-ADUP-19960101-01 IGW-026-19960101 - N	AIP MNOP Site IGW-027 1/1/1996 IGW-27-19960101-01 IGW-027-19960101 - N	AIP MNOP Site IGW-028 1/1/1996 IGW-28-19960101-01 IGW-028-19960101 - N
< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U
< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U

AIP MNOP Site IGW-029 1/1/1996 IGW-29-19960101-01 IGW-029-19960101 - N	AIP MNOP Site IGW-030 1/1/1996 IGW-30-19960101-01 IGW-030-19960101 - N	AIP MNOP Site IGW-032 1/1/1996 IGW-32-19960101-01 IGW-032-19960101 - N	AIP MNOP Site IGW-033 1/1/1996 IGW-33-19960101-01 IGW-033-19960101 - N	AIP MNOP Site IGW-034 1/1/1996 IGW-34-19960101-01 IGW-034-19960101 - N	AIP MNOP Site IGW-035 1/1/1996 IGW-35-19960101-01 IGW-035-19960101 - N	AIP MNOP Site IGW-035 1/1/1996 IGW-35-DDUP-19960101-01 IGW-035-19960101 - FD
< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.475 U
< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.555 U

AIP MNOP Site IGW-037 1/1/1996 IGW-37-19960101-01 IGW-037-19960101 - N	AIP MNOP Site IGW-037 1/1/1996 IGW-37DUP-19960101-01 IGW-037-19960101 - FD	AIP MNOP Site IGW-038 1/1/1996 IGW-38-19960101-01 IGW-038-19960101 - N	AIP MNOP Site IGW-039 1/1/1996 IGW-39-19960101-01 IGW-039-19960101 - N	AIP MNOP Site IGW-039 1/1/1996 IGW-39-ADUP-19960101-01 IGW-039-19960101 - FD	AIP MNOP Site IGW-041 1/1/1996 IGW-41-19960101-01 IGW-041-19960101 - N	AIP MNOP Site IGW-042 1/1/1996 IGW-42-19960101-01 IGW-042-19960101 - N
< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U
< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U

AIP MNOP Site IGW-043 1/1/1996 IGW-43-19960101-01 IGW-043-19960101 - N	AIP MNOP Site IGW-044 1/1/1996 IGW-44-19960101-01 IGW-044-19960101 - N	AIP MNOP Site IGW-045 1/1/1996 IGW-45-19960101-01 IGW-045-19960101 - N	AIP MNOP Site IGW-047 1/1/1996 IGW-47-19960101-01 IGW-047-19960101 - N	AIP MNOP Site IGW-048 1/1/1996 IGW-48-19960101-01 IGW-048-19960101 - N	AIP MNOP Site IGW-049 1/1/1996 IGW-49-19960101-01 IGW-049-19960101 - N	AIP MNOP Site IGW-049 1/1/1998 IGW49-01-19980101-01 IGW-049-19980101 - N
< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 UJ	< 0.48 U	< 0.48 U	
< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 UJ	< 0.56 U	< 0.56 U	

AIP MNOP Site IGW-051 1/1/1996 IGW-51-19960101-01 IGW-051-19960101 - N	AIP MNOP Site IGW-052 1/1/1996 IGW-52-19960101-01 IGW-052-19960101 - N	AIP MNOP Site IGW-054 1/1/1996 IGW-54-19960101-01 IGW-054-19960101 - N	AIP MNOP Site IGW-055 1/1/1996 IGW-55-19960101-01 IGW-055-19960101 - N	AIP MNOP Site IGW-056 1/1/1996 IGW-56-19960101-01 IGW-056-19960101 - N	AIP MNOP Site IGW-057 1/1/1996 IGW-57-19960101-01 IGW-057-19960101 - N	AIP MNOP Site IGW-058 1/1/1996 IGW-58-19960101-01 IGW-058-19960101 - N
< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U
< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 U

AIP MNOP Site IGW-060 1/1/1996 IGW-60-19960101-01 IGW-060-19960101 - N	AIP MNOP Site IGW-060 1/1/1996 IGW-60-ADUP-19960101-01 IGW-060-19960101 - FD	AIP MNOP Site IGW-061 1/1/1996 IGW-61-19960101-01 IGW-061-19960101 - N	AIP MNOP Site IGW-063 1/1/1996 IGW-63-19960101-01 IGW-063-19960101 - N	AIP MNOP Site IGW-066 1/1/1998 IGW-66-19980101-01 IGW-066-19980101 - N	AIP MNOP Site IGW-067 1/1/1998 IGW-67-01-19980101-01 IGW-067-19980101 - N	AIP MNOP Site IGW-067 1/1/1998 IGW-67-02-19980101-01 IGW-067-19980101 - N
					< 5 U	
					< 5 U	< 5 U
						< 5 U
					< 5 U	< 5 U
					< 5 U	< 5 U
< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 UJ		< 5 U	< 5 U
				< 10.3 U		
< 0.56 U	< 0.56 U	< 0.56 U	< 0.56 UJ			
				< 10.3 U		
					< 5 U	< 5 U
					< 5 U	
					< 5 U	< 5 U
				< 10.3 U		
					< 5 U	< 5 U

AIP MNOP Site IGW-070 1/1/1998 IGW-70-19980101-01 IGW-070-19980101 - N	AIP MNOP Site IGW-072 1/1/1998 IGW-72-01-19980101-01 IGW-072-19980101 - N	AIP MNOP Site IGW-072 1/1/1998 IGW-72-01A-19980101-01 IGW-072-19980101 - N	AIP MNOP Site IGW-073 1/1/1998 IGW-73-01-19980101-01 IGW-073-19980101 - N	AIP MNOP Site IGW-074 1/1/1998 IGW-74-01-19980101-01 IGW-074-19980101 - N	AIP MNOP Site IGW-074 1/1/1998 IGW-74-01A-19980101-01 IGW-074-19980101 - N
< 5 U	< 5 UJ	< 5 U	< 5 U		
< 5 U	< 5 UJ	< 5 U	< 5 U		
< 5 U	< 5 UJ	< 5 U	< 5 U		
< 5 U	< 5 UJ	< 5 U	< 5 U		
< 5 U	< 5 UJ	< 5 U	< 5 U		
				< 41.7 U	< 43 U
				< 41.7 U	< 43 U
< 5 U	< 5 UJ	< 5 U	< 5 U		
2.4 J	< 5 UJ	< 5 U			
< 5 U	< 5 UJ	< 5 U	< 5 U		
				< 41.7 U	< 43 U
< 5 U	< 5 UJ	< 5 U	< 5 U		

AIP MNOP Site IGW-076 1/1/1998 IGW-76-01-19980101-01 IGW-076-19980101 - N	AIP MNOP Site IGW-077 1/1/1998 IGW-77-01-19980101-01 IGW-077-19980101 - N	AIP MNOP Site IGW-078 1/1/1998 IGW-78-01-19980101-01 IGW-078-19980101 - N	AIP MNOP Site IGW-089 1/1/1998 IGW-89-01-19980101-01 IGW-089-19980101 - N	AIP MNOP Site IGW-098 1/1/1998 IGW-98-01-19980101-01 IGW-098-19980101 - N	AIP MNOP Site IGW-099 1/1/1998 IGW-99-19980101-01 IGW-099-19980101 - N
< 5 U	< 5 U	< 5 U	< 5 U		
< 5 U	< 5 U	< 5 U	< 5 U		
< 5 U	< 5 U	< 5 U	< 5 U		
< 5 U	< 5 U	< 5 U	< 5 U		
< 5 U	< 5 U	< 5 U	< 5 U		
			< 40.4 U	< 40.8 U	< 10.3 U
			< 40.4 U	< 40.8 U	< 10.3 U
< 5 U	< 5 U	< 5 U	< 5 U		
3 J		< 5 U	**1.7 J**		
< 5 U	< 5 U	< 5 U	< 5 U		
			< 40.4 U	< 40.8 U	< 10.3 U
< 5 U	< 5 U	< 5 U	< 5 U		

AIP MNOP Site IGW-100 1/1/1998 IGW-100-19980101-01 IGW-100-19980101 - N	AIP MNOP Site IGW-205 1/1/2000 IGW-205-01-20000101 IGW-205-20000101 - N	AIP MNOP Site IGW-206 1/1/2000 IGW-206-01-20000101 IGW-206-20000101 - N	AIP MNOP Site MW-31 11/2/1998 MW31-GW1-WG-19981102 MW-31-19981102 - N	AIP MNOP Site MW-32 10/28/1998 MW32-DP-WG-19981028 MW-32-19981028 - FD	AIP MNOP Site MW-32 10/28/1998 MW32-GW1-WG-19981028 MW-32-19981028 - N
			< 5 U	< 5 U	< 5 U
			< 5 U	< 5 U	< 5 U
			< 5 U	< 5 U	< 5 U
			< 5 U	< 5 U	< 5 U
			< 5 U	**0.85 J**	**0.73 J**
< 10.8 U				< 10 U	< 10 U
< 10.8 U				< 10 U	< 10 U
			< 5 U	< 5 U	< 5 U
		0.382 J	< 5 U	< 5 U	< 5 U
			< 5 U	< 5 U	< 5 U
< 10.8 U				< 10 U	< 10 U
			< 5 U	< 5 U	< 5 U

AIP MNOP Site MW-33 10/28/1998 MW33-GW1-WG-19981028 MW-33-19981028 - N	AIP MNOP Site MW-33 10/1/2004 MW-33-POST-TEST-20041001 MW-33-20041001 - N	AIP MNOP Site MW-34R 11/2/1998 MW34R-GW1-WG-19981102 MW-34R-19981102 - N	AIP MNOP Site MW-35 11/2/1998 MW35-GW1-WG-19981102 MW-35-19981102 - N	AIP MNOP Site MW-35 10/1/2004 MW-35-POST-TEST-20041001 MW-35-20041001 - N	AIP MNOP Site MW-36 11/2/1998 MW-36-GW1-WG-19981102 MW-36-19981102 - N
1.1 J		< 5 U	< 5 U		< 5 U
0.77 J		< 5 U	< 5 U		< 5 U
< 5 U		< 5 U	< 5 U		< 5 U
< 5 U		< 5 U	< 5 U		< 5 U
1.5 J	< 0 U	< 5 U	**79 J**	< 0 U	< 5 U
			< 11.2 U		
			< 11.2 U		
< 5 U		< 5 U	< 5 U		< 5 U
0.54 J		< 5 U	**0.56 J**		< 5 U
< 5 U		< 5 U	< 5 U		< 5 U
			< 11.2 U		
< 5 U		< 5 U	< 5 U		< 5 U

AIP MNOP Site MW-37 11/2/1998 MW37-GW1-WG-19981102 MW-37-19981102 - N	AIP MNOP Site MW-38 11/3/1998 MW38-GW1-WG-19981103 MW-38-19981103 - N	AIP MNOP Site MW-38 10/1/2004 MW-38-POST-TEST-20041001 MW-38-20041001 - N	AIP MNOP Site MW-39 11/9/1998 MW39-GW1-WG-19981109 MW-39-19981109 - N	AIP MNOP Site MW-39 1/1/2001 MW-39-PREVIOUS-20010101 MW-39-20010101 - N
< 5 U	**0.9 J**		< 5 U	
< 5 U	< 5 U		< 5 U	
	49.7 NJ			
< 5 U	< 5 U		< 5 U	
	< 5 U		< 5 U	
< 5 U	< 5 U	< 0 U	< 5 U	< 0 U
			< 10 U	
			< 10 U	
< 5 U	< 5 U		< 5 U	
< 5 U	< 5 U		< 5 U	
< 5 U	< 5 U		< 5 U	
			< 10 U	
< 5 U	< 5 U		< 5 U	

AIP MNOP Site MW-39 4/1/2003 MW-39-PRE-BASELINE-20030401 MW-39-20030401 - N	AIP MNOP Site MW-39 8/1/2003 MW-39-EVENT 1-20030801 MW-39-20030801 - N	AIP MNOP Site MW-39 12/1/2003 MW-39-EVENT 2-20031201 MW-39-20031201 - N	AIP MNOP Site MW-39 5/1/2004 MW-39-EVENT 3A-20040501 MW-39-20040501 - N	AIP MNOP Site MW-39 7/1/2004 MW-39-EVENT 3B-20040701 MW-39-20040701 - N	AIP MNOP Site MW-40 11/9/1998 MW40-GW1-WG-19981109 MW-40-19981109 - N
					< 5 U
					< 5 U
					< 5 U
					< 5 U
< 0 U	< 0 U	< 0 U	< 0 U	< 0 U	< 5 U
					< 5 U
					< 5 U
					< 5 U
					< 5 U

AIP MNOP Site MW-40 10/1/2004 MW-40-POST-TEST-20041001 MW-40-20041001 - N	AIP MNOP Site MW-42 11/3/1998 MW42-DP-WG-19981103 MW-42-19981103 - FD	AIP MNOP Site MW-42 11/3/1998 MW42-GW1-WG-19981103 MW-42-19981103 - N	AIP MNOP Site MW-42 10/1/2004 MW-42-POST-TEST-20041001 MW-42-20041001 - N	AIP MNOP Site MW-43 11/3/1998 MW43-GW1-WG-19981103 MW-43-19981103 - N	AIP MNOP Site MW-43 10/1/2004 MW-43-POST-TEST-20041001 MW-43-20041001 - N
	< 5 U	< 5 U		< 5 U	
	< 5 U	< 5 U		< 5 U	
	< 5 U	< 5 U		< 5 U	
	< 5 U	< 5 U		< 5 U	
< 0 U	**1.2 J**	**1.2 J**	< 0 U	< 5 U	< 0 U
	< 10 U	< 10 U			
	< 10 U	< 10 U			
	< 5 U	< 5 U		< 5 U	
	0.55 J	**0.52 J**		< 5 U	
	< 5 U	< 5 U		< 5 U	
	< 10 U	< 10 U			
	< 5 U	< 5 U		< 5 U	

AIP MNOP Site MW-44 11/4/1998 MW44-GW1-WG-19981104 MW-44-19981104 - N	AIP MNOP Site MW-44 10/1/2004 MW-44-POST-TEST-20041001 MW-44-20041001 - N	AIP MNOP Site MW-45 11/9/1998 MW45-GW1-WG-19981109 MW-45-19981109 - N	AIP MNOP Site MW-45 1/1/2001 MW-45-PREVIOUS-20010101 MW-45-20010101 - N	AIP MNOP Site MW-45 4/1/2003 MW-45-PRE-BASELINE-20030401 MW-45-20030401 - N
< 5 U		< 2500 U		
< 5 U		< 2500 U		
27.3 NJ				
< 5 U		< 2500 U		
< 5 U		< 2500 U		
< 5 U	< 0 U	< 2500 U	< 0 U	**1.6**
		< 10 U		
		< 10 U		
< 5 U		< 2500 U		
< 5 U		< 2500 U		
< 5 U		< 2500 U		
		< 10 U		
< 5 U		< 2500 U		

AIP MNOP Site MW-45 8/1/2003 MW-45-EVENT 1-20030801 MW-45-20030801 - N	AIP MNOP Site MW-45 12/1/2003 MW-45-EVENT 2-20031201 MW-45-20031201 - N	AIP MNOP Site MW-45 5/1/2004 MW-45-EVENT 3A-20040501 MW-45-20040501 - N	AIP MNOP Site MW-45 7/1/2004 MW-45-EVENT 3B-20040701 MW-45-20040701 - N	AIP MNOP Site MW-45 10/1/2004 MW-45-POST-TEST-20041001 MW-45-20041001 - N	AIP MNOP Site MW-45 5/16/2009 R4-C092302-11 MW-45-20090516 - N
					0.88 J,O
					< 5.0 U
					< 5.0 U
					< 5.0 U
					< 5.0 U
< 0 U	**3.1**	**2.6**	**3.4**	**6.6**	< 5.0 U
					< 5.0 U
					< 5.0 U
					< 5.0 U
					< 5.0 U
					< 5.0 U
					< 5.0 U
					< 5.0 U

AIP MNOP Site MW-47 11/9/1998 MW47-GW1-WG-19981109 MW-47-19981109 - N	AIP MNOP Site MW-47 1/1/2001 MW-47-PREVIOUS-20010101 MW-47-20010101 - N	AIP MNOP Site MW-47 4/1/2003 MW-47-PRE-BASELINE-20030401 MW-47-20030401 - N	AIP MNOP Site MW-47 8/1/2003 MW-47-EVENT 1-20030801 MW-47-20030801 - N	AIP MNOP Site MW-47 12/1/2003 MW-47-EVENT 2-20031201 MW-47-20031201 - N	AIP MNOP Site MW-47 5/1/2004 MW-47-EVENT 3A-20040501 MW-47-20040501 - N
< 1000 U					
< 1000 U					
< 1000 U					
< 1000 U	< 0 U	< 0 U	< 0 U	< 0 U	< 0 U
< 10 U					
< 10 U					
< 1000 U					
1260					
< 1000 U					
< 10 U					
< 1000 U					

AIP MNOP Site MW-47 7/1/2004 MW-47-EVENT 3B-20040701 MW-47-20040701 - N	AIP MNOP Site MW-47 10/1/2004 MW-47-POST-TEST-20041001 MW-47-20041001 - N	AIP MNOP Site MW-47 2/23/2015 R4-E150903-05 MW-47-20150223 - N	AIP MNOP Site MW-48 11/5/1998 MW48-GW1-WG-19981105 MW-48-19981105 - N	AIP MNOP Site MW-48R 10/1/2004 MW-48R-POST-TEST-20041001 MW-48R-20041001 - N	AIP MNOP Site MW-48R 2/25/2015 R4-E150903-06 MW-48R-20150225 - N
		< 0.50 U			< 50 U
		< 0.50 U	**54 J**		< 50 U
		< 0.50 U	< 5 U		< 50 U
		< 0.50 U			< 50 U
		< 0.50 U	< 5 U		< 50 U
		< 0.50 U	< 5 U		< 50 U
< 0 U	< 0 U	< 0.50 U	**0.65 J**	**3.6**	< 50 U
		< 0.50 U			< 50 U
		< 0.50 U			< 50 U
		< 0.50 U			< 50 U
		< 0.50 U	< 10.3 U		< 50 U
		< 0.50 U			< 50 U
		< 1.0 U			< 100 U
		< 0.50 U			< 50 U
		< 0.50 U	< 5 U		< 50 U
			0.52 J		
		< 0.50 U	< 5 U		< 50 U
		< 0.50 U			< 50 U
		< 0.50 U	< 10.3 U		< 50 U
		< 0.50 U			< 50 U
			< 5 U		

AIP MNOP Site MW-49 11/4/1998 MW49-GW1-WG-19981104 MW-49-19981104 - N	AIP MNOP Site MW-49 10/1/2004 MW-49-POST-TEST-20041001 MW-49-20041001 - N	AIP MNOP Site MW-49 2/24/2015 R4-E150903-07 MW-49-20150224 - N	AIP MNOP Site MW-51 11/3/1998 MW51-GW1-WG-19981103 MW-51-19981103 - N	AIP MNOP Site MW-51 10/1/2004 MW-51-POST-TEST-20041001 MW-51-20041001 - N	AIP MNOP Site MW-55 11/11/1998 MW55-GW1-WG-19981111 MW-55-19981111 - N
		< 0.50 U			
< 5 U		< 0.50 U	< 5 U		< 5 U
< 5 U		< 0.50 U	< 5 U		< 5 U
		3.2			
< 5 U		< 0.50 U	< 5 U		< 5 U
< 5 U		< 0.50 U	< 5 U		< 5 U
< 5 U	< 0 U	< 0.50 U	< 5 U	< 0 U	< 5 U
		< 0.50 U			
		< 0.50 U			
		< 0.50 U			
< 9.9 U		< 0.50 U			
		< 0.50 U			
		< 1.0 U			
< 9.9 U		< 0.50 U			
< 5 U		< 0.50 U	< 5 U		< 5 U
7.1			< 5 U		**1.5 J**
< 5 U		< 0.50 U	< 5 U		< 5 U
		< 0.50 U			
< 9.9 U		< 0.50 U			
		< 0.50 U			
< 5 U			< 5 U		< 5 U

AIP MNOP Site MW-55 10/1/2004 MW-55-POST-TEST-20041001 MW-55-20041001 - N	AIP MNOP Site MW-56 11/9/1998 MW56-GW1-WG-19981109 MW-56-19981109 - N	AIP MNOP Site MW-56 2/24/2015 R4-E150903-08 MW-56-20150224 - N	AIP MNOP Site MW-57 11/4/1998 MW57-GW1-WG-19981104 MW-57-19981104 - N	AIP MNOP Site MW-57 10/1/2004 MW-57-POST-TEST-20041001 MW-57-20041001 - N	AIP MNOP Site MW-57 5/16/2009 R4-C092302-12 MW-57-20090516 - N	AIP MNOP Site MW-57 5/16/2009 R4-C092302-13 MW-57-20090516 - FD
		< 0.50 U				
	< 5 U	< 0.50 U	< 5 U		< 5.0 U	< 5.0 U
	< 5 U	< 0.50 U	< 5 U		< 5.0 U	< 5.0 U
		< 0.50 U			< 5.0 U	< 5.0 U
	< 5 U	< 0.50 U	< 5.00 U		< 5.0 U	< 5.0 U
	< 5 U	< 0.50 U	< 5 U		< 5.0 U	< 5.0 U
< 0 U	< 5 U	< 0.50 U	< 5 U	< 0 U	< 5.0 U	< 5.0 U
		< 0.50 U				
		< 0.50 U			< 5.0 U	< 5.0 U
		< 0.50 U				
		< 0.50 U			< 5.0 U	< 5.0 U
		< 0.50 U				
		< 1.0 U			< 5.0 U	< 5.0 U
		< 0.50 U			< 5.0 U	< 5.0 U
	< 5 U	< 0.50 U	< 5 U		< 5.0 U	< 5.0 U
	4.7 J		**2.1 J**			
	< 5 U	< 0.50 U	< 5 U		< 5.0 U	< 5.0 U
		< 0.50 U				
		< 0.50 U			< 5.0 U	< 5.0 U
		< 0.50 U				
	< 5 U		< 5 U			

AIP MNOP Site MW-57 2/24/2015 R4-E150903-03 MW-57-20150224 - N	AIP MNOP Site MW-57 2/24/2015 R4-E150903-04 MW-57-20150224 - N	AIP MNOP Site MW-58 11/6/1998 MW58-GW1-WG-19981106 MW-58-19981106 - N	AIP MNOP Site MW-58 10/1/2004 MW-58-POST-TEST-20041001 MW-58-20041001 - N	AIP MNOP Site MW-60 11/4/1998 MW60-GW1-WG-19981104 MW-60-19981104 - N	AIP MNOP Site MW-61 11/5/1998 MW61-GW1-WG-19981105 MW-61-19981105 - N
< 0.50 U	< 0.50 U				
< 0.50 U	< 0.50 U	< 5 U		< 5 U	< 5 U
< 0.50 U	< 0.50 U	< 5 U		< 5 U	< 5 U
0.69	**0.66**				
< 0.50 U	< 0.50 U	< 5 U		< 5 U	< 5 U
< 0.50 U	< 0.50 U	< 5 U		< 5 U	< 5 U
< 0.50 U	< 0.50 U	< 5 U	< 0 U	**77 J**	< 5 U
< 0.50 U	< 0.50 U				
< 0.50 U	< 0.50 U				
< 0.50 U	< 0.50 U				
< 0.50 U	< 0.50 U	< 9.9 U			
< 0.50 U	< 0.50 U				
< 1.0 U	< 1.0 U				
< 0.50 U	< 0.50 U	< 9.9 U			
< 0.50 U	< 0.50 U	< 5 U		< 5 U	< 5 U
		1.4 J		**0.68 J**	< 5 U
< 0.50 U	< 0.50 U	< 5 U		< 5 U	< 5 U
< 0.50 U	< 0.50 U				
< 0.50 U	< 0.50 U	< 9.9 U			
< 0.50 U	< 0.50 U				
		< 5 U		< 5 U	< 5 U

AIP MNOP Site MW-61 10/1/2004 MW-61-POST-TEST-20041001 MW-61-20041001 - N	AIP MNOP Site MW-62 11/4/1998 MW62-GW1-WG-19981104 MW-62-19981104 - N	AIP MNOP Site MW-62 10/1/2004 MW-62-POST-TEST-20041001 MW-62-20041001 - N	AIP MNOP Site MW-62A 6/12/2000 MW-62A-01A-WG-20000612 MW-62A-20000612 - FD	AIP MNOP Site MW-62A 6/12/2000 MW-62A-01-WG-20000612 MW-62A-20000612 - N
	< 5 U		< 1 U	< 1 U
	< 5 U		< 1 U	< 1 U
	< 5 U		**0.37 J**	**0.35 J**
	< 5 U		< 1 U	< 10 U
< 0 U	< 5 U	< 0 U	< 1 U	< 1 U
	< 10.8 U			
	< 10.8 U			
	< 5 U		< 1 U	< 1 U
	< 5 U		< 2 U	< 2 U
	< 5 U		< 1 U	< 1 U
	< 10.8 U			
	< 5 U		< 1 U	< 1 U

AIP MNOP Site MW-62A 10/1/2004 MW-62A-POST-TEST-20041001 MW-62A-20041001 - N	AIP MNOP Site MW-68 11/6/1998 MW68-GW1-WG-19981106 MW-68-19981106 - N	AIP MNOP Site MW-68 10/1/2004 MW-68-POST-TEST-20041001 MW-68-20041001 - N	AIP MNOP Site MW-71 11/6/1998 MW71-GW1-WG-19981106 MW-71-19981106 - N	AIP MNOP Site MW-71 10/1/2004 MW-71-POST-TEST-20041001 MW-71-20041001 - N	AIP MNOP Site MW-72 11/3/1998 MW72-GW1-WG-19981103 MW-72-19981103 - N
	< 5 U		< 5 U		< 5 U
	< 5 U		< 5 U		< 5 U
	< 5 U		< 5 U		< 5 U
	< 5 U		< 5 U		< 5 U
< 0 U	< 5 U	< 0 U	< 5.00 U	< 0 U	< 5 U
			< 9.9 U		
			< 9.9 U		
	< 5 U		< 5.00 U		< 5 U
	< 6 U		< 5 U		< 5 U
	< 5 U		< 5 U		< 5 U
			< 9.9 U		
	< 5 U		< 5 U		< 6 U

AIP MNOP Site MW-72 6/12/2000 MW-72-01-WG-20000612 MW-72-20000612 - N	AIP MNOP Site MW-72 10/1/2004 MW-72-POST-TEST-20041001 MW-72-20041001 - N	AIP MNOP Site MW-73 11/4/1998 MW73-GW1-WG-19981104 MW-73-19981104 - N	AIP MNOP Site MW-73 10/1/2004 MW-73-POST-TEST-20041001 MW-73-20041001 - N	AIP MNOP Site MW-80A 10/1/2004 MW-80A-POST-TEST-20041001 MW-80A-20041001 - N	AIP MNOP Site PZ-001 11/2/1998 PZ-1-WG-19981102 PZ-001-19981102 - N
< 1 U		< 5 U			< 5 U
< 1 U		< 5 U			< 5.00 U
		32.1 NJ			
< 1 U		< 5.00 U			< 5 U
< 1 U		< 5 U			< 5 U
< 1 U	< 0 U	< 5 U	< 0 U	< 0 U	< 5 U
		< 10.4 U			
		< 10.4 U			
< 1 U		< 5 U			
< 2 U		< 5 U			< 5 U
< 1 U		< 5 U			< 5 U
		< 10.4 U			
< 1 U		< 5 U			< 5 U

AIP MNOP Site PZ-003 11/5/1998 PZ-3-WG-19981105 PZ-003-19981105 - N	AIP MNOP Site PZ-004 11/5/1998 PZ-4-WG-19981105 PZ-004-19981105 - N	AIP MNOP Site PZ-005 11/12/1998 PZ-5-WG-19981112 PZ-005-19981112 - N	AIP MNOP Site PZ-006 11/11/1998 PZ-6-WG-19981111 PZ-006-19981111 - N	AIP South of Site IGW-207 1/1/2000 IGW-207-01-20000101 IGW-207-20000101 - N	AIP South of Site IGW-208 1/1/2000 IGW-208-01-20000101 IGW-208-20000101 - N	AIP South of Site IGW-209 1/1/2000 IGW-209-01-20000101 IGW-209-20000101 - N
< 5 U	< 5 U	< 5 U	< 5 U			
< 5 U	< 5 U	< 5 U	< 5 U			
			6.50 NJ			
< 5 U	< 5 U	< 5 U	< 5.00 U			
< 5 U	< 5 U	< 5 U	< 5.00 U			
0.95 J	< 5 U	< 5 U	< 5 U			
			< 10 U			
			< 10 U			
< 5 U	< 5 U	< 5 U	< 5 U			
0.52 J	< 5 U	**1.2 J**	< 5 U			
< 5 U	< 5 U	< 5 U	< 5 U			
			< 10 U			
< 6 U	< 5 U	< 5 U	< 5 U			

AIP South of Site MW-63 1/1/1998 MW63-GW1-19980101 MW-63-19980101 - N	AIP South of Site MW-63 10/1/2004 MW-63A-POST-TEST-20041001 MW-63-20041001 - N	AIP South of Site MW-63 10/1/2004 MW-63-POST-TEST-20041001 MW-63-20041001 - N	AIP South of Site MW-64 1/1/1998 MW-64-GW1-19980101 MW-64-19980101 - N	AIP South of Site MW-65 1/1/1998 MW-65-GW1-19980101 MW-65-19980101 - N	AIP South of Site MW-66 11/12/1998 MW-66-GW1-WG-19981112 MW-66-19981112 - N
< 5 U			< 5 U	< 5 U	< 5.00 U
< 5 U			< 5 U	< 5 U	< 5 U
< 5 U			< 5 U	< 5 U	< 5 U
< 5 U			< 5 U	< 5 U	< 5 U
0.53 J	< 0 U	< 0 U	< 5 U	< 5 U	**72 J**
					< 10 U
					< 10 U
< 5 U			< 5 U	< 5 U	< 5 U
80.70			**12.10**	**11.50**	**83.9**
< 5 U			< 5 U	< 5 U	< 5 U
					< 10 U
< 5 U			< 5 U	< 5 U	< 5 U

AIP South of Site MW-66 10/1/2004 MW-66-POST-TEST-20041001 MW-66-20041001 - N	AIP South of Site MW-66 5/17/2009 R4-C092302-14 MW-66-20090517 - N	AIP South of Site MW-67 11/12/1998 MW67-GW1-WG-19981112 MW-67-19981112 - N	AIP South of Site MW-67 10/1/2004 MW-67-POST-TEST-20041001 MW-67-20041001 - N	AIP South of Site MW-69 11/11/1998 MW69-GW1-WG-19981111 MW-69-19981111 - N	AIP South of Site MW-69 10/1/2004 MW-69-POST-TEST-20041001 MW-69-20041001 - N
	< 5.0 U	< 5 U		< 5.00 U	
	< 5.0 U	< 5 U		< 5 U	
	< 5.0 U				
	< 5.0 U	< 5 U		< 5 U	
	< 5.0 U	< 5 U		< 5 U	
0.89 J	< 5.0 U	< 5 U	**0.62 J**	< 5 U	< 0 U
	< 5.0 U				
	< 5.0 U				
	< 5.0 U				
	< 5.0 U				
	< 5.0 U	< 5 U		< 5 U	
		1.4 J		**1.3 J**	
	< 5.0 U	< 5 U		< 5 U	
	< 5.0 U				
		< 5 U		< 5 U	

AIP South of Site MW-70 11/11/1998 MW70-GW1-WG-19981111 MW-70-19981111 - N	AIP South of Site MW-70 10/1/2004 MW-70-POST-TEST-20041001 MW-70-20041001 - N	AIP South of Site MW-70 5/17/2009 R4-C092302-15 MW-70-20090517 - N	AIP South of Site MW-70A 6/12/2000 MW-70A-01-WG-20000612 MW-70A-20000612 - N	AIP South of Site MW-70A 10/1/2004 MW-70A-POST-TEST-20041001 MW-70A-20041001 - N	AIP South of Site MW-80 10/1/2004 MW-80-POST-TEST-20041001 MW-80-20041001 - N
< 5 U		< 5.0 U	< 1 U		
< 5 U		< 5.0 U	< 1 U		
		3.7 J,O			
< 5 U		**0.66 J,O**	< 1 U		
< 5 U		< 5.0 U	< 1 U		
< 5 U	< 0 U	< 5.0 U	< 1 U	< 0 U	**0.48 J**
		< 5.0 U			
		< 5.0 U			
		< 5.0 U			
		< 5.0 U			
< 5 U		< 5.0 U	< 1 U		
0.98 J			< 2 U		
< 5 U		< 5.0 U	< 1 U		
		< 5.0 U			
< 5 U			< 1 U		

AIP South of Site MW-80 5/20/2009 R4-C092302-17 MW-80-20090520 - N	AWI AWI IGW-201 1/1/2000 IGW-201-01-20000101 IGW-201-20000101 - N	AWI AWI IGW-201 1/1/2000 IGW-201-02-20000101 IGW-201-20000101 - N	AWI AWI IGW-202 1/1/2000 IGW-202-01-20000101 IGW-202-20000101 - N	AWI AWI IGW-203 1/1/2000 IGW-203-01-20000101 IGW-203-20000101 - N	FML LANDFILL OU2 MW-07 5/17/2009 R4-C092303-03 MW-07-20090517 - N	FML LANDFILL OU2 MW-09 5/20/2009 R4-C092303-04 MW-09-20090520 - N	FML LANDFILL OU2 MW-10 5/20/2009 R4-C092303-05 MW-10-20090520 - N
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
1.1 J,O					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	**17**	**8.6**
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U,J,O	< 5.0 U,J,O
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U

FML LANDFILL OU2 MW-19 5/19/2009 R4-C092303-06 MW-19-20090519 - N
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U

1,4-Dichlorobenzene	106-46-7	ug/L			
2,2-Dichloropropane	594-20-7	ug/L			
2-Butanone	78-93-3	ug/L			
2-Hexanone	591-78-6	ug/L			
4-Chlorotoluene	106-43-4	ug/L			
4-Isopropyltoluene	99-87-6	ug/L			
4-Methyl-2-pentanone	108-10-1	ug/L			
Acetone	67-64-1	ug/L			
Benzene	71-43-2	ug/L			
Bromobenzene	108-86-1	ug/L			
Bromodichloromethane	75-27-4	ug/L			
Bromoform	75-25-2	ug/L			
Carbon disulfide	75-15-0	ug/L			
Carbon tetrachloride	56-23-5	ug/L			
Chlorobenzene	108-90-7	ug/L			
Chlorobromomethane	74-97-5	ug/L			
Chloroethane	75-00-3	ug/L			
Chloroform	67-66-3	ug/L			
cis-1,2-Dichloroethene	156-59-2	ug/L	**41.8**	**40.2**	**23.8**
cis-1,3-Dichloropropene	10061-01-5	ug/L			
Cyclohexane	110-82-7	ug/L			
Dibromochloromethane	124-48-1	ug/L			
Dibromomethane	74-95-3	ug/L			
Dichlorodifluoromethane (Freon 12)	75-71-8	ug/L			
Ethylbenzene	100-41-4	ug/L			
Ethylene dibromide	106-93-4	ug/L			
Isopropylbenzene (Cumene)	98-82-8	ug/L			
m,p-Xylenes	179601-23-1	ug/L			
Methyl acetate	79-20-9	ug/L			
Methyl bromide	74-83-9	ug/L			
Methyl chloride	74-87-3	ug/L			
Methyl tert-butyl ether	1634-04-4	ug/L			
Methylcyclohexane	108-87-2	ug/L			
Methylene chloride	75-09-2	ug/L			
n-Butylbenzene	104-51-8	ug/L			
n-Propylbenzene	103-65-1	ug/L			

13.8	**9.8**	**12.8**	**18.1**	< 0 U

< 0 U	< 0 U	< 0 U	< 0 U	< 0 U

< 0 U	**1.3**	< 0 U	**0.77 J**	< 0 U

18.4	**106**	**165 J**	**140 J**	**143**

207 J	**464**	**469**	**320**	**875**

				< 10.00 R	< 10.00 R
				< 10 U	< 10 U
				< 10 U	< 10 U
				< 10.00 R	< 10.00 R
				< 5 U	< 5 U
				< 5 U	< 5 U
				< 5 U	< 5 U
				< 5 U	< 5 U
				< 5 U	< 5 U
				< 5 U	< 5 U
				< 10 U	< 10 U
		< 1.4 U	< 1.4 U	< 5 U	**0.6 J**
715	**448 J**	< 1.8 U	< 1.8 U		
				< 5 U	< 5 U
				< 5 U	< 5 U
				< 5 U	< 5 U
		< 0.49 U	< 0.49 U	< 10 U	< 10 U
		< 2 U	< 2 U	< 10 U	< 10 U
		< 0.75 U	< 0.75 U	< 5 U	< 5 U

	< 5.0 U					
< 10.00 R	< 10 U	< 10.00 R	< 10 R	< 10 R		
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U		
< 10 U	< 10 U	< 10 U	< 10 U	< 10 U		
< 10.00 R	< 10 U,J,O	< 10.00 R	< 10 U	< 10 U		
< 5 U	< 5.0 U	< 5 U	< 5 U	< 5 U		
< 5 U	< 5.0 U	< 5 U	< 5 U	< 5 U		
< 5 U	< 5.0 U	< 5 U	< 5 U	< 5 U		
< 5 U	< 5.0 U	< 5 U	< 5 U	< 5 U		
< 5 U	< 5.0 U	< 5 U	< 5 U	< 5 U		
< 5 U	< 5.0 U	< 5.00 U	< 5 U	< 5 U		
	< 5.0 U					
< 10 U	< 5.0 U	< 10 U	< 10 U	< 10 U		
0.64 J	< 5.0 U	**0.80 J**	< 5 U	< 5 UJ	< 1.4 U	< 1.4 U
	< 5.0 U				< 1.8 U	< 1.8 U
< 5 U	< 5.0 U	< 5 U	< 5 U	< 5 U		
	< 5.0 U					
< 5 U	< 5.0 U	< 5 U	< 5 U	< 5 U		
	< 5.0 U					
< 5 U	< 5.0 U	< 5.00 U	< 5 U	< 5 U		
	< 5.0 U					
	< 5.0 U					
	< 5.0 U					
	< 5.0 U					
< 10 U	< 5.0 U	< 10 U	< 10 U	< 10 U	< 0.49 U	< 0.49 U
< 10 U	< 5.0 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U
	< 5.0 U,J,O					
	< 5.0 U					
< 5 U	< 5.0 U	< 5 U	< 5 UJ	< 5 UJ	< 0.75 U	< 0.75 U

< 1.4 U	< 1.4 U	< 1.4 UJ	< 1.4 U	< 1.4 UJ	< 1.4 UJ	< 1.4 U
< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	**5.4 J**	**6300 J**	< 1.8 U
< 0.49 U	< 0.49 U	< 0.49 UJ	< 0.49 U	< 0.49 UJ	< 0.49 UJ	< 0.49 U
< 2 U	< 2 U	< 2 UJ	< 2 U	< 2 UJ	< 2 UJ	< 2 U
< 0.75 U	< 0.75 U	< 0.75 UJ	< 0.75 U	**11 J**	**11 J**	**12**

< 1.4 U	< 1.4 U	< 2.8 U	< 1.4 U	**1.4 J**	< 1.4 U	< 1.4 U
< 1.8 U	< 1.8 U	< 3.6 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U
< 0.49 U	< 0.49 U	< 0.98 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U
< 2 U	< 2 U	**4.7 J**	< 2 U	< 2 U	< 2 U	< 2 U
< 0.75 U	< 0.75 U	< 1.5 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U

< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U
< 1.8 U	< 1.8 U	**44**	< 1.8 U	< 1.8 U	< 1.8 U	**11**
< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U
< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U

< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.36 U
< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.76 U
< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.485 U
< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2.02 U
< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U

< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U
< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U
< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U
< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U

< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 UJ	< 1.4 U	< 1.4 U	
< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ	< 1.8 U	< 1.8 U	
< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 UJ	< 0.49 U	< 0.49 U	
< 2 U	< 2 U	< 2 U	< 2 UJ	< 2 U	< 2 U	< 10 U
< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 UJ	< 0.75 U	< 0.75 U	

< 1.4 U	**1.4 J**	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U
< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U
< 0.49 U	< 0.49 U	**2.7 J**	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U
< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U	< 0.75 U

				< 10.3 U		
					< 10 U	**14.6**
					< 10 U	< 10 UJ
					< 10 U	< 10 U
					< 10 UJ	< 10 UJ
					< 5 U	< 5 U
					< 5 U	< 5 U
					< 5 U	< 5 U
					< 5 UJ	< 5 UJ
					< 5 U	< 5 U
					< 5 U	< 5 U
					< 10 U	< 10 U
< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 UJ		**0.85 J**	< 5 U
< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 UJ			< 5 U
					< 5 U	< 5 U
					< 5 U	< 5 U
					< 5 U	< 5 U
< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 UJ		< 10 U	**2.9 J**
< 2 U	< 2 U	< 2 U	< 2 UJ		< 10 U	< 10 U
< 0.75 U	< 0.75 U	< 0.75 U	**31 J**		< 5 UJ	< 5.8 U

				< 41.7 U	< 43 U
< 10 U	< 10 R	< 10 R	< 10 R		
< 10 U	< 10 UJ	< 10 U	< 10 U		
< 10 U	< 10 UJ	< 10 U	< 10 U		
11.6	**13.5 J**	**21.8 J**	< 10 R		
< 5 U	< 5 UJ	< 5 U	< 5 U		
< 5 U	< 5 UJ	< 5 U	< 5 U		
< 5 U	< 5 UJ	< 5 U	< 5 U		
< 5 U	< 5 UJ	< 5 U	< 5 U		
< 5 U	< 5 UJ	< 5 U	< 5 U		
< 5 U	< 5 UJ	< 5 U	< 5 U		
< 10 U	< 10 UJ	< 10 U	< 10 U		
< 5 U	< 5 UJ	**0.64 J**	< 5 U		
2.4 J			< 5 U		
< 5 U	< 5 UJ	< 5 U	< 5 U		
< 5 U	< 5 UJ	< 5 U	< 5 U		
< 5 U	< 5 UJ	< 5 U	< 5 U		
< 10 U	< 10 UJ	< 10 U	< 10 U		
< 10 U	< 10 UJ	< 10 U	< 10 U		
< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ		

			< 40.4 U	< 40.8 U	< 10.3 U
< 10 U	**11.7**	< 10 U	< 10 U		
< 10 UJ	< 10 U	< 10 U	< 10 U		
< 10 U	< 10 U	< 10 U	< 10 U		
4.6 J	< 10 UJ	**11.2 J**	< 10 UJ		
< 5 U	< 5 U	< 5 U	< 5 U		
< 5 U	< 5 U	< 5 U	< 5 U		
< 5 U	< 5 U	< 5 U	< 5 U		
< 5 U	< 5 U	< 5 U	< 5 U		
6.9	< 5 U	< 5 U	**1 J**		
< 5 U	< 5 U	< 5 U	< 5 U		
< 10 U	< 10 U	< 10 UJ	< 10 U		
0.99 J	**0.91 J**	< 5 UJ	< 5 U		
3 J	< 5 U		**1.7 J**		
< 5 U	< 5 U	< 5 U	< 5 U		
< 5 U	< 5 U	< 5 U	< 5 U		
< 5 U	< 5 U	< 5 U	< 5 U		
< 10 U	< 10 U	< 10 U	< 10 U		
< 10 U	< 10 U	< 10 U			
< 5 UJ	< 5 UJ	< 6.3 U	< 5 UJ		

< 10.8 U				< 10 U	< 10 U
			< 10.00 R	< 10.00 R	< 10.00 R
			< 10 U	< 10 U	< 10 U
			< 10 U	< 10 U	< 10 U
		24.6	< 10.00 R	< 10.00 R	< 10.00 R
			< 5 U	< 5 U	< 5 U
			< 5 U	< 5 U	< 5 U
			< 5 U	< 5 U	< 5 U
			< 5 U	< 5 U	< 5 U
		0.382 J	< 5 U	< 5 U	< 5 U
			< 5 U	< 5 U	< 5 U
			< 10 UJ	< 10 UJ	< 10 UJ
			< 5 U	**1.3 J**	**1.3 J**
			< 5 U	< 5 U	< 5 U
			< 5 U	< 5 U	< 5 U
			< 5 U	< 5 U	< 5 U
			< 10 U	< 10 U	< 10 U
			< 10 U	< 10 U	< 10 U
			< 5 U	< 5 U	< 5 U

			< 11.2 U		
< 10.00 R		**4.2 J**	**14.8 J**		< 10.00 R
< 10 U		< 10 U	< 10 U		**1.6 J**
< 10 U		**6.7 J**	< 10 U		< 10 U
< 10.00 R		**22.8 R**	< 10.00 R		**2.1 J**
< 5 U		< 5 U	< 5 U		< 5 U
< 5 U		< 5 U	< 5 U		< 5 U
< 5 U		< 5 U	< 5 U		< 5 U
< 5 U		< 5 U	< 5 U		< 5 U
< 5 U		< 5 U	**0.9 J**		< 5 U
< 5 U		< 5 U	< 5 U		< 5 U
< 10 UJ		< 10 U	**2.9 J**		< 10 UJ
0.86 J		< 5 U	**1.00 J**		< 5 U
	< 0 U			< 0 U	
< 5 U		< 5 U	< 5 U		< 5 U
< 5 U		< 6 U	< 5 U		< 5 U
< 5 U		< 5 U	< 5 U		< 5 U
< 10 U		< 10 U	< 10 U		< 10 U
< 10 U		< 10 U	< 10 U		< 10 U
< 5 U		< 5 U	< 5 U		< 5 U

			< 10 U	
< 10.00 R	< 10.00 R		< 10.00 R	
< 10 U	< 10 U		< 10 U	
< 10 U	< 10 U		< 10 U	
< 10.00 R	< 10.00 R		< 10 U	
< 5 U	< 5 U		< 5 U	
< 5 U	< 5 U		< 5 U	
< 5 U	< 5 U		< 5 U	
< 5 U	< 5 U		< 5 U	
< 5 U	< 5 U		< 5 U	
< 5 U	< 5 U		< 5 U	
< 10 UJ	< 10 UJ		< 10 U	
< 5 U	**0.88 J**		< 5 U	
		< 0 U		< 0 U
< 5 U	< 5 U		< 5 U	
< 5 U	< 5 U		< 5 U	
< 5 U	< 5 U		< 5 U	
< 10 U	< 10 U		< 10 U	
< 10 U	< 10 U		< 10 U	
< 5 U			< 5 U	

					< 10.00 R
					< 10 U
					< 10 U
					< 10 U
					< 5 U
					< 5 U
					< 5 U
					< 5 U
					< 5 U
					< 5 U
					< 10 U
					< 5 U
< 0 U	< 0 U	< 0 U	< 0 U	< 0 U	
					< 5 U
					< 5 U
					< 5 U
					< 10 U
					< 10 U
					< 5 U

	< 10 U	< 10 U			
	< 10.00 R	< 10.00 R		< 10.00 R	
	< 10 U	< 10 U		< 10 U	
	< 10 U	< 10 U		< 10 U	
	< 10.00 R	< 10.00 R		< 10.00 R	
	< 5 U	< 5 U		< 5 U	
	< 5 U	< 5 U		< 5 U	
	< 5 U	< 5 U		< 5 U	
	< 5 U	< 5 U		< 5 U	
	0.64 J	**0.6 J**		< 5 U	
	< 5 U	< 5 U		< 5 U	
	< 10 UJ	< 10 UJ		< 10 UJ	
	0.88 J	**0.83 J**		**75 J**	
< 0 U			< 0 U		< 0 U
	< 5 U	< 5 U		< 5 U	
	< 5 U	< 5 U		< 5 U	
	< 5 U	< 5 U		< 5 U	
	< 10 U	< 10 U		< 10 U	
	< 10 U	< 10 U		< 10 U	
	< 5 U	< 5 U		< 5 U	

		< 10 U		
< 10.00 R		< 2500 R		
< 10 U		< 5000 U		
		6.00 NJ		
< 10 U		< 5000 U		
< 10.00 R		< 5000 U		
< 5 U		< 2500 U		
< 5 U		< 2500 U		
< 5 U		< 2500 U		
< 5 U		< 2500 U		
< 5 U		< 2500 U		
< 5 U		< 2500 U		
< 10 U		< 5000 U		
0.95 J		< 2500 U		
	< 0 U		**292**	**355**
< 5 U		< 2500 U		
< 5 U		< 2500 U		
< 5 U		< 2500 U		
< 10 U		< 5000 U		
< 10 U		< 5000 U		
< 5 U		**1200 J**		

					< 5.0 U
					< 10 U
					< 10 U
					< 10 U
					< 10 U,J,O
					< 5.0 U
					< 5.0 U
					< 5.0 U
					< 5.0 U
					0.84 J,O
					< 5.0 U
					< 5.0 U
					< 5.0 U
					< 5.0 U
208	**296 J**	**422 J**	**1050**	**2820**	**78**
					< 5.0 U
					< 5.0 U
					< 5.0 U
					< 5.0 U
					< 5.0 U
					< 5.0 U
					< 5.0 U
					< 5.0 U
					< 5.0 U
					< 5.0 U
					< 5.0 U
					< 5.0 U,J,O
					< 5.0 U
					< 5.0 U

< 10 U					
< 10.00 R					
< 2000 U					
< 2000 U					
< 2000 U					
< 1000 U					
< 1000 U					
< 1000 U					
< 1000 U					
< 1000 U					
< 1000 U					
< 2000 U					
< 1000 U					
	12.3	**7.1**	**7.75**	**11.3**	**4.2**
< 1000 U					
< 1000 U					
< 1000 U					
< 2000 U					
< 2000 U					
521.00 J					

		< 0.50 U	< 10.3 U		< 50 U
		< 0.50 U			< 50 U
		< 4.0 U	< 10.00 R		< 400 U
		< 1.0 U	< 10 U		< 100 U
		< 0.50 U			< 50 U
		< 0.50 U			< 50 U
		< 1.0 U	< 10 U		< 100 U
		< 4.0 U	< 10.00 R		< 400 U
		< 0.50 U	< 5 U		< 50 U
		< 0.50 U			< 50 U
		< 0.50 U	< 5 U		< 50 U
		< 1.0 U	< 5 U		< 100 U
		< 2.0 U	< 5 U		< 200 U
		< 0.50 U	< 5 U		< 50 U
		< 0.50 U	< 5 U		< 50 U
		< 0.50 U			< 50 U
		< 2.0 U	< 10 U		< 200 U
		< 0.50 U	< 5 U		< 50 U
3.6	**10.4**	**4.6**		**1660**	**720**
		< 0.50 U	< 5 U		< 50 U
		< 0.50 U			< 50 U
		< 0.50 U	< 5 U		< 50 U
		< 0.50 U			< 50 U
		< 0.50 U			< 50 U
		< 0.50 U	< 5 U		< 50 U
		< 0.50 U			< 50 U
		< 0.50 U			< 50 U
		< 1.0 U			< 100 U
		< 1.0 U			< 100 U
		< 2.0 U	< 10 U		< 200 U
		< 0.50 U	< 10.00 U		< 50 U
		< 0.50 U			< 50 U
		< 0.50 U			< 50 U
		< 0.50 U	< 5 U		< 50 U
		< 0.50 U			< 50 U
		< 0.50 U			< 50 U

< 9.9 U		< 0.50 U			
		< 0.50 U			
< 10.00 R		< 4.0 U	< 10.00 R		< 10.00 R
< 10 U		< 1.0 U	< 10 U		< 10 U
		< 0.50 U			
		< 0.50 U			
< 10.00 U		< 1.0 U	< 10 U		< 10 U
< 10.00 R		< 4.0 U	< 10.00 R		< 10.00 UJ
< 5 U		< 0.50 U	< 5 U		< 5 U
		< 0.50 U			
< 5 U		< 0.50 U	< 5.00 U		< 5 U
< 5 U		< 1.0 U	< 5 U		< 5 U
< 5 U		< 2.0 U	< 5 U		< 5 U
1.2 J		**3.2**	< 5 U		< 5 U
< 5 U		< 0.50 U	< 5 U		< 5 U
		< 0.50 U			
< 10 U		< 2.0 U	< 10 UJ		< 10.00 UJ
0.61 J		**0.25 J,O**	**0.74 J**		< 5 U
	1.8	**2.6**		< 0 U	
< 5 U		< 0.50 U	< 5.00 U		< 5 U
		< 0.50 U			
< 5 U		< 0.50 U	< 5.00 U		< 5 U
		< 0.50 U			
		< 0.50 U			
< 5 U		< 0.50 U	< 5 U		< 5 U
		< 0.50 U			
		< 0.50 U			
		< 1.0 U			
		< 1.0 U			
< 10 U		< 2.0 U	< 10 U		< 10 U
< 10 U		< 0.50 U	< 10.00 U		< 10 U
		< 0.50 U			
		< 0.50 U			
< 5 U		< 0.50 U	< 5 U		< 8.5 U
		< 0.50 U			
		< 0.50 U			

		< 0.50 U			< 5.0 U	< 5.0 U
		< 0.50 U				
	< 10.00 R	< 4.0 U	< 10.00 R		< 10 U	< 10 U
	< 10.00 U	< 1.0 U	< 10 U		< 10 U	< 10 U
		< 0.50 U				
		< 0.50 U				
	< 10.00 U	< 1.0 U	< 10 U		< 10 U	< 10 U
	< 10 U	< 4.0 U	< 10.00 R		< 10 U,J,O	< 10 U,J,O
	< 5 U	< 0.50 U	< 5 U		< 5.0 U	< 5.0 U
		< 0.50 U				
	< 5 U	< 0.50 U	< 5 U		< 5.0 U	< 5.0 U
	< 5 U	< 1.0 U	< 5 U		< 5.0 U	< 5.0 U
	< 5 U	< 2.0 U	< 5 U		< 5.0 U	< 5.0 U
	< 5 U	< 0.50 U	< 5 U		< 5.0 U	< 5.0 U
	< 5 U	< 0.50 U	< 5 U		< 5.0 U	< 5.0 U
		< 0.50 U			< 5.0 U	< 5.0 U
	< 10 U	< 2.0 U	< 10 U		< 5.0 U	< 5.0 U
	< 5 U	< 0.50 U	< 5 U		< 5.0 U	< 5.0 U
1.8		**0.82**		**1.2**	**3.5 J,O**	**3.4 J,O**
	< 5 U	< 0.50 U	< 5 U		< 5.0 U	< 5.0 U
		< 0.50 U			< 5.0 U	< 5.0 U
	< 5 U	< 0.50 U	< 5 U		< 5.0 U	< 5.0 U
		< 0.50 U				
		< 0.50 U			< 5.0 U	< 5.0 U
	< 5 U	< 0.50 U	< 5 U		< 5.0 U	< 5.0 U
		< 0.50 U			< 5.0 U	< 5.0 U
		< 0.50 U			< 5.0 U	< 5.0 U
		< 1.0 U			< 5.0 U	< 5.0 U
		< 1.0 U			< 5.0 U	< 5.0 U
	< 10 U	< 2.0 U	< 10 U		< 5.0 U	< 5.0 U
	< 10 U	< 0.50 U	< 10.00 U		< 5.0 U	< 5.0 U
		< 0.50 U			< 5.0 U,J,O	< 5.0 U,J,O
		< 0.50 U			< 5.0 U	< 5.0 U
	< 5 U	< 0.50 U	< 5 U		< 5.0 U	< 5.0 U
		< 0.50 U				
		< 0.50 U				

< 0.50 U	< 0.50 U	< 9.9 U			
< 0.50 U	< 0.50 U				
< 4.0 U	< 4.0 U	< 10 U		< 10.00 R	< 10.00 R
< 1.0 U	< 1.0 U	< 10 U		< 10.00 U	< 10 U
< 0.50 U	< 0.50 U				
< 0.50 U	< 0.50 U				
< 1.0 U	< 1.0 U	< 10 U		< 10 U	< 10 U
< 4.0 U	< 4.0 U	< 10.00 UJ		< 10.00 R	< 10.00 R
< 0.50 U	< 0.50 U	< 5 U		< 5 U	< 5 U
< 0.50 U	< 0.50 U				
< 0.50 U	< 0.50 U	< 5 U		< 5 U	< 5 U
< 1.0 U	< 1.0 U	< 5 U		< 5 U	< 5 U
< 2.0 U	< 2.0 U	< 5 UJ		< 5 U	< 5 U
0.34 J,O	**0.36 J,O**	< 5 U		**1.1 J**	< 5 U
< 0.50 U	< 0.50 U	< 5 U		< 5 U	< 5 U
< 0.50 U	< 0.50 U				
< 2.0 U	< 2.0 U	< 10 U		< 10.00 U	< 10 U
< 0.50 U	**0.22 J,O**	< 5 U		**1.6 J**	< 5 U
4.1	**4.2**		**2.7**		
< 0.50 U	< 0.50 U	< 5.00 U		< 5 U	< 5 U
< 0.50 U	< 0.50 U				
< 0.50 U	< 0.50 U	< 5 U		< 5 U	< 5 U
< 0.50 U	< 0.50 U				
< 0.50 U	< 0.50 U				
< 0.50 U	< 0.50 U	< 5 U		< 5 U	< 5 U
< 0.50 U	< 0.50 U				
< 0.50 U	< 0.50 U				
< 1.0 U	< 1.0 U				
< 1.0 U	< 1.0 U				
< 2.0 U	< 2.0 U	< 10.00 U		< 10 U	< 10 U
< 0.50 U	< 0.50 U	< 10 U		< 10 U	< 10 U
< 0.50 U	< 0.50 U				
< 0.50 U	< 0.50 U				
< 0.50 U	< 0.50 U	< 5.00 U		< 5 U	< 5 U
< 0.50 U	< 0.50 U				
< 0.50 U	< 0.50 U				

	< 10.80 U			
	< 10.00 R		< 5 U	< 5 U
	< 10 U		< 5 U	< 5 U
	< 10 U		< 3 U	< 5 U
	< 10.00 R		< 5 U	< 5 U
	< 5 U		< 1 U	< 1 U
	< 5 U		< 1 U	< 1 U
	< 5 U		< 1 U	< 1 U
	< 5 U		< 3 U	< 5 U
	< 5 U		< 1 U	< 1 U
	< 5 U		< 1 U	< 1 U
	< 10 U		< 1 U	< 1 U
	< 5 U		**2.1**	**2.3**
< 0 U		< 0 U		
	< 5 U		< 1 U	< 1 U
	< 5 U			
	< 5 U		< 1 U	< 1 U
	< 10 U		< 1 U	< 1 U
	< 10 U		< 1 U	< 1 U
	< 5 U		< 5 U	< 5 U

			< 9.9 U		
	< 10 U		< 10 U		< 10.00 R
	< 10 U		< 10 U		< 10 U
	< 10 U		< 10 U		< 10 U
	< 10 U		< 10 U		< 10.00 R
	< 5 U		< 5 U		< 5 U
	< 5 U		< 5 U		< 5 U
	< 5 U		< 5 U		< 5 U
	< 5 U		< 5 U		< 5 U
	< 5 U		< 5 U		< 5 U
	< 5 U		< 5 U		< 5 U
	< 10 U		< 10 U		< 10 UJ
	0.64 J		**0.77 J**		< 5 U
< 0 U		**0.56 J**		< 0 U	
	< 5 U		< 5 U		< 5 U
	< 5 U		< 5 U		< 5 U
	< 5 U		< 5 U		< 5.00 U
	< 10 U		< 10.00 U		< 10 U
	< 10 U		< 10 U		< 10 U
	< 5 U		< 5 U		< 5 U

		< 10.4 U			
< 5 U		< 10.00 R			< 10.00 R
< 5 U		< 10 U			< 10 U
< 3 U		< 10 U			< 10 U
< 5 U		< 10.00 R			< 10.00 R
< 1 U		< 5 U			< 5 U
< 1 U		< 5 U			< 5.00 U
< 1 U		< 5 U			< 5.00 U
< 5 U		< 5 U			< 5 U
< 1 U		< 5 U			< 5 U
< 1 U		< 5 U			< 5 U
< 1 U		< 10.00 U			< 10.00 UJ
0.37 J		**0.86 J**			< 5 U
	< 0 U		< 0 U	< 0 U	
< 1 U		< 5 U			< 5 U
		< 5 U			< 5 U
< 1 U		< 5 U			< 5 U
< 1 U		< 10 U			< 10 U
< 1 U		< 10 U			< 10 U
< 5 U		< 5 U			< 5 U

			< 10 U			
< 10.00 R	< 10.00 R	< 10 U	< 10.00 R			
< 10 U	< 10 U	< 10 U	< 10.00 U			
< 10.00 U	< 10 U	< 10 U	< 10 U			
< 10.00 R	< 10.00 R	< 10.00 UJ	< 10.00 UJ		**20.5**	**19.9**
< 6 U	< 5 U	< 5 U	< 5 U			
< 5 U	< 5.00 U	< 5 U	< 5 U			
< 5 U	< 5 U	< 5 U	< 5 U			
< 5 U	< 5 U	< 5 U	< 5 U			
< 5 U	< 5 U	< 5 U	< 5 U			
< 5 U	< 5.00 U	< 5 U	< 5 U			
< 10 U	< 10 U	< 10 U	< 10 UJ			
84 J	< 6 U	< 5 U	**0.53 J**			
< 5 U	< 5 U	< 5 U	< 5 U			
< 5 U	< 5 U	< 5 U	< 5 U			
< 5 U	< 6 U	< 5 U	< 5 U			
< 10 U	< 10 U	< 10 U	< 10.00 U			
< 10 U	< 10.00 U	< 10 U	< 10 U			
< 5 U	< 5 U	< 5 U	< 5 U			

					< 10 U
< 10 U			< 10 U	< 10 U	< 10 U
< 10 U			< 10 U	< 10 U	< 10 U
< 10 U			< 10 U	< 10 U	< 10 U
< 10 U			< 10 U	< 10 U	< 10.00 U
< 5 U			< 5 U	< 5 U	< 5 U
< 5 U			< 5 U	< 5 U	< 5 U
< 5 U			< 5 U	< 5 U	< 5 U
< 5 U			< 5 U	< 5 U	< 5.00 U
< 5 U			< 5 U	< 5 U	< 5 U
< 5 U			< 5 U	< 5 U	< 5.00 U
< 10 U			< 10 U	< 10 U	< 10 U
< 5 U			< 5 U	< 5 U	< 5 U
	< 0 U	< 0 U			
< 5 U			< 5 U	< 5 U	< 5 U
< 5 U			< 5 U	< 5 U	< 5 U
< 5 U			< 5 U	< 5 U	< 5 U
< 10 U			< 10 U	< 10 U	< 10 U
< 10 U			< 10 U	< 10 U	< 10 U
< 5 U			**1.40 J**	< 5 U	< 5 U

	< 5.0 U				
	< 10 U	< 10 U		< 10.00 R	
	< 10 U	< 10 U		< 10 U	
	< 10 U	< 10 U		< 10 U	
	< 10 U,J,O	< 10 UJ		< 10 U	
	< 5.0 U	< 5 U		< 5 U	
	< 5.0 U	< 5 U		< 5 U	
	< 5.0 U	< 5 U		< 5 U	
	< 5.0 U	< 5 UJ		< 5 U	
	< 5.0 U	< 5 U		< 5 U	
	< 5.0 U	< 5 U		< 5 U	
	< 5.0 U				
	< 5.0 U	< 10 U		< 10.00 U	
	< 5.0 U	< 5 U		< 5 U	
200	**18**		**1.5**		< 0 U
	< 5.0 U	< 5 U		< 6 U	
	< 5.0 U				
	< 5.0 U	< 5 U		< 5 U	
	< 5.0 U				
	< 5.0 U	< 5 U		< 5.00 U	
	< 5.0 U				
	< 5.0 U				
	< 5.0 U				
	< 5.0 U				
	< 5.0 U	< 10 U		< 10 U	
	< 5.0 U	< 10 U		< 10 U	
	< 5.0 U,J,O				
	< 5.0 U				
	< 5.0 U	< 5 U		< 5 U	

		< 5.0 U			
< 10.00 R		< 10 U	**19.4**		
< 10 U		< 10 U	< 5 U		
< 10 U		< 10 U	< 5 U		
< 10 U		< 10 U,J,O	**47.8**		
< 5 U		< 5.0 U	< 1 U		
< 6 U		< 5.0 U	< 1 U		
< 5.00 U		< 5.0 U	< 1 U		
< 5 U		< 5.0 U	< 5 U		
< 6 U		< 5.0 U	< 1 U		
< 5 U		< 5.0 U	< 1 U		
		< 5.0 U			
< 10 U		< 5.0 U	< 1 U		
< 5 U		< 5.0 U	**2.5**		
	< 0 U	< 5.0 U		< 0 U	**128**
< 5 U		< 5.0 U	< 1 U		
		< 5.0 U			
< 5 U		< 5.0 U			
		< 5.0 U			
< 5 U		< 5.0 U	< 1 U		
		< 5.0 U			
		< 5.0 U			
		< 5.0 U			
		< 5.0 U			
< 10.00 U		< 5.0 U	< 1 U		
< 10 U		< 5.0 U	< 0.16 U		
		< 5.0 U,J,O			
		< 5.0 U			
< 5 U		< 5.0 U	< 5 U		

< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 10 U					< 10 U	< 10 U	< 10 U
< 10 U					< 10 U	< 10 U	< 10 U
< 10 U					< 10 U	< 10 U	< 10 U
< 10 U,J,O	**12.3**	**12.4**	**10.5**	**6.67**	< 10 U,J,O	< 10 U,J,O	< 10 U,J,O
< 5.0 U,J,O					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U,J,O	< 5.0 U,J,O
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U	**2.36**	**1.33 J**			< 5.0 U	< 5.0 U	< 5.0 U
280 J,O					< 5.0 U	**840**	**650**
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U,J,O	< 5.0 U,J,O
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U,J,O	< 5.0 U,J,O
< 5.0 U					< 5.0 U	< 5.0 U,J,O	< 5.0 U,J,O
< 5.0 U,J,O					< 5.0 U,J,O	< 5.0 U,J,O	< 5.0 U,J,O
< 5.0 U					< 5.0 U	< 5.0 U,J,O	< 5.0 U,J,O
< 5.0 U	**2.95 J**	**1.94 J**	**2.44 J**	**1.98**	< 5.0 U	< 5.0 U	< 5.0 U

< 5.0 U
< 10 U
< 10 U
< 10 U
< 10 U,J,O
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
370
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U,J,O
< 5.0 U
< 5.0 U

o-Chlorotoluene (2-chlorotoluene)	95-49-8	ug/L			
o-Xylene	95-47-6	ug/L			
sec-Butylbenzene	135-98-8	ug/L			
Styrene	100-42-5	ug/L			
tert-Butylbenzene	98-06-6	ug/L			
Tetrachloroethene	127-18-4	ug/L	< 0 U	< 0 U	< 0 U
Toluene	108-88-3	ug/L			
trans-1,2-Dichloroethene	156-60-5	ug/L	< 0 U	< 0 U	< 0 U
trans-1,3-Dichloropropene	10061-02-6	ug/L			
Trichloroethene	79-01-6	ug/L	**4.7**	**5.3**	**5**
Trichlorofluoromethane (Freon 11)	75-69-4	ug/L			
Vinyl chloride	75-01-4	ug/L	**5.1**	**2.2**	**1.38**
Xylene, Total	1330-20-7	ug/L			

NOTES:

U = analyte not detected above the reference reporting limit

J = estimated concentration

O = qualifier indicating the reported value is estimated due to the presence of interference or quality exception.

< 0 U	< 0 U	< 0 U	< 0 U	< 0 U
< 0 U	< 0 U	< 0 U	< 0 U	< 0 U
3.7	**2.1**	**2.2**	**3.4**	**0.84**
0.65 J	< 0 U	< 0 U	**1.6**	< 0 U

< 0 U	< 0 U	< 0 U	< 0 U	< 0 U
< 0 U	< 0 U	< 0 U	< 0 U	< 0 U
< 0 U	< 0 U	< 0 U	< 0 U	< 0 U
< 0 U	< 0 U	< 0 U	< 0 U	< 0 U

< 0 U	< 0 U	< 0 U	**0.78 J**	< 0 U
< 0 U	< 0 U	< 0 U	< 0 U	< 0 U
< 0 U	**96.3**	**3.3**	**84.9**	< 0 U
< 0 U	< 0 U	< 0 U	< 0 U	< 0 U

3.4	**34.3**	**41.1**	**40.8**	**40.3**
< 0 U	**1.29**	**4.6**	**4.1**	**4.2**
7970	**54900**	**53200**	**80700**	**83300**
< 0 U	**1.17**	**1.2**	**2.5**	**2.8**

31.8	**5.5**	**5.57**	**3.9**	**6.1**
4.5	**4.4**	**4.65**	**2.8**	**6**
39000	**22900**	**24200**	**13200**	**28500**
< 0 U	**12.9**	**14.8**	**10**	**19.4**

				< 5 U	< 5 U
< 0 U	**3.6**	< 0.49 U	**1.4 J**	< 5 U	**0.56 J**
		< 0.85 U	< 0.85 U	< 5 U	< 5 U
< 0 U	**3.3**	< 0.55 U	< 0.55 U		
24800	**15600**	< 0.42 U	< 0.42 U	< 5 U	< 5 U
< 0 U	**6.9**	< 0.47 U	< 0.47 U	< 10 U	< 10 U
				< 5 U	< 5 U

	< 5.0 U					
< 5 U	< 5.0 U	< 5 U	< 5 U	< 5 U		
2 J	**0.58 J,O**	**2.4 J**	< 5 U	< 5 U	< 0.49 U	< 0.49 U
< 5 U	< 5.0 U	< 5 U	< 5 U	< 5 U	< 0.85 U	< 0.85 U
	< 5.0 U				< 0.55 U	< 0.55 U
	< 5.0 U		< 5 U	< 5 U		
< 5 U	**1.7 J,O**	< 5 U	**1.3 J**	< 5 U	< 0.42 U	< 0.42 U
	< 5.0 U					
< 10 U	< 5.0 U	< 10 U	< 10 U	< 10 U	< 0.47 U	< 0.47 U
< 5 U		< 5 U	< 5 U	< 5 U		

< 0.49 U	< 0.49 U	< 0.49 UJ	< 0.49 U	**3.4 J**	**4.4 J**	< 0.49 U
< 0.85 U	< 0.85 U	< 0.85 UJ	< 0.85 U	< 0.85 UJ	< 0.85 UJ	< 0.85 U
< 0.55 U	< 0.55 U	< 0.55 UJ	< 0.55 U	< 0.55 UJ	**3.7 J**	< 0.55 U
< 0.42 U	**7.3**	< 0.42 UJ	< 0.42 U	**11000 J**	**62000 J**	**17**
< 0.47 U	< 0.47 U	< 0.42 UJ	< 0.47 U	< 0.47 UJ	**80 J**	< 0.47 U

< 0.49 U	< 0.49 U	< 0.98 U	**1 J**	< 0.49 U	< 0.49 U	< 0.49 U
< 0.85 U	< 0.85 U	< 1.7 U	< 0.85 U	< 0.85 U	< 0.85 U	< 0.85 U
< 0.55 U	< 0.55 U	< 1.1 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U
< 0.42 U	**30**	**340**	**1.9 J**	**3.5 J**	**5100**	< 0.42 U
< 0.42 U	< 0.47 U	< 0.94 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U

< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U
< 0.85 U	< 0.85 U	< 0.85 U	< 0.85 U	< 0.85 U	< 0.85 U	< 0.85 U
< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U
< 0.42 U	< 0.42 U	**340**	< 0.42 U	**1.6 J**	**6.5**	**300**
< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U

< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U
< 0.85 U	**7.2**	< 0.85 U	< 0.85 U	< 0.85 U	< 0.85 U	< 0.845 U
< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.545 U
91	**550**	**4.9 J**	**62**	**15**	< 0.42 U	< 0.42 U
< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U

< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U
< 0.85 U	< 0.85 U	< 0.85 U	< 0.85 U	< 0.85 U	< 0.85 U	< 0.85 U
< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U
< 0.42 U	< 0.42 U	**53 J**	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U
< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U

< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 UJ	< 0.49 U	< 0.49 U	
< 0.85 U	< 0.85 U	< 0.85 U	< 0.85 UJ	< 0.85 U	< 0.85 U	
< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 UJ	< 0.55 U	< 0.55 U	
< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 UJ	< 0.42 U	**1.8 J**	
< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 UJ	< 0.47 U	< 0.47 U	

< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U
< 0.85 U	< 0.85 U	< 0.85 U	< 0.85 U	< 0.85 U	< 0.85 U	< 0.85 U
< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U
< 0.42 U	**130**	< 0.42 U	**110 J**	< 0.42 U	**12**	< 0.42 U
< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U

					< 5 U	< 5 U
< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 UJ		< 5 U	< 5 U
< 0.85 U	< 0.85 U	< 0.85 U	< 0.85 UJ		< 5 U	< 5 U
< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 UJ			
< 0.42 U	< 0.42 U	< 0.42 U	**570 J**		**1.4 J**	**2 J**
< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 UJ		< 10 U	< 10 U
					< 5 U	< 5 U

< 5 U	< 5 UJ	< 5 U	< 5 U		
< 5 U	< 5 UJ	< 5 U	< 5 U		
< 5 U	< 5 UJ	< 5 U	< 5 U		
< 0.5 U					
61.3	**13.3 J**	**23.2**	**1.4 J**		
< 10 U	< 10 UJ	< 10 U	< 10 U		
< 5 U	< 5 UJ	< 5 U	< 5 U		

< 5 U	< 5 U	< 5 U	< 5 U		
0.87 J	< 5 U	< 5 U	< 5 U		
< 5 U	< 5 U	< 5 U	< 5 U		
< 0.5 U			< 0.5 U		
179	**144**	**9.6**	**54.7**		
< 10 U	< 10 U	< 10 U	< 10 U		
< 5 U	< 5 U	< 5 U	< 5 U		

			< 5 U	< 5 U	< 5 U
			< 5 U	< 5 U	< 5 U
			< 5 U	< 5 U	< 5 U
	323	**24.6**	< 5 U	**1.2 J**	**1.5 J**
			< 10 U	< 10 U	< 10 U
			< 5 U	< 5 U	< 5 U

< 5 U		< 5 U	< 5 U		< 5 U
0.91 J	< 0 U	< 5 U	**1.4 J**	< 0 U	< 5 U
< 5 U		< 5 U	< 5 U		< 5 U
	< 0 U			< 0 U	
8.5	**1.5**	< 5 U	**51.2**	**7.8**	**0.65 J**
< 10 U	< 0 U	< 10 U	< 10 U	< 0 U	< 10 U
< 5 U		< 5 U	< 5 U		< 5 U

< 5 U	< 5 U		< 5 U	
< 5 U	< 5 U	< 0 U	< 5 U	< 0 U
< 5 U	< 5 U		< 5 U	
		< 0 U		< 0 U
< 5 U	**2.3 J**	< 0 U	< 5 U	< 0 U
< 10 U	< 10 U	< 0 U	< 10 U	< 0 U
< 5 U	< 5 U		< 5 U	

					< 5 U
< 0 U	< 0 U	< 0 U	< 0 U	< 0 U	< 5 U
					< 5 U
< 0 U	< 0 U	< 0 U	< 0 U	< 0 U	
< 0 U	< 0 U	< 0 U	< 0 U	< 0 U	< 5 U
< 0 U	< 0 U	< 0 U	< 0 U	< 0 U	< 10 U
					< 5 U

	< 5 U	< 5 U		< 5 U	
< 0 U	**0.92 J**	**1 J**	< 0 U	< 5 U	< 0 U
	< 5 U	< 5 U		< 5 U	
< 0 U			< 0 U		< 0 U
0.36 J	**30.5**	**29.7**	**14.4**	**46.4**	**13.1**
< 0 U	< 10 U	< 10 U	< 0 U	< 10 U	< 0 U
	< 5 U	< 5 U		< 5 U	

< 5 U		< 2500 U		
0.51 J	< 0 U	< 2500 U	< 0 U	**36.4**
< 5 U		< 2500 U		
	< 0 U		< 0 U	**2.8**
9.60	**2.2**	**59900 D**	**47100**	**37800**
< 10 U	< 0 U	< 5000 U	< 0 U	**6.8**
< 5 U		< 2500 U		

					< 5.0 U
					< 5.0 U
47.3	**36**	**31.6**	**28.4**	**20.4**	**11**
					< 5.0 U
1.23	**4.5**	**5.5**	**6.1**	**7.9**	**0.53 J,O**
					< 5.0 U
41600	**33200**	**43800**	**38500**	**33900**	**20000**
					< 5.0 U
2.98	**6.2**	**9.1**	**9**	**4.9**	**7.0**

< 1000 U					
< 1000 U	**0.34**	< 0 U	< 0 U	< 0 U	< 0 U
< 1000 U					
	< 0 U	< 0 U	< 0 U	< 0 U	< 0 U
23700 D	**1950**	**900**	**535**	**582**	**234**
< 2000 U	< 0 U	< 0 U	< 0 U	< 0 U	< 0 U
< 1000 U					

		< 0.50 U			< 50 U
		< 0.50 U			< 50 U
		< 0.50 U			< 50 U
		< 0.50 U	< 5 U		< 50 U
		< 0.50 U			< 50 U
< 0 U	< 0 U	**0.24 J,O**	< 5 U	**12.1**	< 50 U
		< 0.50 U	< 5 U		< 50 U
< 0 U	< 0 U	< 0.50 U		**4.7**	< 50 U
		< 0.50 U			< 50 U
165	**662**	**770**	**11.1**	**31880**	**27000**
		< 0.50 U			< 50 U
< 0 U	< 0 U	< 0.50 U	< 10 U	< 0 U	< 50 U
			< 5 U		

		< 0.50 U			
		< 0.50 U			
		< 0.50 U			
< 5 U		< 0.50 U	< 5 U		< 5 U
		< 0.50 U			
< 5 U	< 0 U	**0.23 J,O**	< 5 U	< 0 U	< 5 U
< 5 U		**0.12 J,O**	< 5 U		< 5 U
	< 0 U	< 0.50 U		< 0 U	
		< 0.50 U			
283 D	**91.2**	**90**	**45.5**	**118**	< 5 U
		< 0.50 U			
< 10 U	< 0 U	< 0.50 U	< 10 U	< 0 U	< 10 U
< 5 U			< 5 U		< 5.00 U

		< 0.50 U				
		< 0.50 U			< 5.0 U	< 5.0 U
		< 0.50 U				
	< 5 U	< 0.50 U	< 5 U		< 5.0 U	< 5.0 U
		< 0.50 U				
< 0 U	< 5 U	< 0.50 U	< 5 U	< 0 U	< 5.0 U	< 5.0 U
	< 5 U	< 0.50 U	< 5 U		< 5.0 U	< 5.0 U
< 0 U		< 0.50 U		< 0 U	< 5.0 U	< 5.0 U
		< 0.50 U			< 5.0 U	< 5.0 U
0.91 J	**763 D**	**79**	**136 D**	**245**	**220**	**210**
		< 0.50 U			< 5.0 U	< 5.0 U
< 0 U	< 10 U	< 0.50 U	< 10 U	< 0 U	< 5.0 U	< 5.0 U
	< 5 U		< 5 U			

< 0.50 U	< 0.50 U				
< 0.50 U	< 0.50 U				
< 0.50 U	< 0.50 U				
< 0.50 U	< 0.50 U	< 5 U		< 5 U	< 5 U
< 0.50 U	< 0.50 U				
0.15 J,O	< 0.50 U	< 5 U	< 0 U	**0.9 J**	< 5 U
< 0.50 U	< 0.50 U	< 5 U		< 5 U	< 5 U
< 0.50 U	< 0.50 U		< 0 U		
< 0.50 U	< 0.50 U				
210	**210**	**327 D**	**359**	**53.5**	**1.70 J**
< 0.50 U	< 0.50 U				
< 0.50 U	< 0.50 U	< 10 U	< 0 U	< 10 U	< 10 U
		< 5 U		< 5 U	< 5 U

	< 5 U		< 1 U	< 1 U
< 0 U	< 5 U	< 0 U	< 1 U	**0.39 J**
	< 5 U		< 1 U	< 1 U
< 0 U		< 0 U		
1.1	**26.2**	**65.6**	**427 D**	**371 D**
< 0 U	< 10 U	< 0 U	< 1 U	< 1 U
	< 5 U		< 3 U	< 3 U

	< 5 U		< 5 U		< 5 U
0.4 J	< 5 U	**0.36 J**	< 5 U	< 0 U	< 5 U
	< 5 U		< 5 U		< 5 U
< 0 U		< 0 U		< 0 U	
309	**11.8**	**36**	**17**	**9.8**	**27.4**
< 0 U	< 10 U	< 0 U	< 10 U	< 0 U	< 10 U
	< 5 U		< 5 U		< 5 U

< 1 U		< 5 U			< 5 U
< 1 U	< 0 U	**52 J**	< 0 U	< 0 U	< 5 U
< 1 U		< 5 U			< 5 U
	< 0 U		< 0 U	< 0 U	
91.2	**4.9**	**12.2**	**9.7**	**1.5**	< 5 U
< 1 U	< 0 U	< 10 U	< 0 U	< 0 U	< 10 U
< 3 U		< 5 U			< 5 U

< 5 U	< 5 U	< 5 U	< 5 U			
0.58 J	< 5 U	< 5 U	< 5 U			
< 5 U	< 5 U	< 5 U	< 5 U			
5.9	**3.8 J**	**12**	< 5 U	**1.44**	**1.49**	
< 10 U	< 10 U	< 10 U	< 10 U			
< 5 U	< 5 U	< 5 U	< 5 U			

< 5 U			< 5 U	< 5 U	< 5 U
< 5 U	< 0 U	< 0 U	< 5 U	< 5 U	**2.2 J**
< 5 U			< 5 U	< 5 U	< 5 U
	< 0 U	< 0 U			
205.00	< 0 U	< 0 U	**704.00**	**919.00**	**391000 D**
3.00 J	< 0 U	< 0 U	< 10 U	< 10 U	< 10 U
< 5 U			< 5 U	< 5 U	< 5 U

	< 5.0 U				
	< 5.0 U	< 5 U		< 5 U	
6.4	**0.76 J,O**	< 5 U	< 0 U	< 5 U	< 0 U
	< 5.0 U	< 5 U		< 5 U	
1.8	< 5.0 U		< 0 U		< 0 U
	< 5.0 U				
14100	**3400**	**124 D**	**365**	**279 D**	**0.76 J**
	< 5.0 U				
< 0 U	< 5.0 U	< 10 U	< 0 U	< 10 U	< 0 U
		< 5 U		< 5 U	

		< 5.0 U			
< 5 U		< 5.0 U	< 1 U		
< 5 U	< 0 U	< 5.0 U	< 1 U	**0.41 J**	**4.3**
< 5 U		< 5.0 U	< 1 U		
	< 0 U	< 5.0 U		< 0 U	**1.6**
		< 5.0 U			
284 D	**206**	**350**	**104 J**	**210**	**12400**
		< 5.0 U			
< 10 U	< 0 U	< 5.0 U	< 1 U	< 0 U	< 0 U
1.00 J			< 3 U		

< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
3.2 J,O					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
5.1					< 5.0 U	**3.6 J,O**	**3.2 J,O**
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
11000					**0.67 J,O**	**13**	**140**
< 5.0 U					< 5.0 U	< 5.0 U	< 5.0 U
< 5.0 U					< 5.0 U	**170 J,O**	**190 J,O**

< 5.0 U
< 5.0 U
< 5.0 U
< 5.0 U
1.3 J,O
< 5.0 U
170
< 5.0 U
100

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