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SUPPLEMENTAL RESOURCE CONSERVATION AND RECOVERY ACT FACILITY INVESTIGATION AND REMEDIAL INVESTIGATION REPORT FOR EIGHT SITES APPENDICES F THROUGH H NAS KEY WEST FL

1/1/1998

BROWN AND ROOT ENVIRONMENTAL

0103

Supplemental RCRA Facility Investigation and Remedial Investigation Report

Appendices F-H

for

Eight Sites
Naval Air Station
Key West, Florida

Southern Division
Naval Facilities Engineering Command

Contract Number N62467-94-D-0888

Contract Task Order 0007

January 1998

Brown & Root Environmental

Revision 2

7046-PC

APPENDICES F - H

AIK-98-0001

SUPPLEMENTAL RCRA FACILITY INVESTIGATION AND REMEDIAL INVESTIGATION REPORT

EIGHT SITES
NAVAL AIR STATION
KEY WEST, FLORIDA

COMPREHENSIVE LONG-TERM
ENVIRONMENTAL ACTION NAVY (CLEAN) CONTRACT

Submitted to:
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
North Charleston, South Carolina 29406

Submitted by:
Brown & Root Environmental
661 Anderson Drive
Foster Plaza 7
Pittsburgh, Pennsylvania 15220

CONTRACT NUMBER N62467-94-D-0888
CONTRACT TASK ORDER 0007

JANUARY 1998

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APPENDIX F

BACKGROUND REPORT

APPENDIX F

Rev. 2
1/16/98

COMPREHENSIVE BACKGROUND REPORT
FOR
NAVAL AIR STATION
KEY WEST, FLORIDA

COMPREHENSIVE LONG-TERM
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Submitted to:
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JANUARY 1998

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EXECUTIVE SUMMARY

This report describes the background characterization performed at Naval Air Station (NAS) Key West, Florida. The characterization used historical data collected at NAS Key West by previous contractors, as well as samples collected in 1996 by Brown & Root Environmental (B&R Environmental). The historical data consisted of groundwater, surface water, sediment, and soil analyses. B&R Environmental data were collected during two sampling events that coincided with the two supplemental field investigations conducted by B&R Environmental at NAS Key West. In January 1996, soil, sediment, surface-water, groundwater, fish and oyster samples were collected from Boca Chica Key for chemical analysis. In addition, soil, water, and sediment were collected for toxicity tests. From August to October 1996, sampling was conducted at other background sites. The August to October 1996 sampling consisted of the collection and chemical analyses of groundwater, surface-water, sediment, soil, fish, mollusk (conch), crustacean (lobster, crab), and vegetation samples from Key West, Dredgers Key, Wisteria Island, Geiger Key, and nearshore waters. This report considers the background data from both B&R Environmental field investigations (January and August 1996) and earlier studies in determining representative background concentrations in soil, sediment, groundwater, surface water, and biota at NAS Key West.

Background concentrations will be used as a tool in characterizing the nature and extent of contamination and in performing ecological and human health risk assessments at eight sites under investigation in the Supplemental Resource Conservation and Recovery Act Facility Investigation/Remedial Investigation. Descriptive statistics were determined for each parameter detected in the background groundwater, sediment, soil, surface-water and biota data sets. This included the calculation of minimum values, maximum values, arithmetic means, and standard deviations for each detected parameter in a given medium.

In general, only relatively low levels of compounds were detected in NAS Key West background groundwater, sediment, soil, and surface water. Metals were the most frequently detected compounds in all four media, followed by pesticides in soil and sediment. A few volatile and semivolatile organic compounds were detected in each medium, although occurrences were isolated. Both the pesticide and inorganic data are representative of wide spread soil background conditions in the vicinity of NAS Key West, due both to the high frequency of detection and to the nature of such compounds. Inorganics are commonly found in nature and are considered ubiquitous, while pesticides have a long history of use in the area around NAS Key West. While volatile and semivolatile contamination could be a consequence of widespread fuel and solvent use in our industrialized society, the detected organics also include common

laboratory and rinsate contaminants. Overall, the data in this report provide an adequate characterization of background conditions for soil, sediment, surface water, and groundwater in the vicinity of NAS Key West.

B&R Environmental collected 142 biological samples of 25 species from eight background sites during the January and August sampling events. Analyses of volatile organic compounds, semivolatile organic compounds, polychlorinated biphenyls, pesticides, and most metals were within the range of values considered normal for background conditions, and indicate negligible tissue contamination at background sites. Concentrations of lead and arsenic in some tissue samples exceeded background values identified in literature sources. Overall, however, tissue concentrations collected from background sites show little evidence of contamination problems, and the data indicate that tissues collected from these sites provide a data set that is indicative of background conditions at NAS Key West.

1.0 INTRODUCTION

This background report was prepared by Brown & Root Environmental (B&R Environmental) on behalf of the United States Navy, Naval Facilities Engineering Command, Southern Division and the Naval Air Station (NAS) Key West. This report was completed under Comprehensive Long-Term Environmental Action - Navy (CLEAN) Contract Number N62467-94-D-0888, Contract Task Order 0007.

In January 1996, background data from Boca Chica Key were collected in order to establish a representative background data set for use with the four Boca Chica Key Resource Conservation and Recovery Act (RCRA) sites under investigation at the time. That smaller, more specific data set was analyzed and discussed in Appendix J of the *Final Supplemental RFI/RI Report for NAS Key West High Priority Sites, Boca Chica Key, Florida* (B&R Environmental 1997). Since the eight additional Comprehensive Environmental Restoration, Compensation, and Liability Act (CERCLA) and RCRA sites currently under investigation are more geographically widespread, additional background samples were collected to expand the geographical extent of the background data and create a data set representative of general NAS Key West background conditions, rather than those specific to Boca Chica Key. The data from Boca Chica Key were incorporated into the Comprehensive Background Data Set, as were background samples from other locations in the vicinity of NAS Key West.

This report summarizes available background chemical-analytical data on samples collected on and in the vicinity of Key West, Dredgers Key, Wisteria Island, Geiger Key, and Boca Chica Key, Florida, for the characterization of background conditions at NAS Key West. This characterization includes an evaluation of soil, surface water, sediment, groundwater, and biota, and is necessary for defining the nature and extent of contamination, completing the human health and ecological risk assessments, and supporting the corrective measures study of remedial alternatives for RCRA Facility Investigation (RFI) and CERCLA sites.

1.1 PURPOSE

Background sampling and analysis are conducted to ensure that site-related contamination can be distinguished from naturally occurring or other nonsite-related anthropogenic compounds. The presence of chemicals in background samples can be attributed to either naturally occurring ambient concentrations of chemicals in the environment (e.g., aluminum, manganese), or concentrations of chemicals that are in the environment as a result of nonsite-related human activities (e.g., industry, agriculture, automobile

emissions). In general, sites that contain chemical constituents below or close to levels detected in background samples are not considered contaminated sites that require remedial action. Representative background values determined in this report will be used as screening criteria in evaluating the nature and extent of contamination at potentially contaminated sites, and as a tool in the risk assessments.

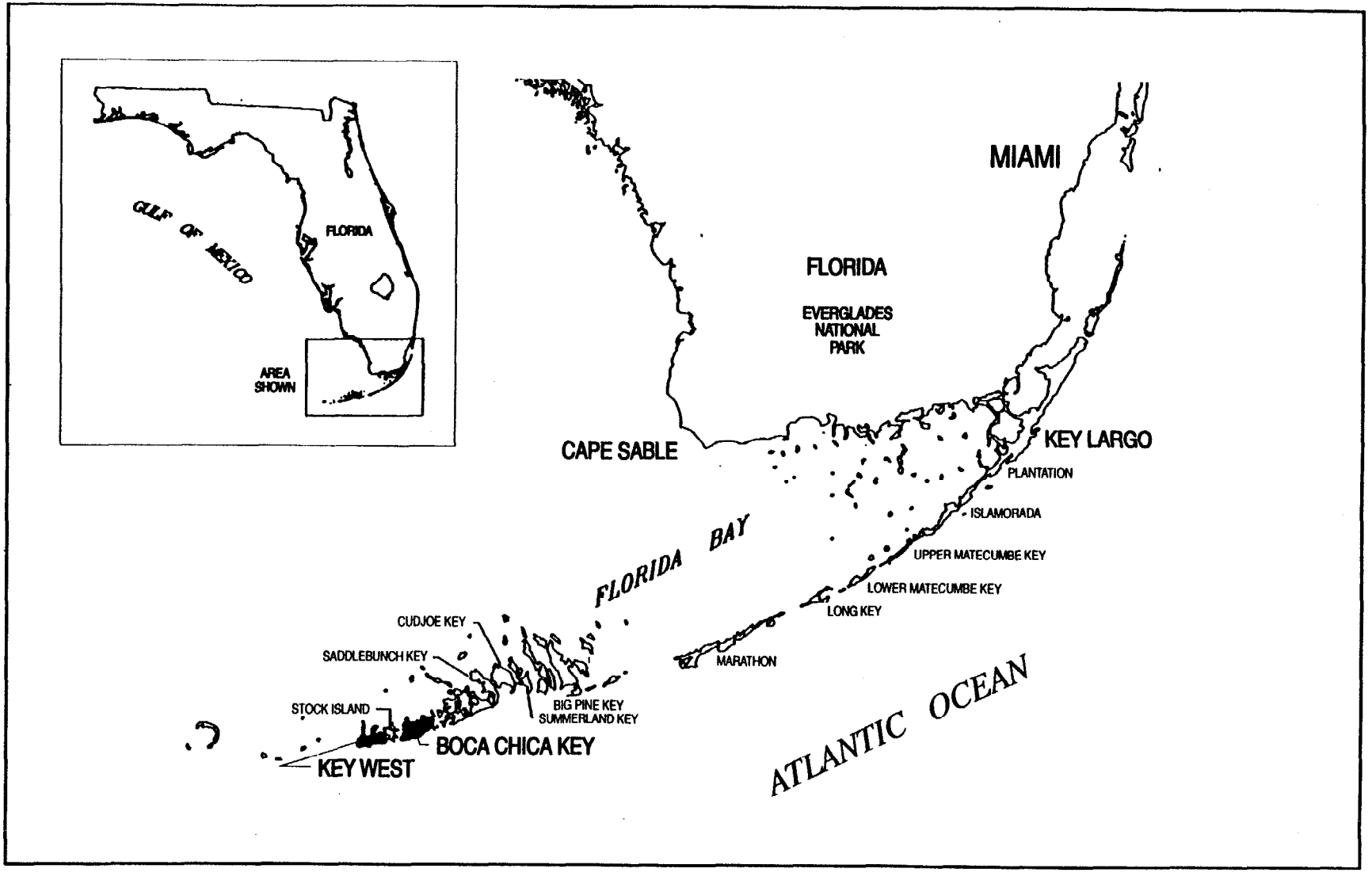
Background samples are collected at or near locations of potential contamination in areas that are unlikely to have received chemical releases from site activities, with media that have the same basic physical and geochemical characteristics as the media of concern at the site. Knowledge of upgradient, upwind, and upstream conditions is critical in the identification of background locations. The analytical results for background samples, applicable state and Federal regulatory standards and guidance criteria, and human health and ecological risk assessment techniques will provide the primary basis to evaluate analytical results for NAS Key West sites in the Supplemental RFI/RI Report.

Although the background analysis followed detailed Florida Department of Environmental Protection (FDEP) and U.S. Environmental Protection Agency (EPA) protocols, this report does not include these protocols, since they are thoroughly described in other sections of the Supplemental RFI/RI Report.

There are well-established media-specific criteria for protection of soil, sediment, surface water, and groundwater; these include Applicable, Relevant, or Appropriate Requirements (ARARs) and Screening Action Levels (SALs). Along with background concentrations, ARARs and SALs will be employed to characterize the nature and extent of contamination at the RCRA and CERCLA sites addressed by the Supplemental RFI/RI for the eight sites under investigation. There are no uniformly accepted standards for tissue concentrations that are protective of fish, other aquatic organisms and wildlife. Rather various agencies and experts have proposed disparate action and alert levels. Therefore, the discussion of background tissue results in Section 7.0 differs from the discussions of nonbiotic media in Sections 3.0 through 6.0. Section 7.0 discusses analytes detected in tissue in relation to each analyte's normal background tissue concentration and the threshold at which the chemical is considered toxic to the organism and to fish and wildlife consumers of that organism.

1.2 SITE HISTORY

NAS Key West is in southern Monroe County, Florida, approximately 150 miles southwest of Miami (Figure 1-1). Several naval installations in various parts of the lower Florida Keys comprise what is known as the Naval Complex at Key West. Most of these are in the vicinity of Key West and Boca Chica Key, the



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0 20 40
SCALE IN MILES

FIGURE 1-1. FACILITY LOCATION MAP
NAS KEY WEST

NAS KEY WEST — KEY WEST, FLORIDA

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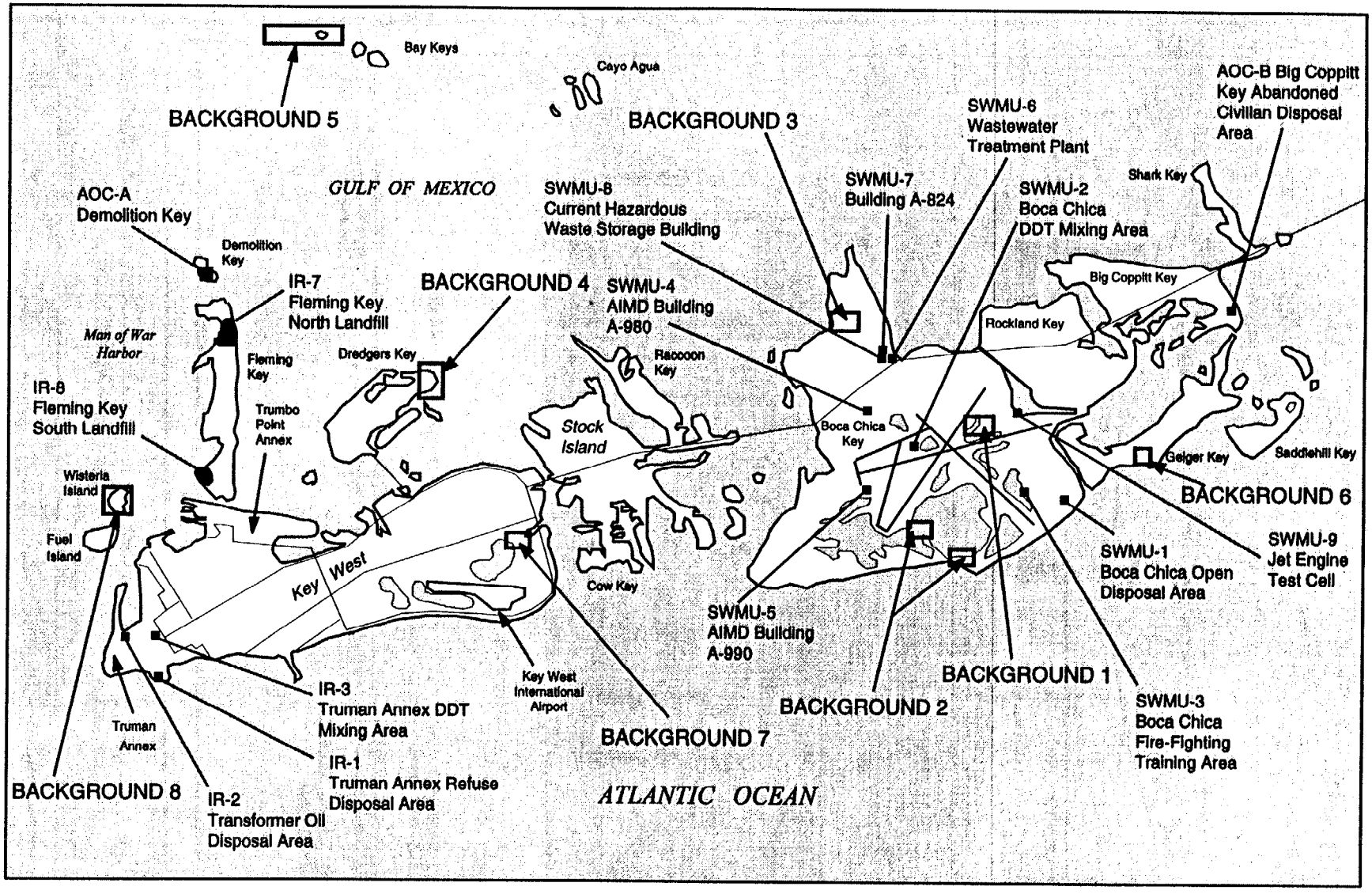
two westernmost major islands of the Florida Keys. The entire complex encompasses approximately 5,000 acres. The air station encompasses 3,250 acres on Boca Chica Key and 260 acres on Key West. The elevations of Key West and Boca Chica Key are less than 5 feet above mean sea level (msl) except for filled areas that underlie the overseas highway (IT 1994).

B&R Environmental is performing a supplemental Phase II RFI/RI at NAS Key West under contract to the Unites States Navy. This work will supplement the RFI/RI conducted by IT Corporation from 1992 through 1994. The purpose of the current investigation is to further characterize the background conditions and to better delineate the nature and extent of contamination at NAS Key West Solid Waste Management Units (SWMUs), Installation Restoration (IR) sites, and Areas of Concern (AOCs). In January 1996, an investigation of the Boca Chica-wide and site-specific background locations was conducted in conjunction with the supplemental RFI/RI for SWMUs 1, 2, 3 and 9 on Boca Chica Key. These four SWMUs were selected for the initial phase of the Supplemental RFI/RI because they are considered high-priority sites at NAS Key West. The amount of funding originally available for FY96 was adequate to support the supplemental RFI at SWMUs 1, 2, 3, and 9. Additional funding was obtained in FY96 and investigations of SWMUs 4, 5 and 7; IR sites 1, 3, 7, and 8; and AOC B on Key West and nearby islands began in August 1996. The supplemental RFI is being conducted in accordance with the Hazardous and Solid Waste Amendments (HSWA) Permit No. FL6-170-022-952 issued by EPA and CERCLA guidance. B&R Environmental is conducting the investigation in accordance with the Supplemental RFI/RI Workplan prepared by ABB Environmental Services, Inc. (ABB 1995).

Characterization of background conditions is based primarily on analyses of samples collected in January 1996 from three sitewide areas and in August through October 1996 from five additional sitewide areas (Figure 1-2). These sites, BG 1 through BG 8, are considered to represent NAS Key West background conditions. The background characterization also includes background data from samples collected during the Supplemental RFI/RI and previous investigations at SWMUs 1, 2, 3, 4, and 7 and IR 1, 3, 7 and 8. Sources of background data used in this characterization are discussed in Section 2.0.

1.3 GEOLOGY AND HYDROGEOLOGY

The Lower Keys are underlain by an oolitic member of the Pleistocene Miami Limestone. The Miami Oolite consists of rock units of calcium carbonate and small spherical calcareous grains (ooids) that underlie the Miami Oolite on all the Lower Keys. It consists of cemented remains of ancient coral reefs, fossils, and shells. Hoffmeister (1974) reported that the Miami Oolite is 27 feet thick. Figure 1-3 shows a generalized geologic cross-section of the Florida Keys.



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0 1.5 3.0
Scale in Miles (Approximate)

FIGURE 1-2. NAS KEY WEST
INSTALLATION RESTORATION AND BACKGROUND SITES
NAS KEY WEST
KEY WEST, FLORIDA

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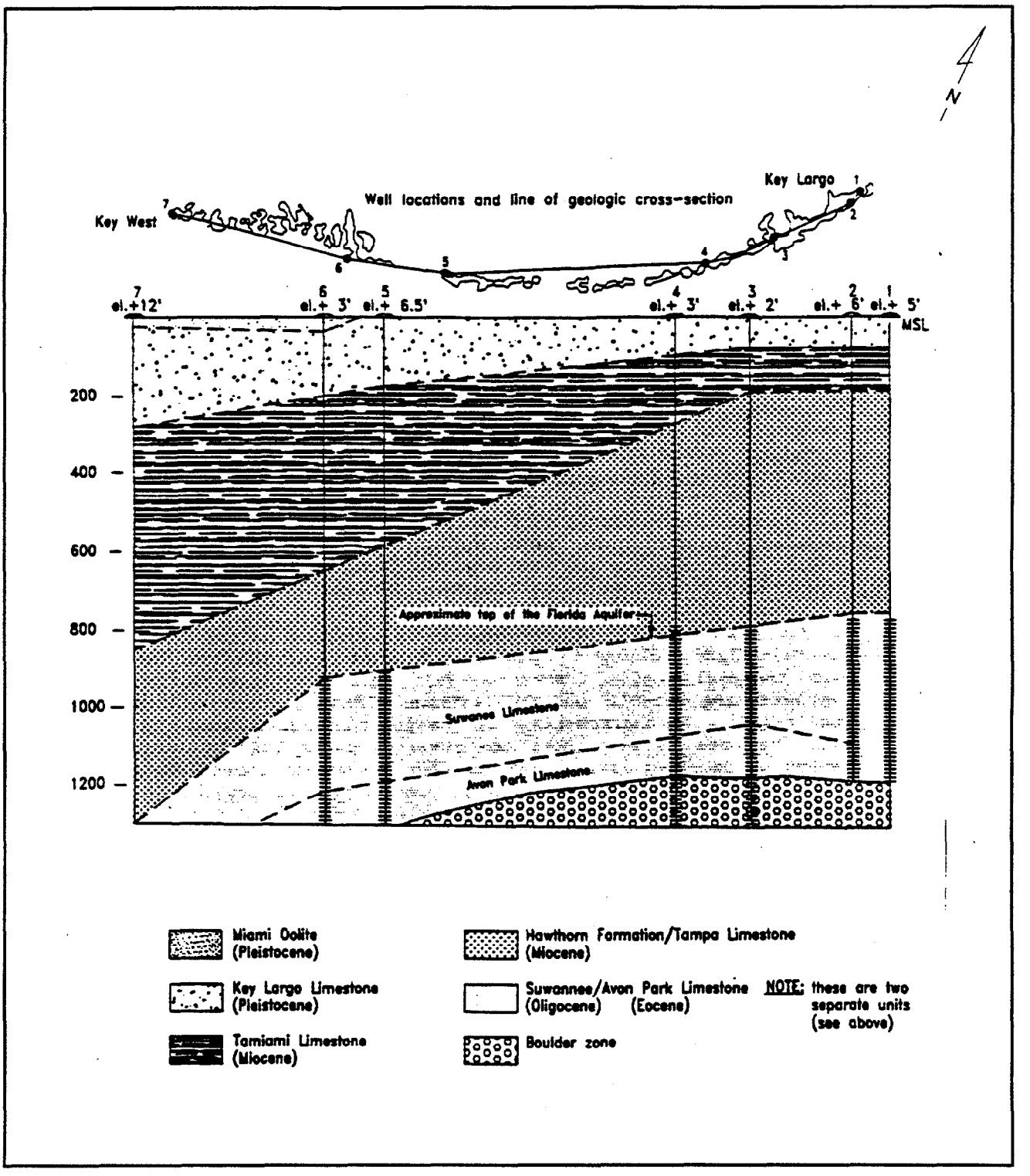

Brown & Root Environmental

0 16 32
SCALE IN MILES (APPROXIMATE)

FIGURE 1-3. GEOLOGIC CROSS-SECTION OF THE FLORIDA KEYS

NAS KEY WEST — KEY WEST, FLORIDA

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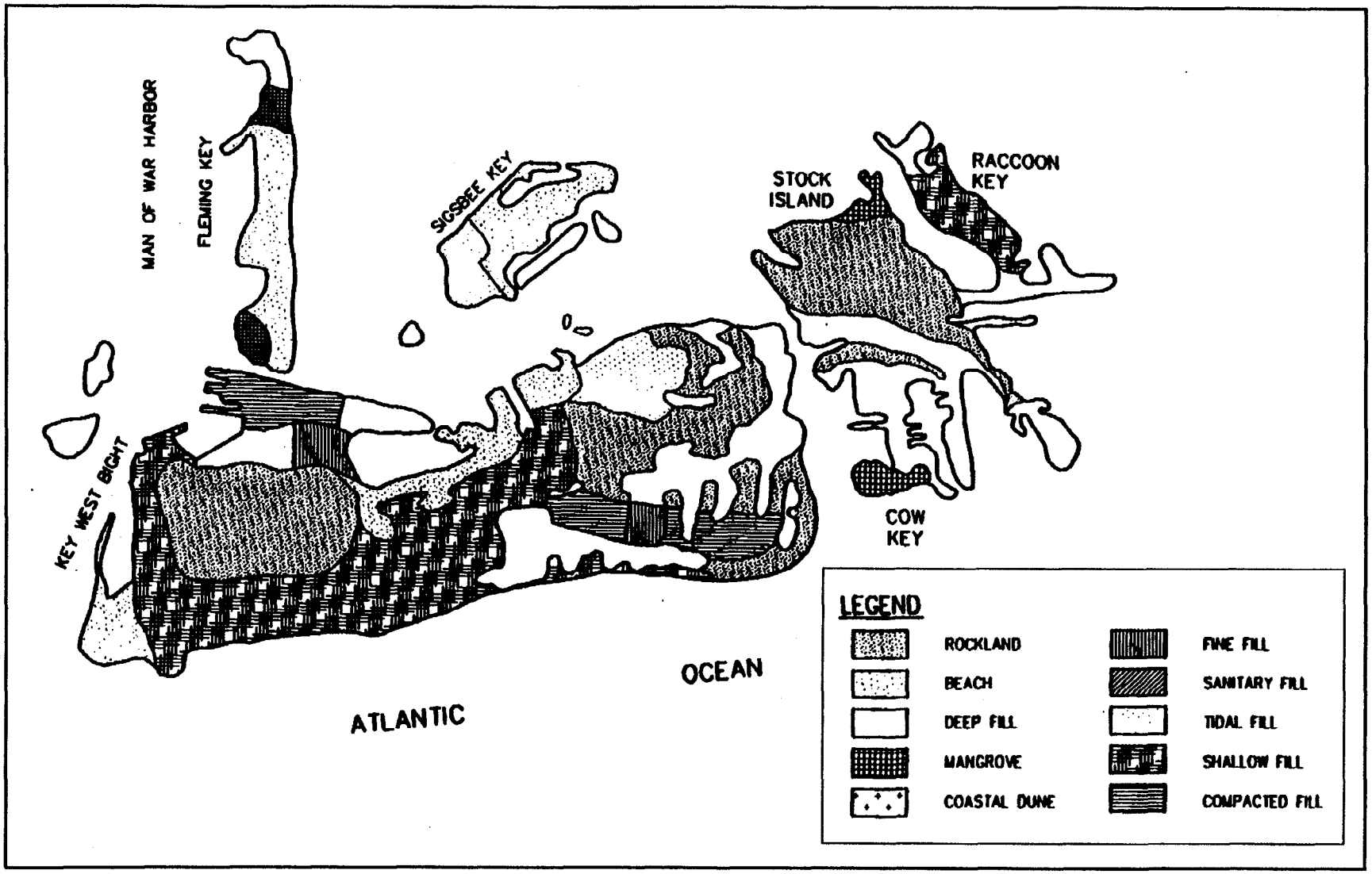
Undisturbed soil in the Keys consists of shallow marl over limestone with the substrate rock appearing at the surface on numerous outcroppings. Many areas of the Florida Keys, such as Fleming Key, have been filled and graded. The soils at Key West and vicinity are primarily rockland with some filled areas and mangrove swamps (Figure 1-4). Other major soil groups in the area are Uthorthents, which consist of gravely sand and marl, and Cudjoe, which is composed of marl and weathered bedrock (ABB 1995).

The surficial aquifer underlying much of the Lower Keys is unconfined and consists of the highly permeable, porous, solution-riddled Miami Oolite that allows recharge from rainfall to seep quickly into the ocean and saltwater to intrude easily into the aquifer. The surficial aquifer is the principal aquifer of concern in the area due to its reported use as a potable water resource to a limited extent (although not at NAS Key West) and because it exists as a groundwater-to-surface-water contaminant migration route. The water table occurs at depths ranging from 0.8 to 2.4 feet below land surface (bls) at the center of the island and from 0.4 to 2.2 bls near the coast. The water table fluctuates diurnally as a result of tidal effects. Head differentials associated with tidal variations near the shore can further accelerate groundwater movement in the area. A reconnaissance water-quality sampling study completed in 1990 by the U.S. Geological Survey (USGS) in cooperation with the South Florida Water Management District indicates that the freshwater lens contains nonpotable water. The State of Florida classifies groundwater in unconfined aquifers that have a total dissolved solids content of 10,000 mg/l or greater as Class G-III (nonpotable water). Potable water is obtained by rainwater catchment or imported via the Florida Keys Aqueduct Authority through a 150-mile pipeline from Miami. There are no freshwater public or domestic wells at NAS Key West (ABB 1995).

The Key Largo Limestone lies below the surficial aquifer and is more than 270 feet thick in the western part of Key West. The Key Largo Limestone is generally more porous than the Miami Oolite but it contains only salt water. It is a limestone remnant reef structure that is extremely permeable, possessing many solution cavities and caverns. The Tamiami Formation lies below the Key Largo Limestone and represents a major water-producing zone in south Florida. Below the Florida Keys, the Tamiami Formation is between 300 and 900 feet bls and contains mineralized water that is not of adequate quality for drinking. The Hawthorn and Tampa Formations underlie the Tamiami Formation and together act as an aquiclude confining the underlying limestones. In the Florida Keys, intermittent lenses in this layer contain water of poor drinking quality. The Suwannee Limestone, a fossiliferous limestone, represents the top of the water-producing zone in the Florida Keys. The water is of good enough quality for drinking after some treatment. The Avon Park Limestone lies 1,300 feet bls, and, although it has a higher transmissivity than the Suwannee Limestone and supplies large quantities of drinking water in central Florida, the quality of water obtained from this formation in the Florida Keys is poor (ABB 1995).



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NOT TO SCALE

FIGURE 1-4. GENERAL SOILS MAP
NAS KEY WEST & VICINITY

NAS KEY WEST — KEY WEST, FLORIDA

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1.4 HYDROLOGY

The surface-water regime in the Florida Keys is dominated by the Atlantic Ocean and the Gulf of Mexico. The FDEP classifies surface water in the Florida Keys as Class III Waters - Recreational, Propagation and Management of Fish and Wildlife. In the immediate area of NAS Key West are the Great White Heron National Wildlife Refuge and the Key West National Wildlife Refuge, which are classified by FDEP as Outstanding Florida Waters and are afforded the highest protection by the State. These waters are considered to be of exceptional recreational and ecological significance to the residents of Florida (ABB 1995).

Freshwater recharge reaches the Lower Keys directly through rainfall. The nearly flat topography and porous nature of exposed limestone allows much of the rainfall to infiltrate to shallow groundwater tables, forming freshwater lenses. The remaining rainfall is carried to tidal waters by overland flow or storm drains in the more developed areas. Accelerated runoff and increased saltwater intrusion from canals, housing, dewatering as a mosquito control measure, and marinas decrease the freshwater lens in the Florida Keys, which shortens the period residents can draw on freshwater supplies, and affects water quality. During the dry season, freshwater tends to disappear quickly by seepage to the sea and evaporation. Evaporation exerts an important effect on the Florida Keys' hydrologic budget, with transpiration affecting a more localized and confined area on individual islands (Schomer and Drew 1982).

1.5 EPA GUIDANCE ON BACKGROUND CHARACTERIZATION

Characterization of background soil, groundwater, surface water, and sediment is necessary for RCRA site investigations. EPA has published several documents that discuss procedures to select numbers and locations of sampling points, data quality objectives, data validation procedures, statistical methods for evaluating data, and end use of background data and statistics.

The general procedures to be used in a CERCLA RI are outlined in *Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA* (EPA 1988a). That document states that sampling should occur in areas perceived to be upgradient from the contaminant source to identify background levels and to determine if there are contributions of contaminants from other sources. However, it does not contain details about the amount of data, quality of data, or methods of data evaluation necessary for background characterization.

Details about data quality and evaluation are discussed in *Risk Assessment Guidance for Superfund Human Health Evaluation Manual, Part A, Interim Final* (EPA 1989a):

> Background samples are collected at or near the hazardous waste site in areas not influenced by site contamination. They are collected from each medium of concern in these offsite areas. That is, the locations of background samples must be from areas that could not have received contamination from the site, but do have the same basic characteristics as the medium of concern at the site.

In accordance with the Risk Assessment Guidance for Superfund (RAGS), statistical analyses were performed to assess the background data set and verify that samples identified as background were actually representative of background conditions in the vicinity of NAS Key West. Section 2.1 provides additional information on these analyses.

Guidance on background characterization for RCRA-related studies is provided in the following documents:

- *RCRA Ground-Water Monitoring Technical Enforcement Guidance Document* (EPA 1986a)
- "Statistical Methods for Evaluating Ground-Water Monitoring from Hazardous Waste Facilities, Final Rule" (EPA 1988b)
- *Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Interim Final Guidance* (EPA 1989b)
- *Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities Addendum to Interim Final Guidance* (EPA 1992)

RAGS suggests the following guidance for "detailed information on soil sampling locations, general soil and vegetation conditions, and sampling equipment, strategies, and technique":

- *Test Methods for Evaluating Solid Waste (SW-846): Physical/Chemical Methods* (EPA 1986b)
- *A Compendium of Superfund Field Operations Methods* (EPA 1987a)
- *Soil Sampling Quality Assurance Guide Review Draft* (EPA 1989c)

RAGS suggests the following documents for detailed information on surface water and sediment sampling, such as selecting sampling locations, equipment, types, and techniques:

- *Procedures for Handling and Chemical Analysis of Sediment and Water Samples* (EPA 1981)
- *Sediment Sampling Quality Assurance User's Guide* (EPA 1984)
- *Methods Manual for Bottom Sediment Sample Collection* (EPA 1985)
- *A Compendium of Superfund Field Operations Methods* (EPA 1987a)
- *An Overview of Sediment Quality in the United States* (EPA 1987b)
- *Proposed Guide for Sediment Collection, Storage, Characterization and Manipulation* (ASTM undated)

1.6 PREVIOUS INVESTIGATIONS

This section provides a brief overview of previous investigations from which background data were obtained, and summarizes other investigations conducted at NAS Key West.

1.6.1 Bechtel Environmental, Inc. Delineation and Confirmatory Sampling

Bechtel Environmental, Inc. (BEI) implemented Interim Remedial Actions in 1995 and early 1996 at some NAS Key West sites (BEI 1995a). BEI collected numerous soil, sediment, and surface-water samples at SWMU 1, SWMU 2, SWMU 3, IR 1, IR 3, IR 7, and AOC B both before and after the excavation, treatment, and disposal activities that were conducted at the sites in association with interim remedial activities. Data were collected initially to delineate limits of excavation and later to confirm that impacted soils were removed. Several soil, sediment, and surface-water samples from SWMU 1 and SWMU 2 were selected as site-specific background samples, as described in the background characterization of Boca Chica Key in the Final Supplemental RFI/RI Report for NAS Key West High Priority Sites (B&R Environmental 1997).

1.6.2 IT Corporation RFI/RI

IT Corporation conducted soil, surface-water, sediment, and groundwater sampling at all SWMU and IR sites as part of the original (Phase I) RFI/RI sampling program, and reported these activities in the RFI/RI Final Report (IT 1994).

During the RFI/RI (Phase I), 31 site-specific background samples were collected from surface soil, sediment, surface water, and groundwater at 10 sites. IT evaluated the analytical results for these samples to determine if the samples were representative of background conditions. The analytical results indicate that some of the designated background sample locations contained organic compounds or high concentrations of inorganic compounds.

IT Corporation retained only 13 of the 31 samples (3 surface soil, 4 surface water, 1 sediment, and 5 groundwater samples) as background data for use in the RFI/RI (Phase I). IT noted that the data set was too small to represent site-specific background conditions; therefore, the samples were grouped by media to provide a data set that was representative of regional conditions. All IT background samples were evaluated for potential inclusion in the Supplemental RFI/RI background data set.

1.6.3 Other Investigations

Several other investigations have been performed to confirm or characterize contamination at NAS Key West. No background data was specifically identified by these studies. A summary of each study is presented in the remainder of this section.

An Initial Assessment Study (IAS) was performed by Envirodyne Engineers, Inc., at NAS Key West in 1985 as part of the Naval Assessment and Control of Installation Pollutants Program (NACIP) (Envirodyne Engineers 1985). Additional evaluation was recommended for six sites and three other sites were recommended for investigation based on information collected after completion of the IAS report.

Geraghty & Miller performed the verification phase of the NACIP confirmation study in 1986 (Geraghty & Miller 1987). The presence or absence of shallow groundwater and soil contamination at various sites was verified during this study. The verification study report (Geraghty and Miller 1987) recommended sites that needed further site-specific investigations during the second phase (the characterization phase) of the confirmation study.

In April 1988, EPA conducted a visual site inspection (VSI) at NAS Key West as part of the RFA process. Seven SWMUs were identified and recommended for a RCRA facility assessment (RFA) under a HSWA permit. EPA conducted an RFA and prepared a draft RFA report in 1988 (EPA 1988c).

IT Corporation prepared a final remedial investigation (RI) report that evaluated potential contaminant sources at eight NAS Key West sites (IT 1991). The objectives included assessing the risk to the environment and human health and determining if remedial actions were required.

From October 1993 to February 1994, ABB conducted a petroleum contamination assessment of the Jet Engine Test Cell, Building A969 (SWMU 9). The contamination assessment report (ABB 1994) identified petroleum and 1,2-dichloroethene contamination in groundwater.

BEI conducted an additional assessment of groundwater at the Jet Engine Test Cell in 1995 to complete the characterization of the extent of groundwater contamination and to perform aquifer tests to support evaluation of a pump-and-treat system (BEI 1995b).

1.7 SUPPLEMENTAL RFI/RI BACKGROUND SAMPLING

Based on the RFI/RI analytical results and the need for a more complete background data set, B&R Environmental collected additional background samples (surface soil, surface water, sediment and biota) during the supplemental RFI/RI, as proposed in the ABB Workplan (ABB 1995). Background sampling associated with the Supplemental RFI/RI was conducted in two phases. Background data specific to Boca Chica Key were collected in January 1996 for use in the Supplemental RFI/RI of the high priority sites, all of which are on Boca Chica Key. Background samples from other areas were collected from August through October 1996 to expand the background data set and make it more applicable to all NAS Key West RCRA and CERCLA sites, five of which are located on islands other than Boca Chica Key.

During the field investigation for the four high priority sites conducted in January 1996, three facility-wide background areas were selected to represent Boca Chica Key based on a review of site aerial photographs, historical maps, and field visits. At each of the three sites (BG 1, BG 2, and BG 3) soil, sediment, surface-water, and fish samples were collected and analyzed. In addition, mangrove oyster samples were collected for chemical analysis from BG 3. Soil, sediment, and surface-water samples were collected for toxicity tests. The results of the toxicity tests are provided in Appendix J of the Supplemental RFI/RI Report for the High-Priority Sites (B&R Environmental 1997). One of the background sites (BG 1) is far from any SWMU, but close to the NAS runways. This site was chosen to reflect any sitewide contamination that might be ubiquitous at Boca Chica Key due to historic military operations or civilian

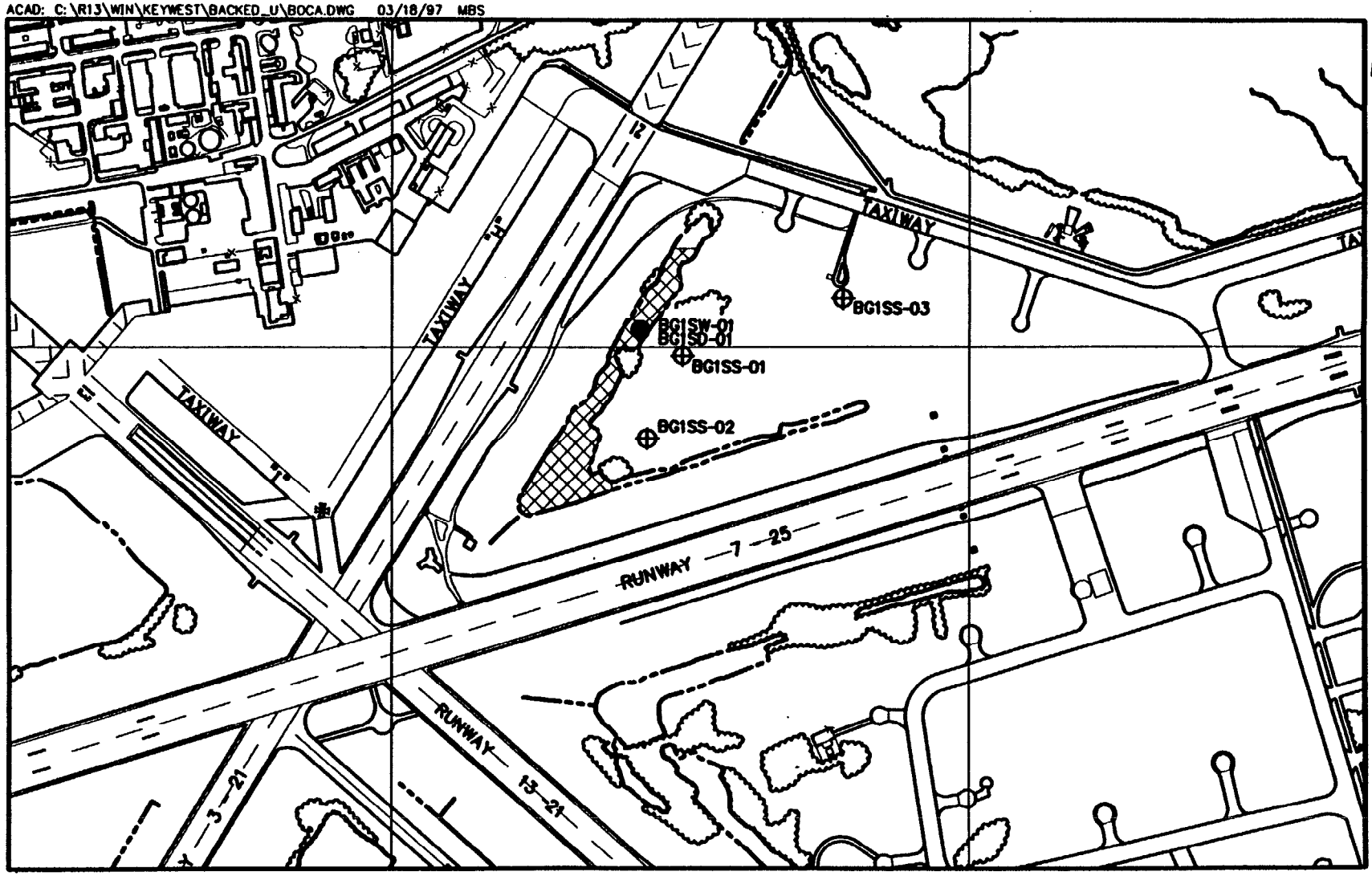
development. The other two background sites were selected on Boca Chica Key but are far from airfield operations and military or civilian development to represent pristine conditions to the maximum extent possible. BG 1, BG 2, and BG 3 are shown in Figures 1-5, 1-6, and 1-7, respectively.

B&R Environmental conducted sitewide background sampling at five more locations (BG 4 though BG 8) during the field investigation for the eight additional RFI/RI sites conducted from August through October 1996. The locations for BG 4 through BG 8 were selected based on the same criteria applied to BG 1, BG 2, and BG 3. Soil, sediment, surface-water, and biological sampling was conducted at these sites. Proposed locations for BG 4 through BG 8 were initially described in the Ecological Sampling and Analysis Plan Addendum submitted to EPA and FDEP by the Navy (B&R Environmental 1996). Based on site visits, two of the locations were changed. Due to the lack of an appropriate background location on Coppitt Key, BG 6 was moved to Geiger Key. Since water in the vicinity of Cayo Agua Key was too shallow to permit access by boat, BG 5 was moved approximately 2 miles west to the Bay Keys/Blue Fish Channel area. BG 4, BG 5, BG 6, BG 7, and BG 8 are shown in Figures 1-8, 1-9, 1-10, 1-11, and 1-12, respectively.

It should be noted that the sample nomenclature employed for BG 1, BG 2, and BG 3 differs from that used at the later background sites (BG 4 through BG 8). The nomenclature used during the initial background sampling in January 1996 matched that used for the RCRA sites that were investigated concurrently (e.g., SS = soil, SD = sediment), but did not match the nomenclature specified for background sites in the 1996 Sampling and Analysis Plan (ABB 1995). During the August through October 1996 sampling period, the background sample nomenclature was modified to reflect the specifications of the Sampling and Analysis Plan (e.g., SB = soil, SS = sediment).

Several site-specific background samples were also collected by B&R Environmental during the January and August Supplemental RFI/RI field investigations. These included samples from SWMU 1, SWMU 2, SWMU 4, SWMU 5, IR 1, and IR 3 and were predominantly groundwater samples, because no monitoring wells were installed at BG 1 through BG 8. Section 2.1 discusses the site-specific background sampling locations, and provides a more detailed description of BG 1 through BG 8.

ACAD: C:\R13\WIN\KEYWEST\BACKED_U\BOCA.DWG 03/18/97 MBS



Brown & Root Environmental

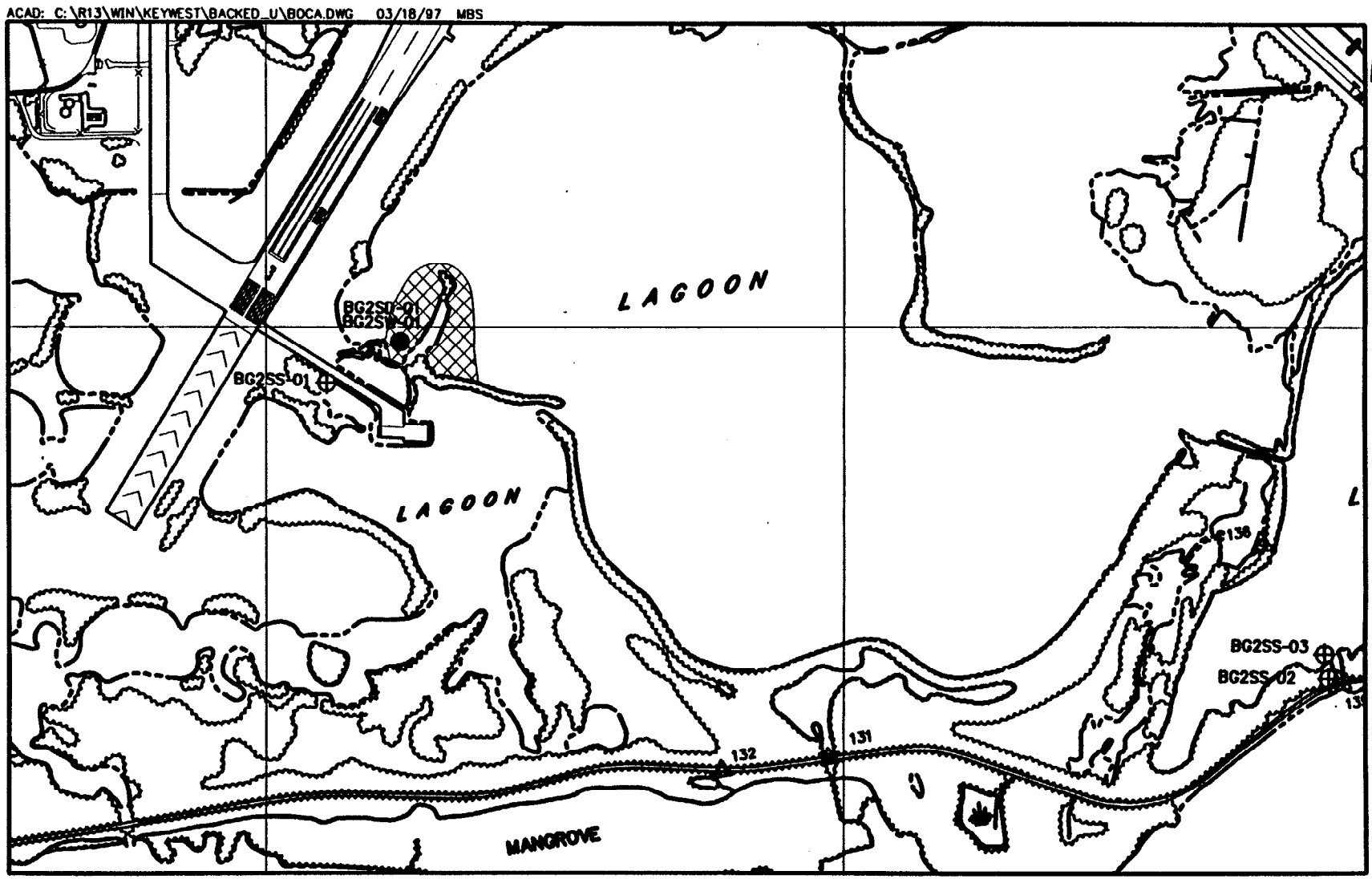
LEGEND
- SURFACE-WATER & SEDIMENT SAMPLE LOCATION
- SURFACE SOIL SAMPLE LOCATION
- BIOTA SAMPLING LOCATION (FISH)

0 600 1200
SCALE IN FEET

FIGURE 1-5. BOCA CHICA KEY BACKGROUND 1 SAMPLING LOCATIONS

NAS KEY WEST — KEY WEST, FLORIDA

DRAWN BY:	SCALE:	DATE:	REV:
MBS	-	03/31/97	1
CHECKED BY: RD	CONTRACT NO.: -	FILE NAME: KEY WEST/Z1/BOCA	



Brown & Root Environmental

LEGEND
- SURFACE-WATER & SEDIMENT SAMPLE LOCATION
- SURFACE SOIL SAMPLE LOCATION
- BIOTA SAMPLING LOCATION (FISH)

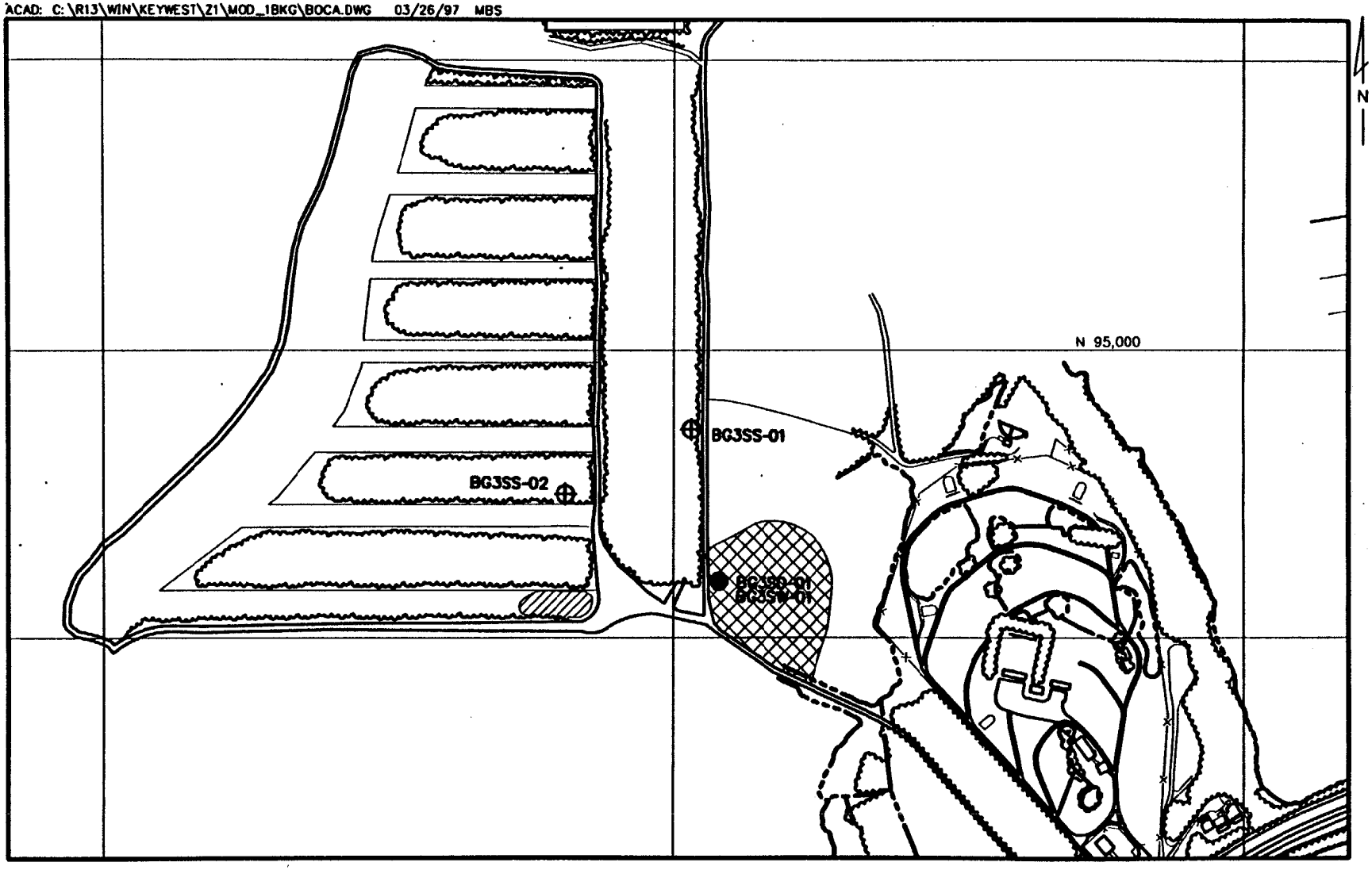
0 600 1200
SCALE IN FEET

FIGURE 1-6. BOCA CHICA KEY BACKGROUND 2 SAMPLING LOCATIONS

NAS KEY WEST — KEY WEST, FLORIDA

DRAWN BY:	SCALE:	DATE:	REV:
MBS	-	03/31/97	1
CHECKED BY: RD	CONTRACT NO.: -	FILE NAME: KEY WEST/Z1/BOCA	

ACAD: C:\R13\WIN\KEYWEST\Z1\MOD_1BKG\BOCA.DWG 03/26/97 MBS



Brown & Root Environmental

LEGEND
- SURFACE-WATER & SEDIMENT SAMPLE LOCATION
- SURFACE SOIL SAMPLE LOCATION
- BIOTA SAMPLING LOCATION (FISH)
- BIOTA SAMPLING LOCATION (OYSTERS)

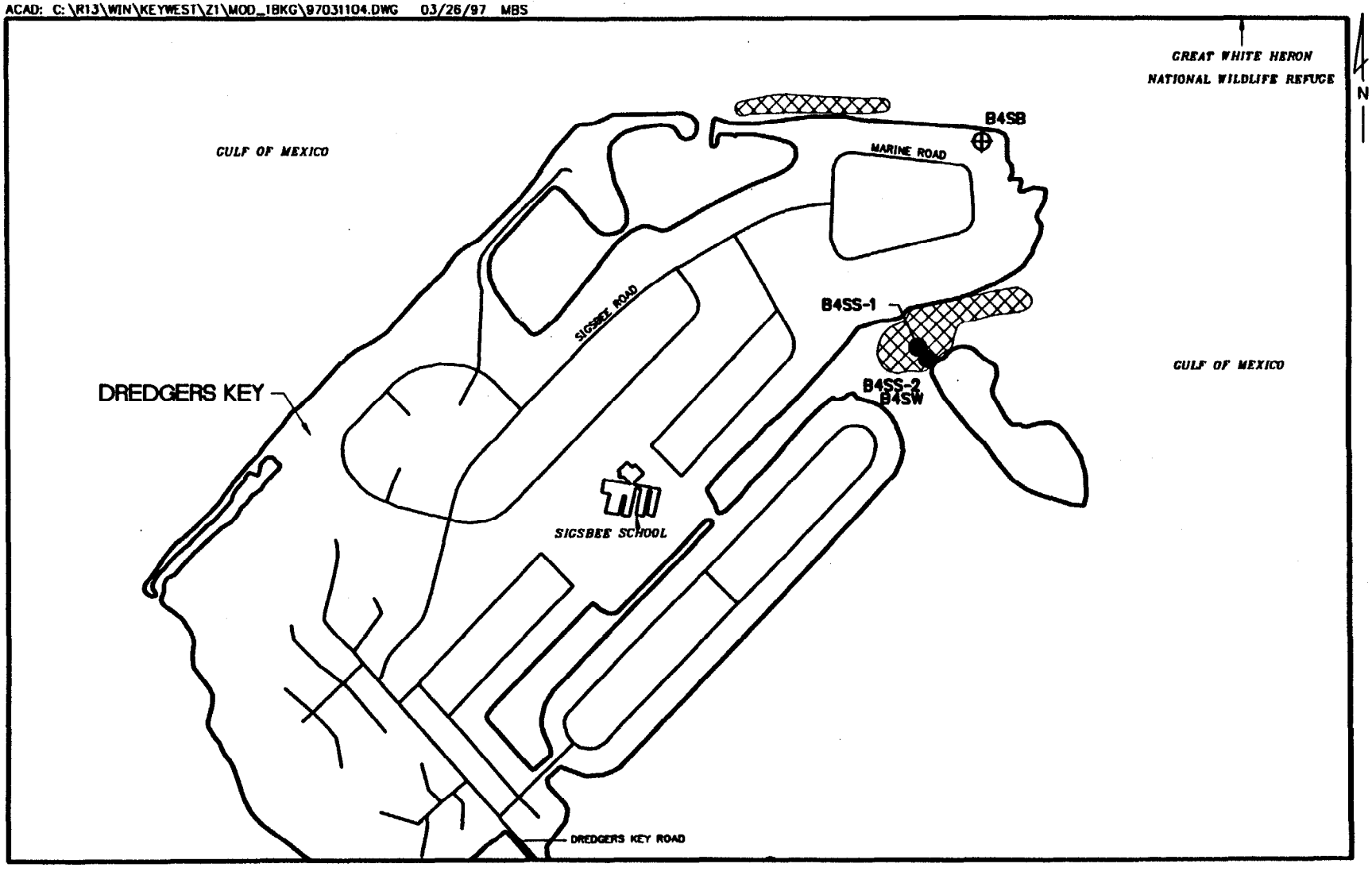
0 600 1200
SCALE IN FEET

FIGURE 1-7. BOCA CHICA KEY BACKGROUND 3 SAMPLING LOCATIONS

NAS KEY WEST — KEY WEST, FLORIDA

DRAWN BY:	SCALE:	DATE:	REV:
MBS	-	03/31/97	1
CHECKED BY: RD	CONTRACT NO.: -	FILE NAME: KEY WEST/Z1/BOCA	

ACAD: C:\R13\WIN\KEYWEST\Z1\MOD_1BKG\97031104.DWG 03/26/97 MBS



Brown & Root Environmental

LEGEND
- SURFACE-WATER & SEDIMENT SAMPLE LOCATION
- SURFACE SOIL SAMPLE LOCATION
- BIOTA SAMPLING LOCATION (LOBSTER, CRAB, CONCH, TURTLEGRASS)

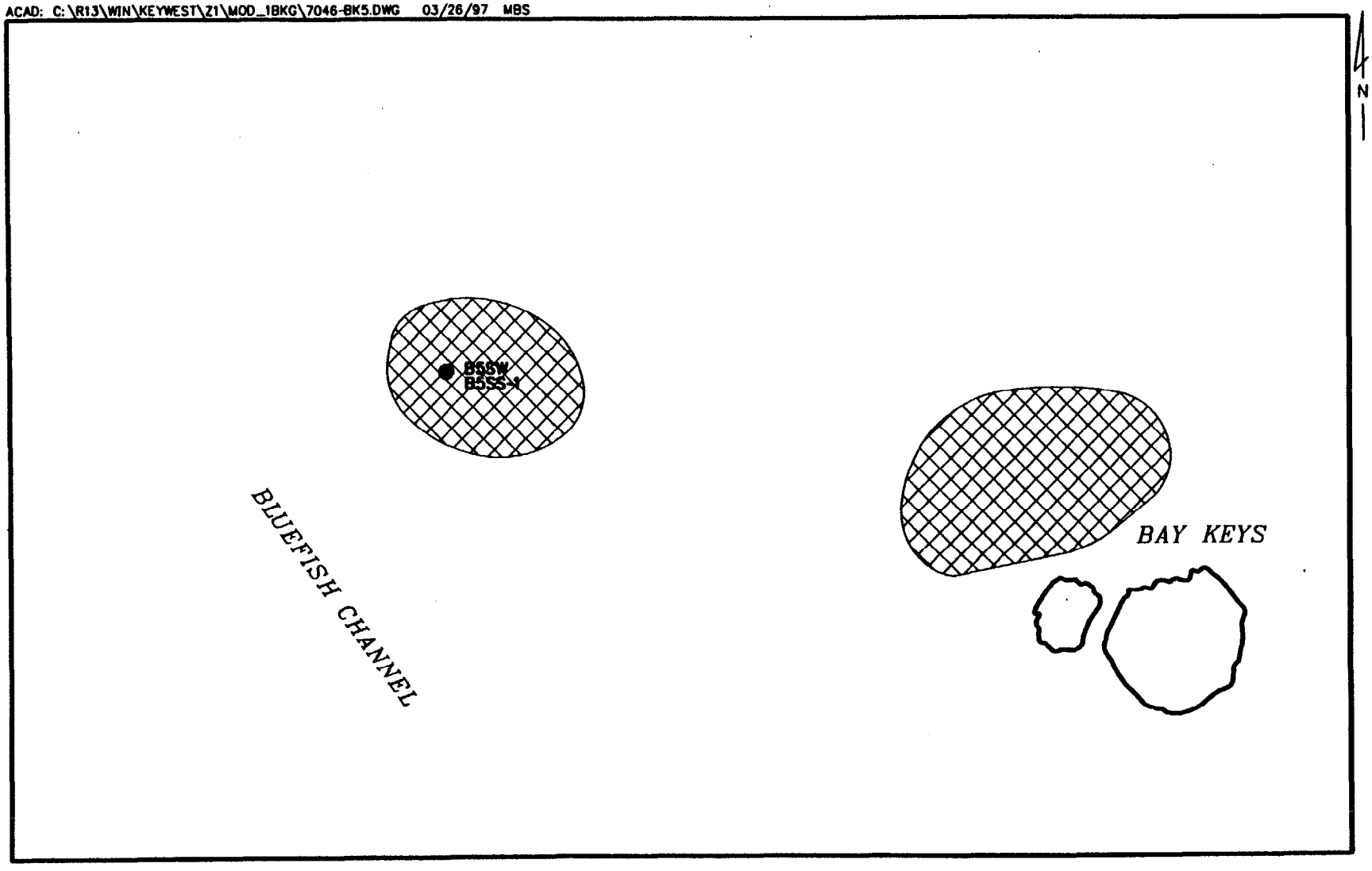
0 800 1600
SCALE IN FEET

FIGURE 1-8. DREDGERS KEY BACKGROUND 4 SAMPLING LOCATIONS

NAVAL AIR STATION KEY WEST, FLORIDA

DRAWN BY:	SCALE:	DATE:	REV:
MBS	-	03/31/97	1
CHECKED BY: RD	CONTRACT NO.: -	FILE NAME: KEY WEST/T1/97031104.DWG	

ACAD: C:\R13\WIN\KEYWEST\Z1\MOD_1BKG\7046-BK5.DWG 03/26/97 MBS



Brown & Root Environmental

LEGEND
SURFACE WATER & SEDIMENT SAMPLE LOCATION
BIOTA SAMPLING LOCATION (LOBSTER, CONCH, CRAB, TURTLEGRASS)

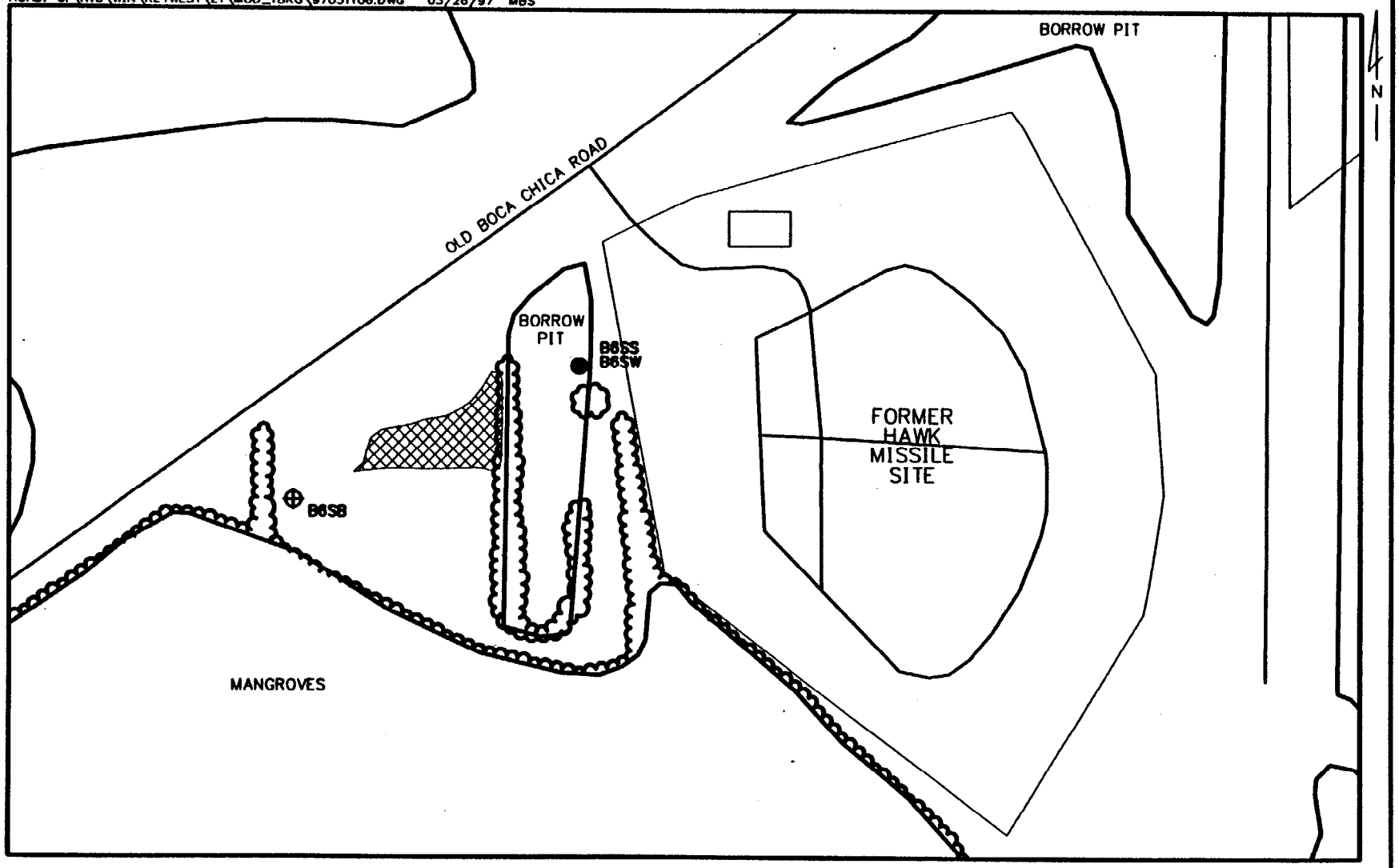
0 800 1600
SCALE IN FEET

FIGURE 1-9. BLUEFISH CHANNEL AREA BACKGROUND 5 SAMPLING LOCATION

NAVAL AIR STATION KEY WEST, FLORIDA

DRAWN BY: MBS	SCALE: -	DATE: 03/31/97	REV: 1
CHECKED BY: RD	CONTRACT NO.: -	FILE NAME: KEY WEST/Z1/7046-BK5	

ACAD: C:\R13\WIN\KEYWEST\Z1\MOD_1BKG\97031106.DWG 03/26/97 MBS



Brown & Root Environmental

LEGEND
- SURFACE-WATER & SEDIMENT SAMPLE LOCATION
- SURFACE SOIL SAMPLE LOCATION
- BIOTA SAMPLING LOCATION (TERRESTRIAL VEGETATION)

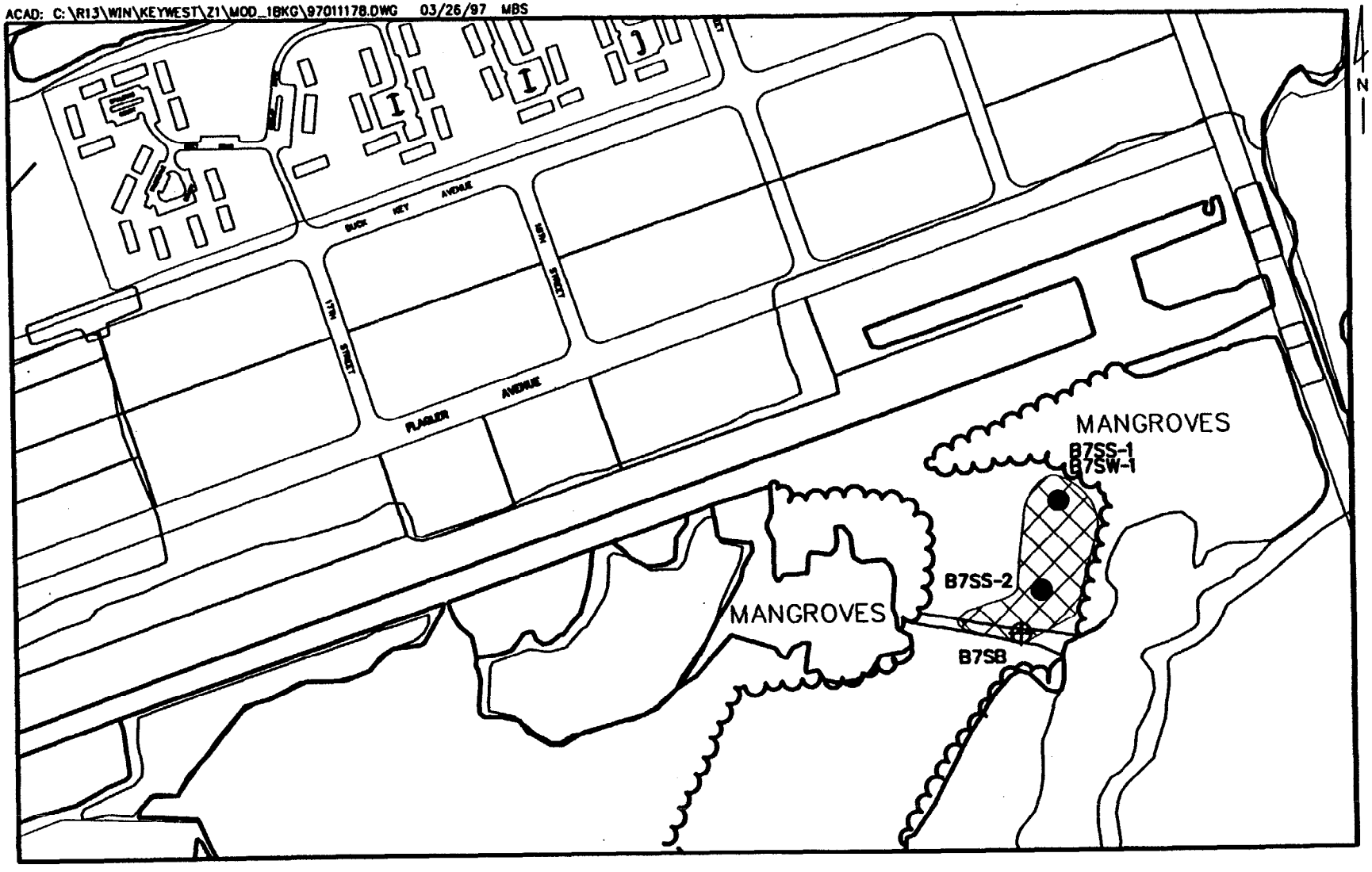
0 200 400
SCALE IN FEET

FIGURE 1-10. GEIGER KEY BACKGROUND 6 SAMPLING LOCATIONS

NAS KEY WEST — KEY WEST, FLORIDA

DRAWN BY: MBS	SCALE: -	DATE: 03/31/97	REV: 1
CHECKED BY: RD	CONTRACT NO.: -	FILE NAME: KEY WEST/Z1/97031106	

ACAD: C:\R13\WIN\KEYWEST\Z1\MOD_1BKG\97011178.DWG 03/26/97 MBS



Brown & Root Environmental

LEGEND
- SURFACE WATER & SEDIMENT SAMPLE LOCATION
- SURFACE SOIL SAMPLE LOCATION
- BIOTA SAMPLING LOCATION (FISH, TERRESTRIAL VEGETATION)

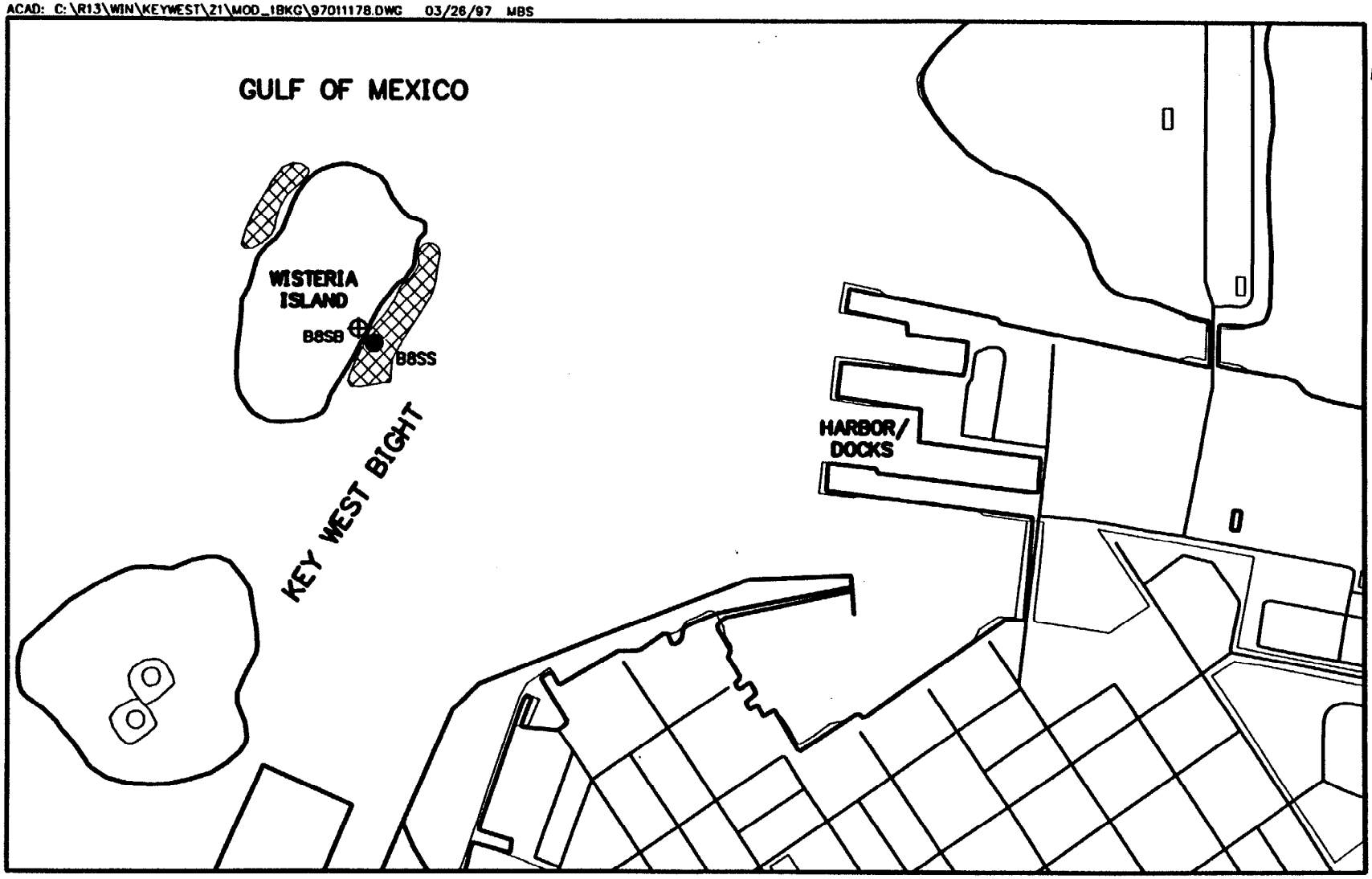
0 400 800
SCALE IN FEET

FIGURE 1-11. EASTERN KEY WEST BACKGROUND 7 SAMPLING LOCATIONS

NAS KEY WEST — KEY WEST, FLORIDA

DRAWN BY: MBS	SCALE: -	DATE: 03/31/97	REV: 1
CHECKED BY: RD	CONTRACT NO.: -	FILE NAME: KEY WEST/Z1/97011178	

ACAD: C:\R13\WIN\KEYWEST\Z1\MOD_1BKG\97011178.DWG 03/26/97 MBS



Brown & Root Environmental

LEGEND
- SEDIMENT SAMPLE LOCATION
- SURFACE SOIL SAMPLE LOCATION
- BIOTA SAMPLING LOCATION (LOBSTER, CRAB, CONCH, TURTLEGRASS)

0 800 1600
SCALE IN FEET

FIGURE 1-12. WISTERIA ISLAND BACKGROUND 8 SAMPLING LOCATIONS

NAS KEY WEST — KEY WEST, FLORIDA

DRAWN BY: MBS	SCALE: -	DATE: 03/31/97	REV: 1
CHECKED BY: RD	CONTRACT NO.: -	FILE NAME: KEY WEST/Z1/97011178	

2.0 DEVELOPMENT OF THE BACKGROUND DATA SET

Investigations of NAS Key West have generated a substantial amount of soil, sediment, surface-water, groundwater, and biological data. A portion of this data was identified as potentially representative of background conditions, based on either the sample's location or its identification as background in a previous investigation. This section discusses the development of the comprehensive data set used to characterize background conditions representative of NAS Key West. The discussion includes the selection and evaluation of background sample locations from previous investigations, the methodology used to screen each potential background sample, and sampling locations for the final data set. Sections 3.0 through 7.0 contain statistical summaries of the data, by medium, and Attachment A is the complete data set associated with the samples.

2.1 SELECTION OF THE BACKGROUND DATA SET

The selection of the final background data set for NAS Key West was performed in two steps. First, a preliminary background data set was compiled, consisting of all samples that were considered potential background data. Next, a review of the preliminary data set was conducted and samples were eliminated from the data set based on location and statistical determinations.

2.1.1 Preliminary Background Data Set

All samples that were retained in the Boca Chica background data set of the Supplemental RFI/RI for the High Priority Sites were included in the preliminary background data set for NAS Key West. The reports from the earlier investigations were reviewed to identify samples that were considered to represent background conditions. Such samples from sites not on Boca Chica Key were added to the preliminary data set. Because samples from Boca Chica Key locations were evaluated during the development of the Boca Chica background data set, they were not reevaluated. (The process used to identify samples for inclusion in the Boca Chica background data set is discussed in Section 4.0, Appendix J of the Supplemental RFI/RI for the High Priority Sites.) Background samples collected by B&R Environmental in August through October 1996, in accordance with the Supplemental RFI/RI SAP, were added to the preliminary background data set for NAS Key West. The data from upgradient monitoring wells installed by B&R Environmental in August 1996, although not specifically designated as background in the Supplemental RFI/RI SAP, were included in the background data set.

The proximity of RFI/RI site samples to samples included in the preliminary background data set was also considered. Any RFI/RI site sample located in close proximity to a potential background sample was considered a potential background location in the preliminary background data set. Based on this criterion, four site samples collected by B&R Environmental during the August 1996 field investigation were added to the preliminary background data set. In all four cases, an IT background sample that was included in the Boca Chica background data set was located between the source of contamination and the August 1996 site sample. S4SS-4 and S4SW-4 were added to the sediment and surface-water data sets, respectively, based on their proximity to IT background sample S4BG-1. S7SS-4 and S7SS-6 were added preliminary sediment data set based on their relationship IT sediment background sample S7SS-4(IT).

Table 2-1 lists all samples included in the preliminary background data set for NAS Key West, along with a short explanation of their retention or elimination from the final data set, as discussed in Section 2.1.2.

2.1.2 Final Background Data Set

To ensure that all samples in the final background data set were representative of background conditions, several criteria were used to eliminate samples from the preliminary background data set. Soil and sediment samples identified as potential background samples were compared to BEI interim remedial action excavation boundaries. If the sample was collected before excavation and within the boundaries of the excavation, it was eliminated from the background data set. Discarding these data was necessary to ensure that data from samples collected from an area that was contaminated enough to require an interim remedial action were not included in the background data set. None of the samples in the preliminary background data set appeared to have been collected within the boundaries of an excavated area.

The locations of samples designated as background by previous contractors were reevaluated to determine if they could have been affected by site operations. Samples collected in questionable locations (i.e., areas affected by site contamination) were discarded as background samples and retained for use as site data. S7SS-4(IT) was eliminated based on this criterion, along with the two B&R Environmental samples (S7SS-4 and S7SS-6) included in the preliminary background data set. All three of these samples were from a ditch in the southern part of SWMU 7. Although the sample locations were some distance from the source of contamination at the site, the ditch is adjacent to the western side of the site and is connected hydraulically to a pond located just a few feet north of the area excavated by BEI in 1995. During the August 1996 field investigation, B&R Environmental personnel observed that under normal conditions, there does not appear to be any flow in the ditch at SWMU 7. However, during storm events the ditch might fill with runoff from the site and the pond. Although infrequent, this provides a transport mechanism to the sample collection area in the southern part of the ditch and necessitates

TABLE 2-1

SUMMARY OF SAMPLES IN PRELIMINARY BACKGROUND DATA SET FOR NAS KEY WEST NAS KEY WEST, FLORIDA

Site	Location	Sample ID	Media[a]	Source	Comments
SWMU 1	S1SB-7(U25)	KW02561	SO	BEI 1995	Retained
	S1SS-4	S1SS-4	SO	B&RE January 1996	Retained
	S1SS-7SD(AB18)	KW02569	SD	BEI 1995	Retained
	S1SS-7SW(AB18)	KW02568	SW	BEI 1995	Retained
	S1MW-3	S1MW-3	GW	B&RE January 1996	Retained
SWMU 2	S2SB-9	KW02592	SO	BEI 1995	Retained
	S2SS-4SW	KW02590	SW	BEI 1995	Retained
	S2MW-1	AS1071/AS2184	GW	IT 1993	Retained
	S2MW-1	S2MW-1	GW	B&RE January 1996	Retained
		S2DPGW-01	GW	B&RE January 1996	Retained
	S2MW-4	S2MW-4	GW	B&RE January 1996	Retained
SWMU 3	S3BG-1	AS2168	SO	IT 1993	Retained
	S3SS-4	AS1096	SW	IT 1993	Retained
SWMU 4	S4SS-4	S4SS-4	SD	IT 1993	Retained
	S4BG-1	AS1123	SD	B&RE August 1996	Retained
	S4BG-1	AS1122	SW	IT 1993	Retained
	S4SW-4	S4SW-4	SW	B&RE August 1996	Retained
	S4MW-1	AS1137	GW	IT 1993	Retained
	S4MW-4	S4MW-4	GW	B&RE August 1996	Retained
SWMU 5	S5MW-4	S5MW-4	GW	B&RE August 1996	Retained
	S5MW-5	S5MW-5	GW	B&RE August 1996	Retained
SWMU 7	S7SS-4(IT)	AS1117	SW	IT 1993	Discarded due to location.
	S7SS-4	S7SS-4	SW	B&RE August 1996	Discarded due to location.
	S7SS-6	S7SS-6	SW	B&RE August 1996	Discarded due to location.
	S7MW-2	AS1135	GW	IT 1993	Retained
	S7MW-2	S7MW-2	GW	B&RE October 1996	Retained
IR 1	I1MW-6	I1MW-6	GW	B&RE August 1996	Retained
	I1MW-7	I1MW-7	GW	B&RE August 1996	Retained
IR 3	I3MW-6	I3MW-6	GW	B&RE August 1996	Retained
IR 7	I7SS-10(IT)	AS1033	SD	IT 1993	Discarded. Metal and volatile outliers.
	I7SS-10(IT)	AS1034	SW	IT 1993	Retained
	I7MW-10	AS1018	GW	IT 1993	Discarded. Metal outliers.
IR 8	I8SS-10(IT)	AS1192	SW	IT 1993	Retained
	KWM-15	KWM-15	GW	G&M 1986	Discarded. Various metal outliers in samples over the years
		KWM-15	GW	IT 1991	
		AS1238	GW	IT 1993	
		KWM15	GW	B&RE August 1996	
BG 1	BG1SS-01	BG1SS-01	SO	B&RE January 1996	Retained
	BG1SS-02	BG1SS-02	SO	B&RE January 1996	Retained
	BG1SS-03	BG1SS-03	SO	B&RE January 1996	Retained
	BG1SD-01	BG1SD-01	SD	B&RE January 1996	Retained
	BG1SW-01	BG1SW-01	SW	B&RE January 1996	Retained
	BG1F-01 (96)	BG1F-01 (96)	TS	B&RE January 1996	Retained
	BG1F-02 (96)	BG1F-02 (96)	TS	B&RE January 1996	Retained

TABLE 2-1

SUMMARY OF SAMPLES IN PRELIMINARY BACKGROUND DATA SET FOR NAS KEY WEST
NAS KEY WEST, FLORIDA
PAGE 2 OF 5

Site	Location	Sample ID	Media[a]	Source	Comments
BG 1 (CONT)	BG1F-03 (96)	BG1F-03 (96)	TS	B&RE January 1996	Retained
	BG1F-04 (96)	BG1F-04 (96)	TS	B&RE January 1996	Retained
	BG1F-05 (96)	BG1F-05 (96)	TS	B&RE January 1996	Retained
	BG1F-06 (96)	BG1F-06 (96)	TS	B&RE January 1996	Retained
	BG1F-07 (96)	BG1F-07 (96)	TS	B&RE January 1996	Retained
	BG1F-08 (96)	BG1F-08 (96)	TS	B&RE January 1996	Retained
	BG1F-09 (96)	BG1F-09 (96)	TS	B&RE January 1996	Retained
	BG1F-10 (96)	BG1F-10 (96)	TS	B&RE January 1996	Retained
	BG1F-11 (96)	BG1F-11 (96)	TS	B&RE January 1996	Retained
	BG1F-13 (96)	BG1F-13 (96)	TS	B&RE January 1996	Retained
	BG1F-14 (96)	BG1F-14 (96)	TS	B&RE January 1996	Retained
	BG1F-15 (96)	BG1F-15 (96)	TS	B&RE January 1996	Retained
	BG1F-16 (96)	BG1F-16 (96)	TS	B&RE January 1996	Retained
	BG1F-17 (96)	BG1F-17 (96)	TS	B&RE January 1996	Retained
	BG1F-18 (96)	BG1F-18 (96)	TS	B&RE January 1996	Retained
	BG1F-19 (96)	BG1F-19 (96)	TS	B&RE January 1996	Retained
	BG1F-21 (96)	BG1F-21 (96)	TS	B&RE January 1996	Retained
	BG1F-22 (96)	BG1F-22 (96)	TS	B&RE January 1996	Retained
	BG1F-23 (96)	BG1F-23 (96)	TS	B&RE January 1996	Retained
	BG1F-24 (96)	BG1F-24 (96)	TS	B&RE January 1996	Retained
	BG1F-26 (96)	BG1F-26 (96)	TS	B&RE January 1996	Retained
	BG1F-27 (96)	BG1F-27 (96)	TS	B&RE January 1996	Retained
	BG1F-28 (96)	BG1F-28 (96)	TS	B&RE January 1996	Retained
BG 2	BG2SS-01	BG2SS-01	SO	B&RE January 1996	Retained
	BG2SS-02	BG2SS-02	SO	B&RE January 1996	Retained
	BG2SS-03	BG2SS-03	SO	B&RE January 1996	Retained
	BG2SD-01	BG2SD-01	SD	B&RE January 1996	Retained
	BG2SW-01	BG2SW-01	SW	B&RE January 1996	Retained
	BG2F-01 (96)	BG2F-01 (96)	TS	B&RE January 1996	Retained
	BG2F-02 (96)	BG2F-02 (96)	TS	B&RE January 1996	Retained
	BG2F-03 (96)	BG2F-03 (96)	TS	B&RE January 1996	Retained
	BG2F-04 (96)	BG2F-04 (96)	TS	B&RE January 1996	Retained
	BG2F-05 (96)	BG2F-05 (96)	TS	B&RE January 1996	Retained
	BG2F-06 (96)	BG2F-06 (96)	TS	B&RE January 1996	Retained
	BG2F-07 (96)	BG2F-07 (96)	TS	B&RE January 1996	Retained
	BG2F-08 (96)	BG2F-08 (96)	TS	B&RE January 1996	Retained
	BG2F-09 (96)	BG2F-09 (96)	TS	B&RE January 1996	Retained
	BG2F-10 (96)	BG2F-10 (96)	TS	B&RE January 1996	Retained
BG 3	BG3SS-01	BG3SS-01	SO	B&RE January 1996	Retained
	BG3SS-02	BG3SS-02	SO	B&RE January 1996	Retained
	BG3SD-01	BG3SD-01	SD	B&RE January 1996	Retained
	BG3SW-01	BG3SW-01	SW	B&RE January 1996	Retained
	BG3BV-01 (96)	BG3BV-01 (96)	TS	B&RE January 1996	Retained
	BG3BV-02 (96)	BG3BV-02 (96)	TS	B&RE January 1996	Retained
	BG3BV-03 (96)	BG3BV-03 (96)	TS	B&RE January 1996	Retained

TABLE 2-1

SUMMARY OF SAMPLES IN PRELIMINARY BACKGROUND DATA SET FOR NAS KEY WEST
NAS KEY WEST, FLORIDA
PAGE 3 OF 5

Site	Location	Sample ID	Media[a]	Source	Comments
BG 3	BG3F-03 (96)	BG3F-03 (96)	TS	B&RE January 1996	Retained
(CONT)	BG3F-04 (96)	BG3F-04 (96)	TS	B&RE January 1996	Retained
	BG3F-06 (96)	BG3F-06 (96)	TS	B&RE January 1996	Retained
	BG3F-07 (96)	BG3F-07 (96)	TS	B&RE January 1996	Retained
	BG3F-08 (96)	BG3F-08 (96)	TS	B&RE January 1996	Retained
	BG3F-09 (96)	BG3F-09 (96)	TS	B&RE January 1996	Retained
	BG3F-10 (96)	BG3F-10 (96)	TS	B&RE January 1996	Retained
	BG3F-11 (96)	BG3F-11 (96)	TS	B&RE January 1996	Retained
	BG3F-12 (96)	BG3F-12 (96)	TS	B&RE January 1996	Retained
	BG3F-13 (96)	BG3F-13 (96)	TS	B&RE January 1996	Retained
	BG3F-14 (96)	BG3F-14 (96)	TS	B&RE January 1996	Retained
	BG3F-15 (96)	BG3F-15 (96)	TS	B&RE January 1996	Retained
	BG3F-16 (96)	BG3F-16 (96)	TS	B&RE January 1996	Retained
	BG3F-17 (96)	BG3F-17 (96)	TS	B&RE January 1996	Retained
	BG3F-18 (96)	BG3F-18 (96)	TS	B&RE January 1996	Retained
	BG3F-19 (96)	BG3F-19 (96)	TS	B&RE January 1996	Retained
	BG3F-20 (96)	BG3F-20 (96)	TS	B&RE January 1996	Retained
	BG3F-21 (96)	BG3F-21 (96)	TS	B&RE January 1996	Retained
BG 4	B4SB	B4SB	SO	B&RE August 1996	Retained
	B4SS-1	B4SS-1	SD	B&RE August 1996	Retained
	B4SS-2	B4SS-2	SD	B&RE August 1996	Retained
	B4SW	B4SW	SW	B&RE August 1996	Retained
	B4C-1	B4C-1	TS	B&RE August 1996	Retained
	B4C-2	B4C-2	TS	B&RE August 1996	Retained
	B4C-3	B4C-3	TS	B&RE August 1996	Retained
	B4C-4	B4C-4	TS	B&RE August 1996	Retained
	B4C-5	B4C-5	TS	B&RE August 1996	Retained
	B4C-6	B4C-6	TS	B&RE August 1996	Retained
	B4C-7	B4C-7	TS	B&RE August 1996	Retained
	B4C-9	B4C-9	TS	B&RE August 1996	Retained
	B4C-10	B4C-10	TS	B&RE August 1996	Retained
	B4C-11	B4C-11	TS	B&RE August 1996	Retained
	B4C-12	B4C-12	TS	B&RE August 1996	Retained
	B4CH-COMP 1	B4CH-COMP 1	TS	B&RE August 1996	Retained
	B4CH-COMP 2	B4CH-COMP 2	TS	B&RE August 1996	Retained
	B4CH-16	B4CH-16	TS	B&RE August 1996	Retained
	B4CH-22	B4CH-22	TS	B&RE August 1996	Retained
	B4CH-23	B4CH-23	TS	B&RE August 1996	Retained
	B4CH-24	B4CH-24	TS	B&RE August 1996	Retained
	B4L-8	B4L-8	TS	B&RE August 1996	Retained
	B4V-13	B4V-13	TS	B&RE August 1996	Retained
	B4V-14	B4V-14	TS	B&RE August 1996	Retained
	B4V-15	B4V-15	TS	B&RE August 1996	Retained

TABLE 2-1

SUMMARY OF SAMPLES IN PRELIMINARY BACKGROUND DATA SET FOR NAS KEY WEST
NAS KEY WEST, FLORIDA
PAGE 4 OF 5

Site	Location	Sample ID	Media[a]	Source	Comments
BG 5	B5SS-1	B5SS-1	SD	B&RE August 1996	Retained
	B5SW	B5SW	SW	B&RE August 1996	Retained
	B5C-27	B5C-27	TS	B&RE August 1996	Retained
	B5C-28	B5C-28	TS	B&RE August 1996	Retained
	B5CH-29	B5CH-29	TS	B&RE August 1996	Retained
	B5CH-30	B5CH-30	TS	B&RE August 1996	Retained
	B5L-10	B5L-10	TS	B&RE August 1996	Retained
	B5L-11	B5L-11	TS	B&RE August 1996	Retained
	B5L-12	B5L-12	TS	B&RE August 1996	Retained
	B5L-13	B5L-13	TS	B&RE August 1996	Retained
	B5L-14	B5L-14	TS	B&RE August 1996	Retained
	B5L-15	B5L-15	TS	B&RE August 1996	Retained
	B5L-16	B5L-16	TS	B&RE August 1996	Retained
	B5L-17	B5L-17	TS	B&RE August 1996	Retained
	B5L-18	B5L-18	TS	B&RE August 1996	Retained
	B5L-19	B5L-19	TS	B&RE August 1996	Retained
	B5L-20	B5L-20	TS	B&RE August 1996	Retained
	B5L-21	B5L-21	TS	B&RE August 1996	Retained
	B5L-22	B5L-22	TS	B&RE August 1996	Retained
	B5L-23	B5L-23	TS	B&RE August 1996	Retained
	B5L-24	B5L-24	TS	B&RE August 1996	Retained
	B5L-25	B5L-25	TS	B&RE August 1996	Retained
	B5V-29	B5V-29	TS	B&RE August 1996	Retained
	B5V-30	B5V-30	TS	B&RE August 1996	Retained
BG 6	B6SB	B6SB	SO	B&RE August 1996	Retained
	B6SS	B6SS	SD	B&RE August 1996	Retained
	B6SW	B6SW	SW	B&RE August 1996	Retained
	B6V-1	B6V-1	TS	B&RE August 1996	Retained
	B6V-2	B6V-2	TS	B&RE August 1996	Retained
	B6V-3	B6V-3	TS	B&RE August 1996	Retained
BG 7	B7SB	B7SB	SO	B&RE August 1996	Discarded. Metal and pesticide outliers
	B7SS-1	B7SS-1	SD	B&RE August 1996	Retained
	B7SS-2	B7SS-2	SD	B&RE August 1996	Retained
	B7SW-1	B7SW-1	SW	B&RE August 1996	Retained
	B7F-1	B7F-1	TS	B&RE August 1996	Retained
	B7F-2	B7F-2	TS	B&RE August 1996	Retained
	B7F-3	B7F-3	TS	B&RE August 1996	Retained
	B7F-4	B7F-4	TS	B&RE August 1996	Retained
	B7F-5	B7F-5	TS	B&RE August 1996	Retained
	B7F-6	B7F-6	TS	B&RE August 1996	Retained
	B7F-7	B7F-7	TS	B&RE August 1996	Retained
	B7F-16	B7F-16	TS	B&RE August 1996	Retained
	B7F-17	B7F-17	TS	B&RE August 1996	Retained
	B7F-18	B7F-18	TS	B&RE August 1996	Retained

TABLE 2-1

SUMMARY OF SAMPLES IN PRELIMINARY BACKGROUND DATA SET FOR NAS KEY WEST
NAS KEY WEST, FLORIDA
PAGE 5 OF 5

Site	Location	Sample ID	Media[a]	Source	Comments
BG 7 (CONT)	B7F-19	B7F-19	TS	B&RE August 1996	Retained
	B7F-20	B7F-20	TS	B&RE August 1996	Retained
	B7F-22	B7F-22	TS	B&RE August 1996	Retained
	B7F-23	B7F-23	TS	B&RE August 1996	Discarded. Pesticide/PCB outliers.
	B7F-24	B7F-24	TS	B&RE August 1996	Retained
	B7F-25	B7F-25	TS	B&RE August 1996	Retained
	B7F-26	B7F-26	TS	B&RE August 1996	Retained
	B7F-27	B7F-27	TS	B&RE August 1996	Retained
	B7F-28	B7F-28	TS	B&RE August 1996	Retained
	B7F-29	B7F-29	TS	B&RE August 1996	Retained
	B7F-30	B7F-30	TS	B&RE August 1996	Retained
	B7F-31	B7F-31	TS	B&RE August 1996	Retained
	B7F-32	B7F-32	TS	B&RE August 1996	Retained
	B7F-33	B7F-33	TS	B&RE August 1996	Retained
	B7F-34	B7F-34	TS	B&RE August 1996	Retained
	B7V-35	B7V-35	TS	B&RE August 1996	Retained
	B7V-36	B7V-36	TS	B&RE August 1996	Retained
	B7V-37	B7V-37	TS	B&RE August 1996	Retained
BG 8	B8SB	B8SB	SO	B&RE August 1996	Retained
	B8SS	B8SS	SD	B&RE August 1996	Retained
	B8C-2	B8C-2	TS	B&RE August 1996	Retained
	B8C-7	B8C-7	TS	B&RE August 1996	Retained
	B8CH-6	B8CH-6	TS	B&RE August 1996	Retained
	B8L-1	B8L-1	TS	B&RE August 1996	Retained
	B8L-8	B8L-8	TS	B&RE August 1996	Retained
	B8T-3	B8T-3	TS	B&RE August 1996	Retained
	B8T-4	B8T-4	TS	B&RE August 1996	Retained
	B8T-5	B8T-5	TS	B&RE August 1996	Retained
	B8T-9	B8T-9	TS	B&RE August 1996	Retained
	B8V-10	B8V-10	TS	B&RE August 1996	Retained
	B8V-11	B8V-11	TS	B&RE August 1996	Retained
	B8V-12	B8V-12	TS	B&RE August 1996	Retained
	B8V-13	B8V-13	TS	B&RE August 1996	Retained

a. GW-- Groundwater, SD-- Sediment, SO-- Soil, SW-- Surface Water, TS-- Tissue

exclusion of the samples from the final background data set. Based on available information, all other background sample locations appeared to either upgradient or side-gradient from the sites.

The last step in the selection of the final background data set involved a statistical analysis. Each group of data (e.g., chromium, soil data set) was sorted according to value, high detects to low detects. Constituents that were detected in a sample at unusually high values in comparison to other background samples were considered to be statistical outliers. In general, concentrations were evaluated based on a comparison with twice the average value for that constituent in the media of interest or with the average plus the standard deviation. Data that fall outside the expected distribution probably are the result of sampling error, analytical error, or unusual conditions that existed at the location during collection. Thus, such data are probably not representative of background conditions. As samples were eliminated from the data set, the statistics were rerun, calculating new averages and standard deviations, and the remaining samples in the data set were compared with the new values. This process was repeated until no additional samples were identified for elimination. Samples that appeared to have one or two outlying constituents were retained in the final background data set; those constituents are discussed by medium in Sections 3, 4, 5, 6, or 7. Generally, samples with three or more outliers (identified through the objective statistical comparison described above) were eliminated from the data set. Samples discarded because of the statistical analysis are identified as such in the comments column of Table 2-1.

Outliers were not identified and eliminated until both the B&R Environmental data and the historical data had undergone verification. For historical data, this involved verifying the electronic data against supporting documentation, usually lab data sheets. Electronic data associated with the B&R Environmental field investigation were reviewed during the data validation process (see Section 2.4.5). If a discarded sample represented site data, it was reintroduced to the data set for the site in question.

Table 2-2 summarizes samples identified as representative background samples and retained in the final background data set for NAS Key West.

TABLE 2-2

FINAL BACKGROUND DATA SET FOR NAS KEY WEST
NAS KEY WEST, FLORIDA
PAGE 1 OF 4

Site	Medium					Data Source
	Soil	Sediment	Surface Water	Groundwater	Biota	
SWMU 1	S1SB-7(U25)	S1SS-7SD(AB18)	S1SS-7SW(AB18)	NA	NA	BEI 1994
	S1SS-4	NA[a]	NA	S1MW-3	NA	B&RE January 1996
SWMU 2	NA	NA	NA	S2MW-1	NA	IT 1993
	S2SB-9	NA	S2SS-4SW	NA	NA	BEI 1994
	NA	NA	NA	S2MW-4 S2MW-1	NA	B&RE January 1996
SWMU 3	S3BG-1	NA	S3SS-4	NA	NA	IT 1993
SWMU 4	NA	S4BG-1	S4BG-1	S4MW-1	NA	IT 1993
	NA	S4SS-4	S4SW-4	S4MW-4	NA	B&RE August 1996
SWMU 5	NA	NA	NA	S5MW-4 S5MW-5	NA	B&RE August 1996
SWMU 7	NA NA	NA NA	NA NA	S7MW-2 S7MW-2	NA NA	IT 1993 B&RE October 1996
IR 1	NA	NA	NA	I1MW-6 I1MW-7	NA	B&RE August 1996
IR 3	NA	NA	NA	I3MW-6	NA	B&RE August 1996
IR 7	NA	NA	I7SS-10(IT)	NA	NA	IT 1993
IR 8	NA	NA	I8SS-10(IT)	NA	NA	IT 1993
BG 1	BG1SS-01 BG1SS-02 BG1SS-03	BG1SD-01	BG1SW-01	NA	BG1F-01 (96) BG1F-02 (96) BG1F-03 (96) BG1F-04 (96) BG1F-05 (96) BG1F-06 (96) BG1F-07 (96) BG1F-08 (96) BG1F-09 (96) BG1F-10 (96) BG1F-11 (96) BG1F-13 (96) BG1F-14 (96) BG1F-15 (96) BG1F-16 (96) BG1F-17 (96) BG1F-18 (96) BG1F-19 (96) BG1F-21 (96) BG1F-22 (96) BG1F-23 (96) BG1F-24 (96) BG1F-26 (96) BG1F-27 (96) BG1F-28 (96)	B&RE January 1996
BG 2	BG2SS-01 BG2SS-02 BG2SS-03	BG2SD-01	BG2SW-01	NA	BG2F-01 (96) BG2F-02 (96) BG2F-03 (96)	B&RE January 1996

TABLE 2-2

FINAL BACKGROUND DATA SET FOR NAS KEY WEST
NAS KEY WEST, FLORIDA
PAGE 2 OF 4

Site	Medium					Data Source
	Soil	Sediment	Surface Water	Groundwater	Biota	
BG 2 (CONT)					BG2F-04 (96) BG2F-05 (96) BG2F-06 (96) BG2F-07 (96) BG2F-08 (96) BG2F-09 (96) BG2F-10 (96)	B&RE January 1996
BG 3	BG3SS-01 BG3SS-02	BG3SD-01	BG3SW-01	NA	BG3BV-01 (96) BG3BV-02 (96) BG3BV-03 (96) BG3F-03 (96) BG3F-04 (96) BG3F-06 (96) BG3F-07 (96) BG3F-08 (96) BG3F-09 (96) BG3F-10 (96) BG3F-11 (96) BG3F-12 (96) BG3F-13 (96) BG3F-14 (96) BG3F-15 (96) BG3F-16 (96) BG3F-17 (96) BG3F-18 (96) BG3F-19 (96) BG3F-20 (96) BG3F-21 (96)	B&RE January 1996
BG 4	B4SB	B4SS-1 B4SS-2	B4SW	NA	B4C-1 B4C-10 B4C-11 B4C-12 B4C-2 B4C-3 B4C-4 B4C-5 B4C-6 B4C-7 B4C-9 B4CH-16 B4CH-22 B4CH-23 B4CH-24 B4CH-COMP 1 B4CH-COMP 2 B4L-8 B4V-13	B&RE August 1996

TABLE 2-2

FINAL BACKGROUND DATA SET FOR NAS KEY WEST
NAS KEY WEST, FLORIDA
PAGE 3 OF 4

Site	Medium					Data Source
	Soil	Sediment	Surface Water	Groundwater	Biota	
BG 4 (CONT)					B4V-14 B4V-15	B&RE August 1996
BG 5	NA	B5SS-1	B5SW	NA	B5C-27 B5C-28 B5CH-29 B5CH-30 B5L-10 B5L-11 B5L-12 B5L-13 B5L-14 B5L-15 B5L-16 B5L-17 B5L-18 B5L-19 B5L-20 B5L-21 B5L-22 B5L-23 B5L-24 B5L-25 B5V-29 B5V-30	B&RE August 1996
BG 6	B6SB	B6SS	B6SW	NA	B6V-1 B6V-2 B6V-3	B&RE August 1996
BG 7	NA	B7SS-1 B7SS-2	B7SW-1	NA	B7F-1 B7F-16 B7F-17 B7F-18 B7F-19 B7F-2 B7F-20 B7F-22 B7F-24 B7F-25 B7F-26 B7F-27 B7F-28 B7F-29 B7F-3 B7F-30 B7F-31 B7F-32 B7F-33 B7F-34	B&RE August 1996

TABLE 2-2

FINAL BACKGROUND DATA SET FOR NAS KEY WEST
NAS KEY WEST, FLORIDA
PAGE 4 OF 4

Site	Medium					Data Source
	Soil	Sediment	Surface Water	Groundwater	Biota	
BG 7 (CONT)					B7F-4 B7F-5 B7F-6 B7F-7 B7V-35 B7V-36 B7V-37	B&RE August 1996
BG 8	B8SB	B8SS	NA	NA	B8C-2 B8C-7 B8CH-6 B8L-1 B8L-8 B8T-3 B8T-4 B8T-5 B8T-9 B8V-10 B8V-11 B8V-12 B8V-13	B&RE August 1996
Total no. of samples in final background data set	15	16	14	12	142[b]	

a. No background samples collected.
b. This includes 77 fish samples (F), 3 oyster samples (BV), 15 vegetation samples (V), 13 conch samples (CH or T), 15 crab samples (C), and 19 lobster samples (L).

2.2 MODIFICATIONS TO THE BACKGROUND DATA SET

The preliminary background data set underwent analysis for statistical outliers, as discussed in Section 2.1.2, and was also modified based on several other criteria, as follows:

- Data from field duplicate samples were averaged.
- Data from investigations conducted by other contractors in which samples underwent dilutions or reextractions/reanalyses were evaluated conservatively to select a single result for each constituent associated with a given sample. All data were reviewed and modified as necessary to make the units in which results were reported consistent throughout a given fraction.
- Essential macronutrients (calcium, magnesium, potassium, and sodium) were excluded from the background characterization.
- Data from B&R Environmental field investigations (January and August through October 1996) underwent data validation.

Each of these modifications was essential to create a background data set that contained only usable representative data.

2.2.1 Field Duplicates

Duplicate samples were collected at groundwater sampling locations S1MW-3, S2MW-1, and S5MW-4. To avoid statistical bias, results from duplicate samples were averaged and counted as a single sample. Nondetect values were assigned a value of one-half the detection limit for computing the average. If the values being averaged were both nondetects, then the values were averaged directly and the average value was considered a nondetect value. If one of the values was a nondetect and the other a detect, the resulting average was considered to be a detect value. The result of the data averaging is a statistical data set in which a single result exists for each analyte at any given sampling location from a given investigation.

2.2.2 Dilutions and Reextractions/Reanalyses

Due to dilutions and reextractions/reanalyses, multiple sets of data might exist for a given sample after laboratory analysis. During validation of the B&R Environmental data, these multiple sets of results were evaluated and the appropriate set of values was selected for inclusion in the data set. Although historical data was not put through the rigorous validation process for this report, dilutions and re-extractions/reanalyses in historical data were addressed to obtain a single set of data for each sample. If a dilution or reanalysis of historical data resulted in a higher concentration than that detected in the original analysis, the original lower value was included in the final data set. If lower results were associated with the dilution or reanalysis, then those values were incorporated in the data set instead of the original results. For nondetected analytes, the original detection limits were usually maintained in the data set, because they were generally lower than those in the dilution or reextraction/reanalysis. If an analyte was detected in one set of results and was not detected in another set for the same sample, then the detected values were included in the final data set. This approach was necessary to ensure that a single representative result existed for each analyte associated with a given sample.

2.2.3 Modifications to Units

In a solid matrix, organic analytes (soil, sediment or tissue) are generally reported in micrograms per kilogram (µg/kg), synonymous with parts per billion (ppb), while inorganic analytes are reported in milligrams per kilograms (mg/kg), synonymous with parts per million (ppm). Any analyte in a liquid matrix (surface water or groundwater) is generally reported in micrograms per liter (µg/L). Laboratory results usually reflect these standardized units. In isolated instances, particularly with data from previous investigations, units were inconsistent. These situations were identified, and the units in the electronic data base were verified against the supporting documentation. Once it was ensured that the electronic data base was accurate, inconsistent units were converted to follow the accepted reporting criteria. This practice was consistently followed so the comparison of analyte concentrations between samples would not be misleading or inaccurate.

2.2.4 Essential Macronutrients

Relatively large quantities of the essential macronutrients calcium, magnesium, potassium, and sodium occur commonly in the environment and are necessary to sustain life. In accordance with the workplan (ABB 1995) these compounds were not considered potential contaminants and they are not addressed in the background characterization.

2.2.5 Data Validation

Ten percent of the data from B&R Environmental samples collected in 1996 underwent full data validation and 90 percent received *limited review*, which included evaluating holding time, calibration, blank contamination, and other factors. The objective of the limited review was to eliminate false positives and false negatives. The data validation and review process provided a determination of the quality of data associated with the January and August 1996 sampling activities. Data not meeting EPA and Navy quality standards were discarded. Data from previous investigations (i.e., BEI 1995a, IT 1994) were assumed to have been assessed and were accepted at face value because records of validation were not available. Questionable historical data points (data that might be due to false positives or blank contamination) were eliminated from the background data set.

2.3 DATA ANALYSIS

The final background data set was analyzed to provide a meaningful evaluation of NAS Key West background conditions. A set of descriptive statistics was calculated for each parameter in each appropriate data group. Descriptive statistics included minimum values, maximum values, arithmetic mean, and standard deviation.

The values in the columns labeled "Average of All Values" in the tables in this report were calculated using all data points for a given chemical. For results that were reported as below the detection limit, one-half of the detection limit for that sample was used in the calculation. This type of calculation is commonly performed to obtain an average value from all sample results, not just the results where the chemical was detected. Occasionally, however, this type of calculation could cause the average value to be above the maximum detected value. This might occur when a chemical is detected at a low frequency and the average value is weighted more heavily by the detection limit values than the relatively low number of detected values. Detection limits for a given parameter might differ from sample to sample and investigation to investigation, so detection limit values for nondetected compounds might occasionally be high in comparison to detected concentrations of the same compound in a different sample.

In some instances, there are multiple entries for a single compound in the descriptive statistics for a given media. This occurred when an analyte's maximum concentration was detected in more than one sample. In this situation, each entry for a given analyte has a different location associated with the maximum value, and the other descriptive statistics are simply repeated.

2.4 SAMPLE COLLECTION AND ANALYTICAL PROCEDURES

Methods for the sampling and analysis of soil, surface water, sediment, and groundwater are specified in the supplemental RFI/RI SAP (ABB 1995). Methods for the sampling of biota are discussed in the Ecological Sampling Technical Memorandum, (B&R Environmental 1995) and the Ecological Sampling and Analysis Plan Addendum (B&R Environmental 1996). Further discussion of sample collection and laboratory analytical procedures will be included in Appendix C of the Supplemental RFI/RI Report.

2.5 BACKGROUND SAMPLING LOCATIONS

This section discusses the locations for samples that were accepted in the final background data set. This includes soil, sediment, surface-water, and biological samples from the eight background sites (BG 1 through BG 8), as well as soil, sediment, surface-water, and groundwater samples from 10 other sites at NAS Key West (SWMU 1, SWMU 2, SWMU 3, SWMU 4, SWMU 5, SWMU 7, IR 1, IR 3, IR 7, and IR 8).

2.5.1 Description of Background Sites

Background sites BG 1 through BG 8 were sampled in accordance with the Supplemental RFI/RI Sampling and Analysis Plan (ABB 1995). The following sections describe each background site selected during the January and August Supplemental RFI/RI field investigations. None of the previous investigations at NAS Key West obtained samples from any of these sites.

2.5.1.1 Background 1 (Northeastern Boca Chica Key)

Site BG 1 is in the northeastern portion of Boca Chica Key between Perimeter Road and the intersection of the air station's three major runways (Figure 1-5). It consists of a water-filled borrow pit, apparently excavated to provide fill material for other areas. Scattered red mangrove (*Rhizophora mangle*) trees occur along the water's edge. Terrestrial habitat surrounding the borrow pit consists of various grasses interspersed with areas of bare ground. Three surface soil samples and one surface-water and sediment sample were collected at BG 1.

The borrow pit is V-shaped, with one segment parallel to and approximately 300 feet from runway 3-21 and the other segment parallel to and approximately 300 feet from runway 7-25. The northern segment is approximately 100 feet wide and 10 feet deep, while the southern segment is approximately 40 feet wide and 3 to 6 feet deep. The borrow pit drains to a channel north of the site via a ditch at the north end of the

pit. The elevation of the top of the pit is high enough so marine water does not flow from the channel to the borrow pit. Biological samples were collected from within the borrow pit and included several fish species: crested goby (*Lophogobius cyprinoides*), sheepshead minnow (*Cyprinodon variegatus*), sailfin molly (*Poecilia latipinna*), striped mullet (*Mugil cephalus*), ladyfish (*Elops saurus*), and yellowfin mojarra (*Gerres cinereus*).

2.5.1.2 Background 2 (Southern Boca Chica Key)

Site BG 2 is in the southern portion of Boca Chica Key and consists of a large lagoon east of runway 3-21 (Figure 1-6). The lagoon is connected by narrow channels to the Atlantic Ocean. Water depth in most portions of the lagoon is 3 feet or less. Red mangrove, black mangrove (*Avicennia germinans*), white mangrove (*Laguncularia racemosa*), and buttonwood (*Conocarpus erectus*) trees occur along the edges of the lagoon. Mangrove swamps occur immediately beyond the edges of most of the lagoon. A soil sample, a surface-water sample, and a sediment sample were collected from the western side of the lagoon. Two additional surface soil samples were collected on the southeastern edge of BG 2. Biological samples collected from the lagoon included several fish species: sailfin molly, pinfish (*Lagodon rhomboides*), bluestriped grunt (*Haemulon sciurus*), sea robin (*Prionotus Sp*), and gray snapper (*Lutjanus griseus*).

2.5.1.3 Background 3 (Northwestern Boca Chica Key)

Site BG 3 is in the northwestern portion of Boca Chica Key north of U.S. Highway 1, and consists primarily of a shallow 8-acre lagoon (Figure 1-7). The lagoon is isolated from marine waters except during storm events. Mangroves occur along the lagoon shoreline. A rockland hammock dominated by the exotic Australian pine (*Casuarina equisetifolia*) is located to the west and north of the lagoon. Water depth throughout the lagoon is approximately 18 inches. Three surface soil samples and a surface-water and sediment sample were collected at BG 3. One of the soil samples (BG3SS-03) was excluded from the background data set due to metal outliers, as discussed in Appendix J of the Supplemental RFI/RI report for the High Priority Sites. Fish (Fundulas Spp., sailfin molly, sheepshead minnow, and yellowfin mojarra) and mangrove oyster (*Isognomon alatus*) samples were collected at BG 3 for tissue analysis.

2.5.1.4 Background 4 (Dredgers Key)

Site BG 4 is located approximately 0.5 mile north of Key West (Figure 1-8), encompassing the eastern end of Dredgers Key (known as Sigsbee Park on some maps) and the nearshore waters. Various U.S. Navy

facilities exist on the island, including the Navy Exchange and Commissary, and several homes. The eastern portion of Dredgers Key is relatively undeveloped. There is a small island approximately 150 yards south of the eastern tip of Dredgers Key that has no structures or other signs of development and is covered by an extensive red mangrove closed canopy forest. Red mangroves also dominate the southeastern shoreline of Dredgers Key. The northeastern shoreline is covered by Australian pines and scattered red mangroves. Submerged aquatic vegetation in these areas consists primarily of seagrasses such as turtle grass (*Thalassia testudinum*), manatee grass (*Cymodocea filiforme*), and shoal grass (*Halodule wrightii*).

Caribbean vase conchs (*Vasum muricatum*) and one milk conch (*Strombus costatus*) were collected near the northeastern shoreline of Dredgers Key, while stone crab (*Menippe mercenaria*), spiny spider crab (*Mithrax spinosissimus*), lobster (*Panulirus argus*), and turtle grass samples, as well as one surface-water and two sediment samples, were collected from the area between Dredgers Key and the small island to the south. A surface soil sample was collected from the wooded area on the eastern tip of Dredgers Key.

2.5.1.5 Background 5 (Bluefish Channel to Bay Keys)

Site BG 5, approximately 5 miles north of Key West, consists of the open-water area between Bluefish Channel and Bay Keys (Figure 1-9). Bay Keys are a group of three small mangrove-covered islands that appear to be pristine and are approximately 1.5 miles east of Bluefish Channel. Aquatic habitat in the vicinity of BG 5 consists of large areas dominated by turtle grass. Manatee grass, shoal grass, and other submerged aquatic plants also occur in the shallow water (3 to 6 ft) in this area.

The samples collected for tissue analysis were lobster, spiny spider crab, milk conch, Florida horse conch (*Pleuroploca gigantea*), and turtle grass. One surface-water and one sediment sample were also collected.

2.5.1.6 Background 6 (Geiger Key)

Site BG 6 is south of Old Boca Chica Road on Geiger Key, east of Boca Chica Key (Figure 1-10). The site consists of a water-filled borrow pit and a weedy area surrounded primarily by red mangroves, black mangroves, and buttonwood trees. The borrow pit is isolated from the Atlantic Ocean by approximately 500 feet of low-lying mangrove swamp. The surface water in the borrow pit does not have an outlet to any other body of water, but presumably receives water from the ocean during wind-generated (storm) tides.

Biological samples collected from BG 6 consisted of three terrestrial plant species: red mangrove, sea oxeye daisy (*Borrichia frutescens*), and seashore dropseed (*Sporobolus virginicus*). One sample each of surface soil, surface water, and sediment were also collected.

2.5.1.7 Background 7 (Eastern Key West)

Site BG 7 is in a lagoon and mangrove swamp near the eastern end of Key West (Figure 1-11). Red mangroves are the dominant vegetation throughout most of the site. Black mangroves and buttonwood are common along the edges of the lagoon. Australian pines and various grasses and weeds are found in the upland portions of the site. The lagoon is hydrologically connected by narrow, shallow channels to Cow Key Channel, and thus, water depth in the lagoon fluctuates with the tides. However, the water depth in most portions of the site is usually about 1 to 2 feet.

Biological samples included minnows, red mangrove, sea oxeye daisy, and seashore dropseed. Two sediment, one surface-water, and one soil sample were collected. Through the sample selection process discussed in Section 2.1, the soil sample (B7SB) was excluded from the final background data set due to metal and pesticide outliers. One minnow sample (B7F-23) was also excluded due to pesticide and PCB outliers.

2.5.1.8 Background 8 (Wisteria Island)

Wisteria Island (BG 8) is approximately 0.5 mile northwest of Key West (Figure 1-12). There is no development on the island, which is covered with dense canopy of Australian pines. The shoreline consists of crushed limestone and coral. Submerged aquatic vegetation surrounding the island is dominated by turtle grass.

Biological samples collected at BG 8 included lobster, spiny spider crab, Florida horse conch, red hermit crab (*Petrochirus diogenes*), true tulip snail (*Fasciolaria tulipa*), and turtle grass. One sediment and one soil sample were collected at BG 8.

2.5.2 Other Background Sampling Locations

Several background samples were collected from upgradient or side-gradient locations at RFI/RI sites. Field observations and topographic evaluations were used in siting these samples. These include samples collected by B&R Environmental, as well as samples from other investigations. The following

sections describe these sample locations. Section 2.1 contains additional information on the selection of samples for inclusion in the background data set.

2.5.2.1 SWMU 1 (Boca Chica Open Disposal Area)

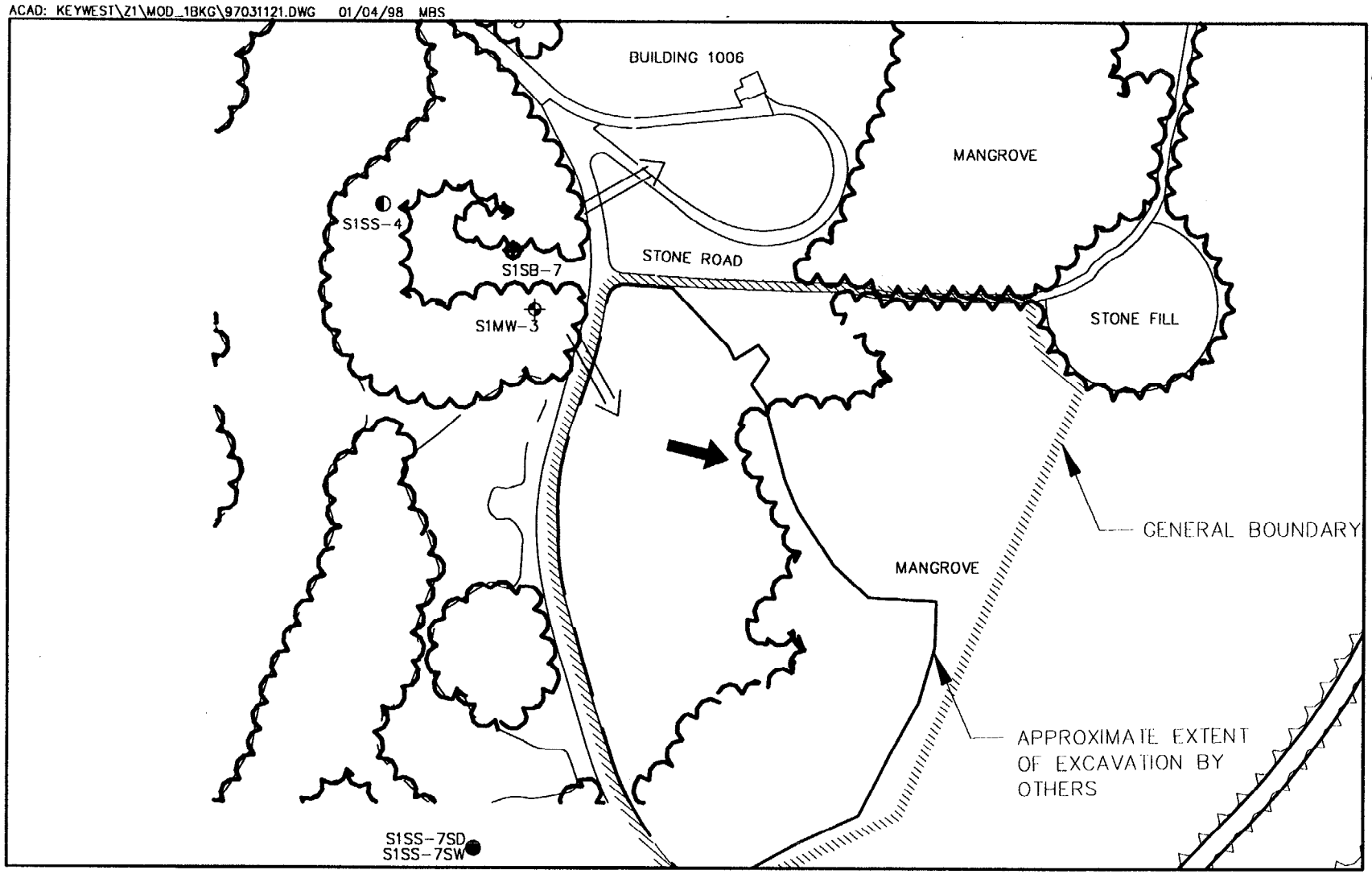
Five samples from the vicinity of the SWMU 1 Open Disposal Area were included in the final background data set; they included two soil samples, a sediment sample, a surface-water sample and a groundwater sample. All five samples were collected west of the Open Disposal Area (Figure 2-1). The two soil samples, S1SS-4 (collected by B&R Environmental in January 1996) and S1SB-7 (collected by BEI during the delineation study) were from the area northwest of the Open Disposal Area, as was S1MW-3, a monitoring well installed by B&R Environmental in January 1996. The surface-water and sediment samples, S1SS-7SW and S1SS-7SD, were collected by BEI during delineation sampling southwest of the Open Disposal Area.

2.5.2.2 SWMU 2 (Boca Chica DDT Mixing Area)

The final background data set included five samples from the SWMU 2 DDT Mixing Area: a soil sample, a surface-water sample, and three groundwater samples (Figure 2-2). The soil and surface-water samples were collected from the area northwest of the ditch at SWMU 2 during BEI's delineation sampling. Two groundwater samples, one collected by IT and one by B&R Environmental were taken from IT monitoring well S2MW-1. The third groundwater sample was collected in January 1996 by B&R Environmental from S2MW-4, installed during the Supplemental RFI/RI Investigation of the High Priority Sites. Both S2MW-1 and S2MW-4 are north of the DDT Mixing Area ditch.

2.5.2.3 SWMU 3 (Boca Chica Firefighting Training Area)

The final background data set included a surface-water and a soil sample from SWMU 3. Both samples were collected during the 1993 field investigation conducted by IT. The soil sample (S3BG-1) was collected just north of the northernmost firefighting training pit, while the surface-water sample (S3SS-4) was collected due west of the southernmost pit (Figure 2-3).



Brown & Root Environmental

0 150 300
SCALE IN FEET (APPROXIMATE)

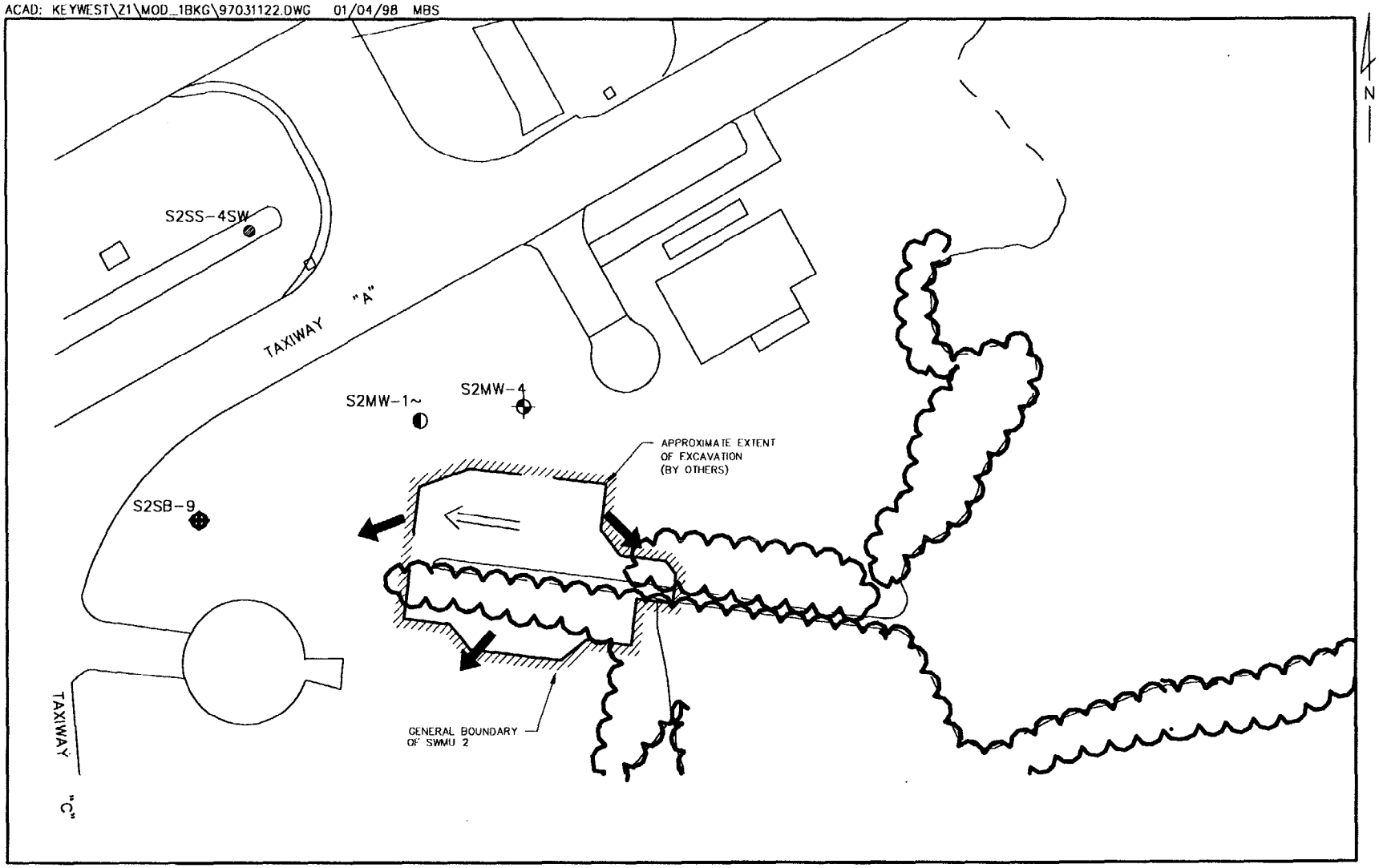
LEGEND
- SURFACE WATER & SEDIMENT SAMPLE LOCATION BEI (1995)
- SOIL SAMPLE LOCATION BEI (1995)
- GROUNDWATER SAMPLE LOCATION BROWN & ROOT ENVIRONMENTAL (JAN 1996)
- SOIL SAMPLE LOCATION BROWN & ROOT ENVIRONMENTAL (JAN 1996)
- GROUNDWATER FLOW DIRECTION OBSERVED BY BROWN & ROOT ENVIRONMENTAL (1996)
- GROUNDWATER FLOW DIRECTION OBSERVED BY IT CORPORATION (1993)

FIGURE 2-1. SWMU 1 BACKGROUND SAMPLING LOCATIONS

NAS KEY WEST — KEY WEST, FLORIDA

DRAWN BY:	SCALE:	DATE:	REV:
MBS	–	03/31/97	1
CHECKED BY: RD	CONTRACT NO.: –	FILE NAME: KEY WEST/Z1/97031121	

ACAD: KEYWEST\Z1\MOD_1BKG\97031122.DWG 01/04/98 MBS



Brown & Root Environmental

0 150 300
SCALE IN FEET (APPROXIMATE)

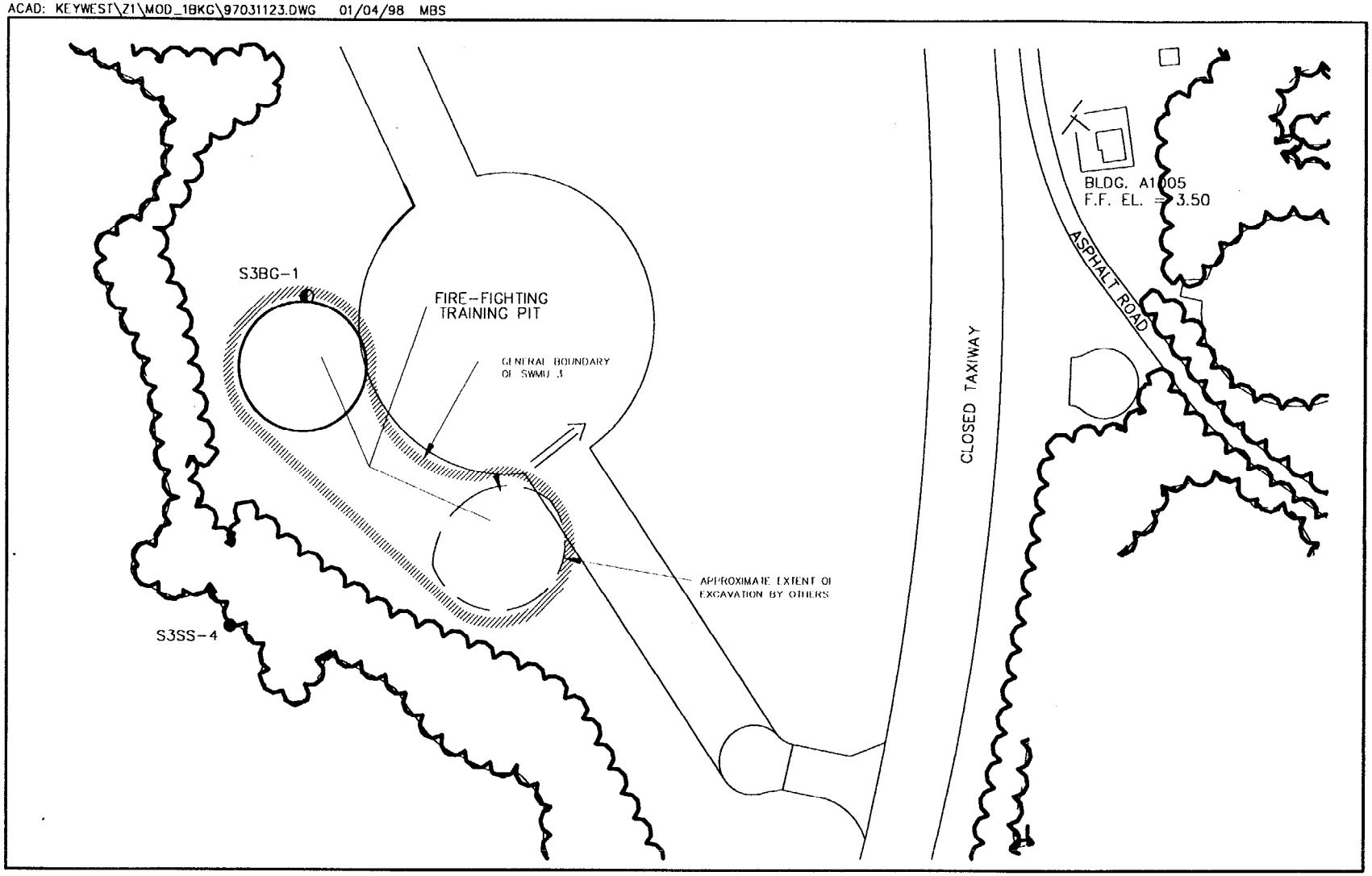
LEGEND
- SURFACE-WATER SAMPLE LOCATION BEI (1995)
- SOIL SAMPLE LOCATION BEI (1995)
- GROUNDWATER SAMPLE LOCATION BROWN & ROOT ENVIRONMENTAL (JAN 1996)
- GROUNDWATER SAMPLE LOCATION IT CORPORATION (1993)
- ~ ALSO SAMPLED BY BROWN & ROOT ENVIRONMENTAL (JAN 1996)
- GROUNDWATER FLOW DIRECTION OBSERVED BY BROWN & ROOT ENVIRONMENTAL (1996)
- GROUNDWATER FLOW DIRECTION OBSERVED BY IT CORPORATION (1993)

FIGURE 2-2. SWMU 2 BACKGROUND SAMPLING LOCATIONS

NAS KEY WEST — KEY WEST, FLORIDA

DRAWN BY:	SCALE:	DATE:	REV:
MBS	--	03/31/97	1
CHECKED BY: RD	CONTRACT NO.: --	FILE NAME: KEY WEST/Z1/97031122	

ACAD: KEYWEST\Z1\MOD_1BKG\97031123.DWG 01/04/98 MBS



Brown & Root Environmental

0 150 300

SCALE IN FEET (APPROXIMATE)

LEGEND

- ● SURFACE-WATER SAMPLE LOCATION IT CORPORATION (1993)
- ◐ SOIL SAMPLE LOCATION IT CORPORATION (1993)
- ⇒ GROUNDWATER FLOW DIRECTION OBSERVED BY BROWN & ROOT ENVIRONMENTAL (1996) AND IT CORPORATION (1993)

FIGURE 2-3. SWMU 3 BACKGROUND SAMPLING LOCATIONS

NAS KEY WEST — KEY WEST, FLORIDA

DRAWN BY:	SCALE:	DATE:	REV:
MBS	–	03/31/97	1
CHECKED BY:	CONTRACT NO.:	FILE NAME:	
RD	–	KEY WEST/Z1/97031123	

2.5.2.4 SWMU 4 (Aircraft Intermediate Maintenance Department Building A-980)

Six samples from SWMU 4 were accepted into the final background data set; these included two groundwater samples, two surface-water samples and two sediment samples. Monitoring wells S4MW-1 and S4MW-4 are south or upgradient of the Aircraft Intermediate Maintenance Department (AIMD) Building A980 (Figure 2-4). S4MW-1 was installed and sampled during the IT 1993 RFI/RI; B&R Environmental installed and sampled S4MW-4 during the August through October sampling. All four surface-water and sediment samples were collected west of the facility. IT sampled surface water and sediment at S4BG-1 in 1993. In August 1996, B&R Environmental collected surface water (S4SW-4) and sediment (S4SS-4) from a location slightly farther to the west of S4BG-1.

2.5.2.5 SWMU 5 (Aircraft Intermediate Maintenance Department Sand Blasting Building A-990)

B&R Environmental installed two upgradient monitoring wells at SWMU 5 in August 1996 (Figure 2-5). Both samples, S5MW-4 and S5MW-5, were accepted in the final background data set.

2.5.2.6 SWMU 7 (Building A-824)

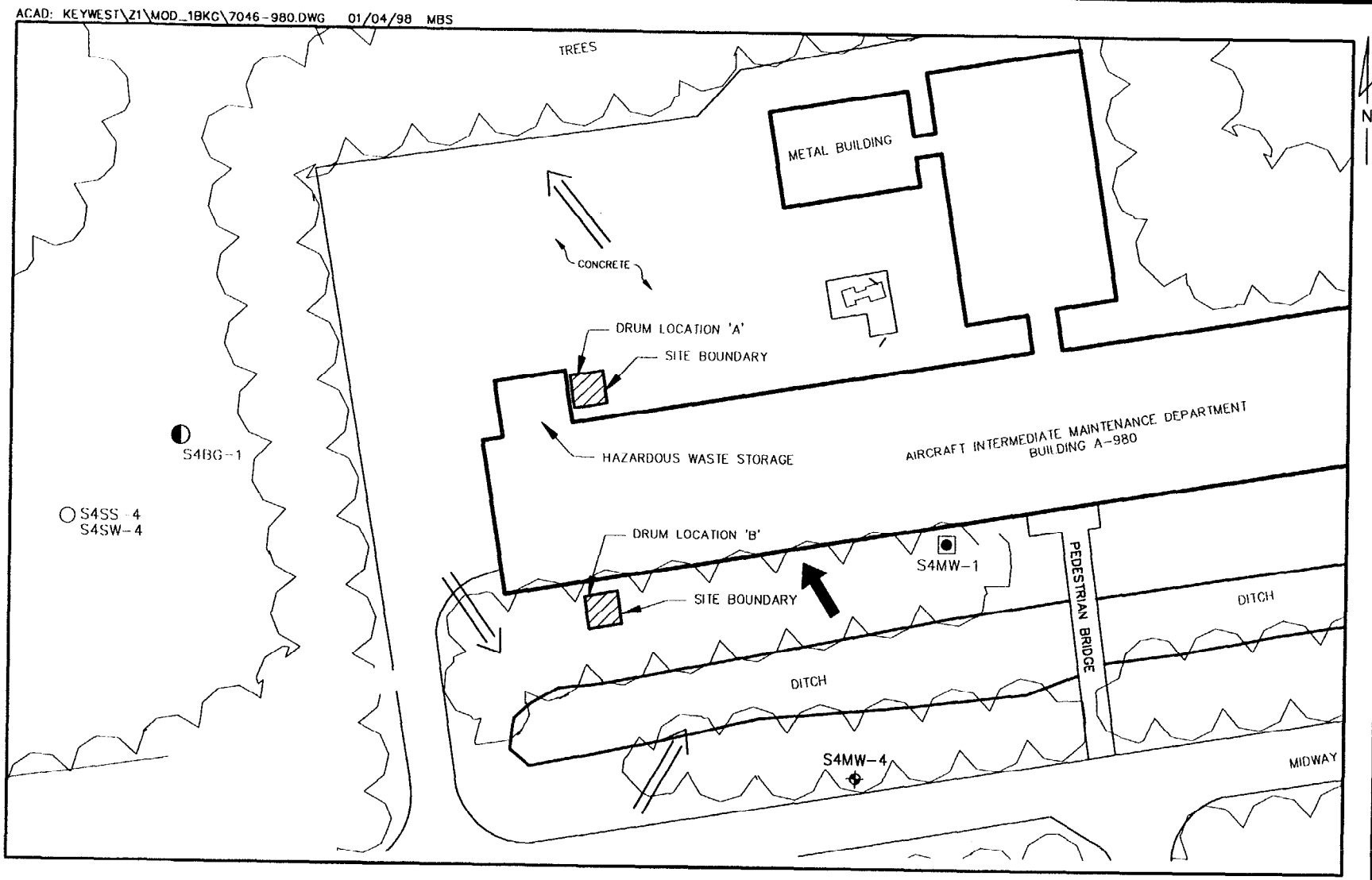
Two groundwater samples collected from monitoring well S7MW-2 east of Building A-824 (Figure 2-6) were included in the final background data set. IT collected a sample from S7MW-2 in 1993. B&R Environmental sampled the same well in October 1996.

2.5.2.7 IR 1 (Truman Annex Refuse Disposal Area)

B&R Environmental installed and sampled two upgradient monitoring wells (I1MW-6 and I1MW-7) at IR 1 in August 1996. Both samples were included in the final background data set. The wells are north of the Truman Annex Refuse Disposal Area (Figure 2-7).

2.5.2.8 IR 3 (Truman Annex DDT Mixing Area)

A single sample from IR 3 was included in the final background data set. This groundwater sample was collected from a monitoring well installed by B&R Environmental in August 1996. The well is northwest (upgradient) of IR 3 (Figure 2-8).



Brown & Root Environmental

0 60 120

SCALE IN FEET (APPROXIMATE)

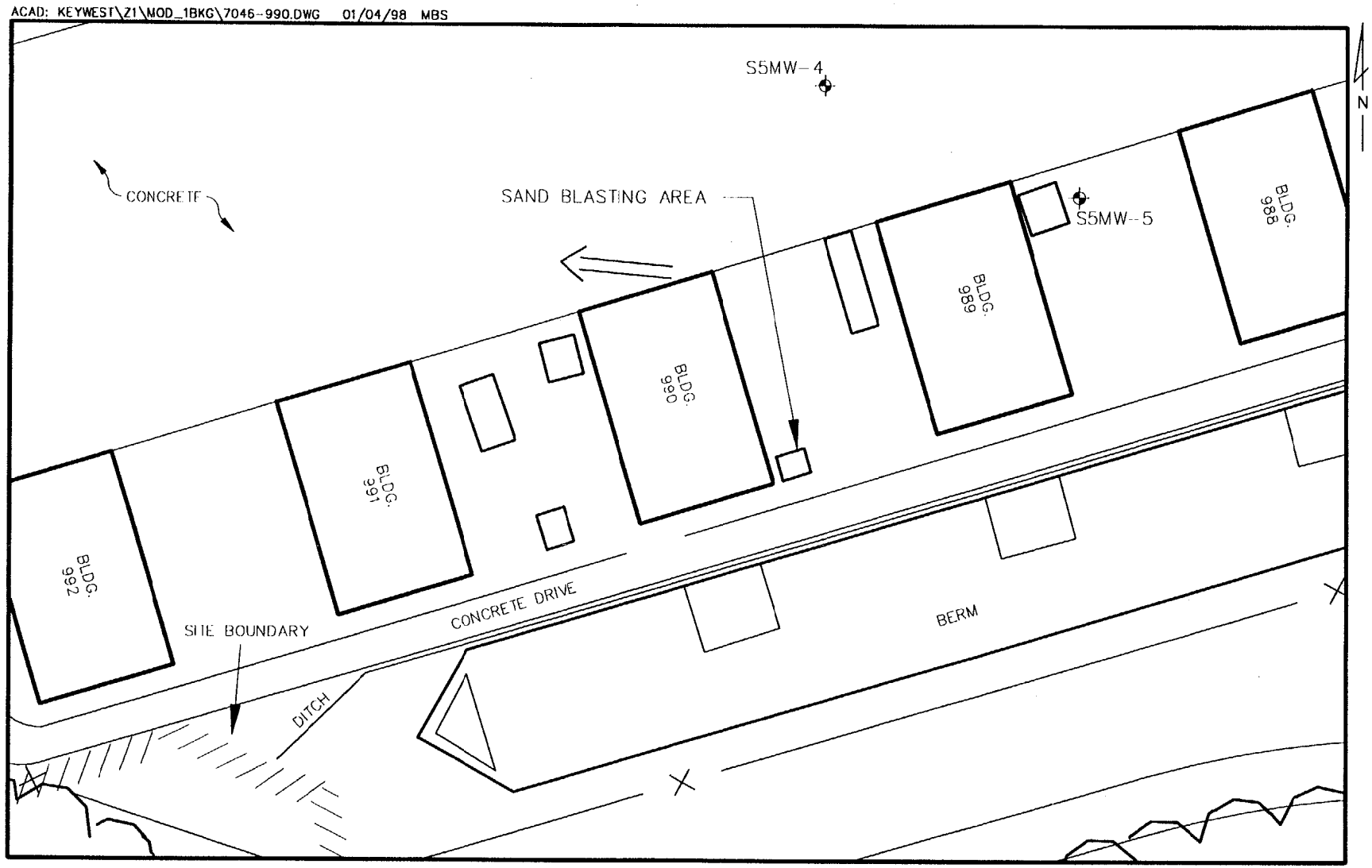
LEGEND

- SURFACE-WATER AND SEDIMENT SAMPLE LOCATION IT CORPORATION (1993)
- SURFACE-WATER AND SEDIMENT SAMPLE LOCATION BROWN & ROOT ENVIRONMENTAL (JAN 1996)
- GROUNDWATER SAMPLE LOCATION BROWN & ROOT ENVIRONMENTAL (JAN 1996)
- GROUNDWATER SAMPLE LOCATION IT CORPORATION (1993)
- GROUNDWATER FLOW DIRECTION OBSERVED BY BROWN & ROOT ENVIRONMENTAL (1996)
- GROUNDWATER FLOW DIRECTION OBSERVED BY IT CORPORATION (1993)

FIGURE 2-4. SWMU 4 BACKGROUND SAMPLING LOCATIONS

NAS KEY WEST — KEY WEST, FLORIDA

DRAWN BY:	SCALE:	DATE:	REV:
MBS	–	03/31/97	1
CHECKED BY: RD	CONTRACT NO.: –	FILE NAME: KEY WEST/Z1/7046-980	



Brown & Root Environmental

LEGEND

GROUNDWATER SAMPLE LOCATION BROWN & ROOT ENVIRONMENTAL (SEPT 1996)

GROUNDWATER FLOW DIRECTION OBSERVED BY BROWN & ROOT ENVIRONMENTAL (1996)

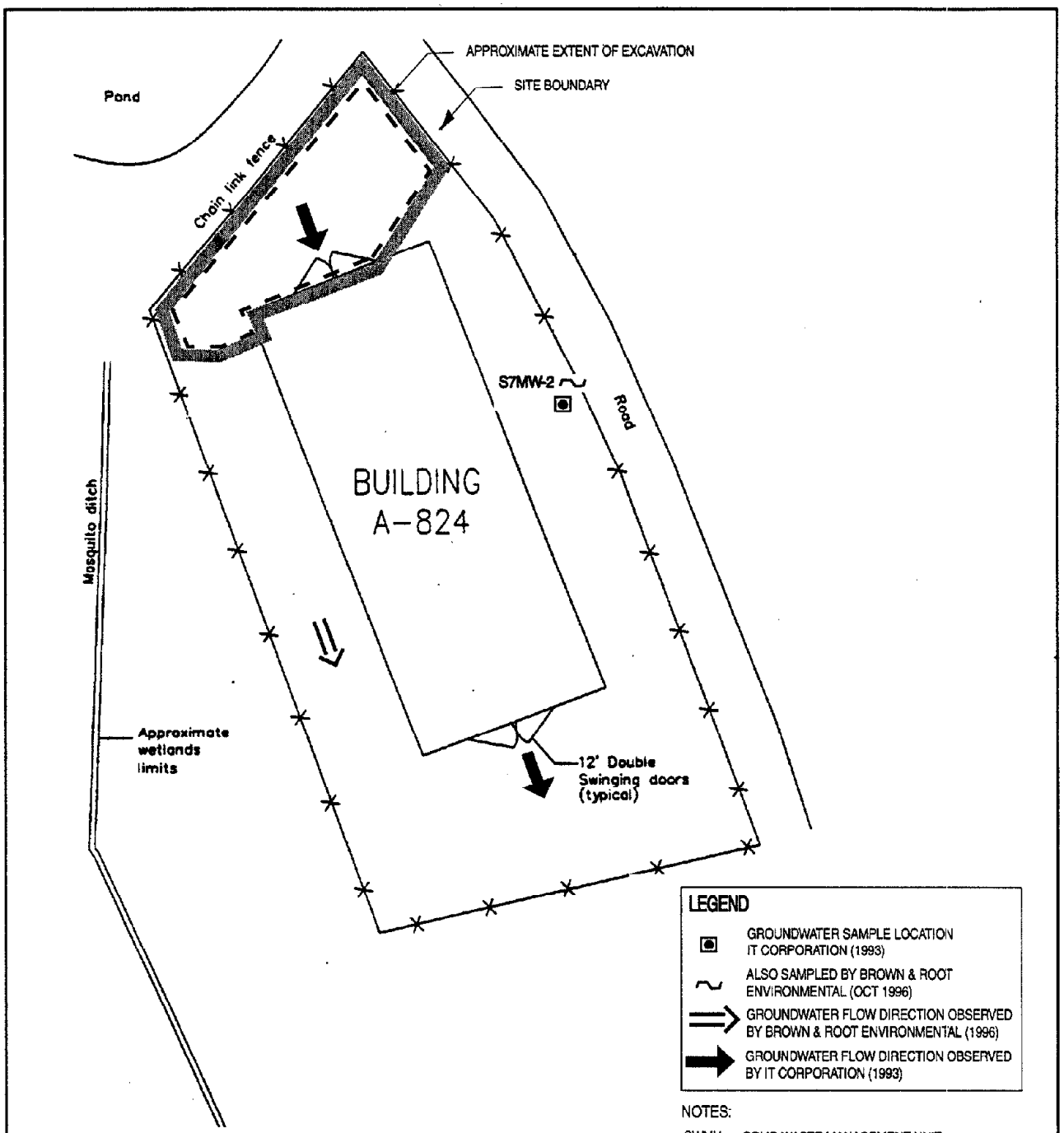
0 50 100

SCALE IN FEET (APPROXIMATE)

FIGURE 2-5. SWMU 5 BACKGROUND SAMPLING LOCATIONS

NAVAL AIR STATION KEY WEST, FLORIDA

DRAWN BY:	SCALE:	DATE:	REV:
MBS	–	03/31/97	1
CHECKED BY:	CONTRACT NO.:	FILE NAME:	
RD	–	KEY WEST/Z1/7046-990	



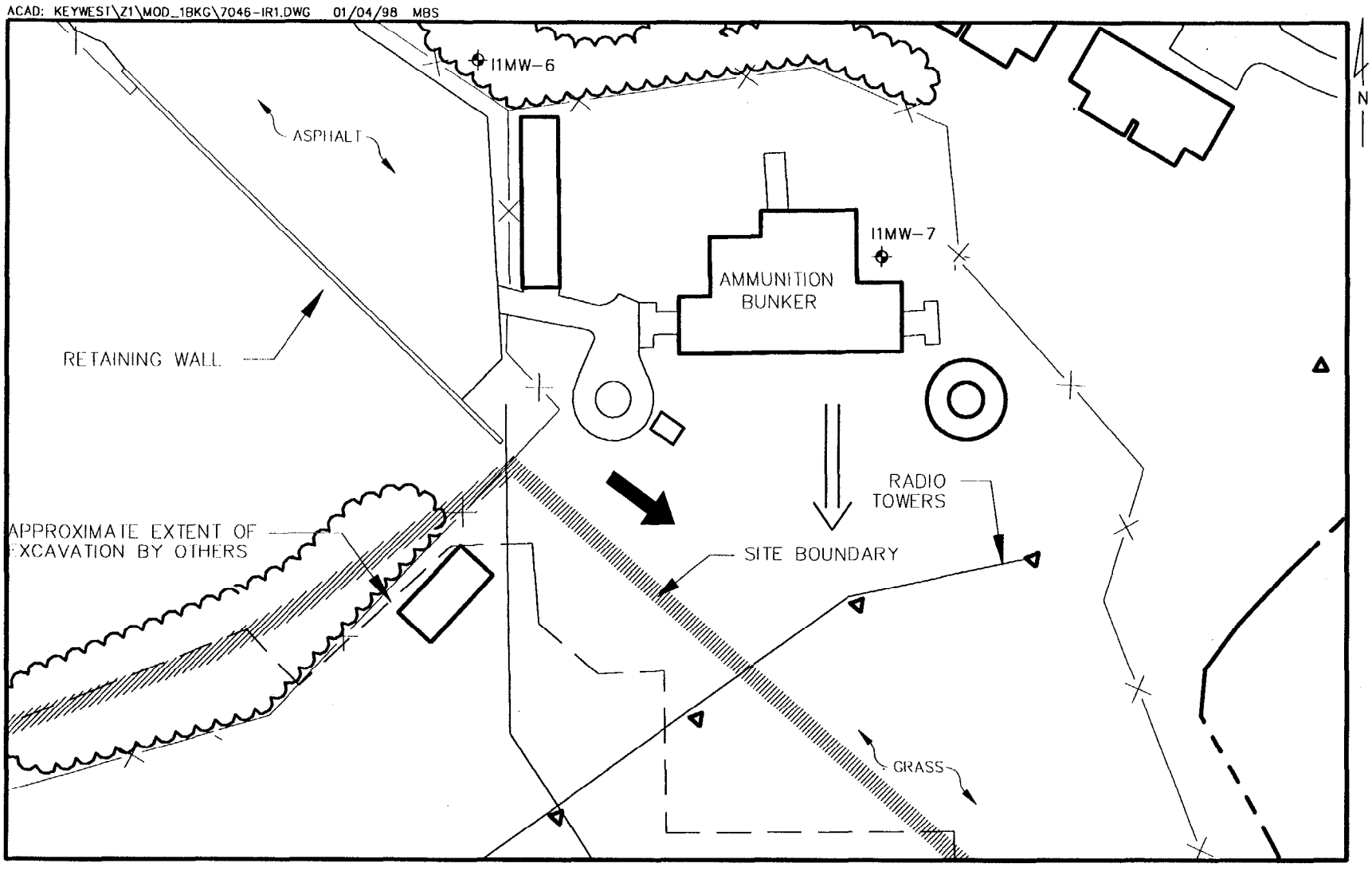
Brown & Root Environmental

0 150 300
SCALE IN FEET

FIGURE 2-6.
SWMU 7 BACKGROUND SAMPLING LOCATIONS

NAS KEY WEST — KEY WEST, FLORIDA

DRAWN BY: MDB	SCALE: AS NOTED	DATE: 01/04/98	REV: 1
CHECKED BY: RML	CONTRACT NO.: -	FILE NAME: PUBS/OES-PUBS/KEYW/MOD01/RFI/CH2/F2-6	



Brown & Root Environmental

0 80 160
SCALE IN FEET (APPROXIMATE)

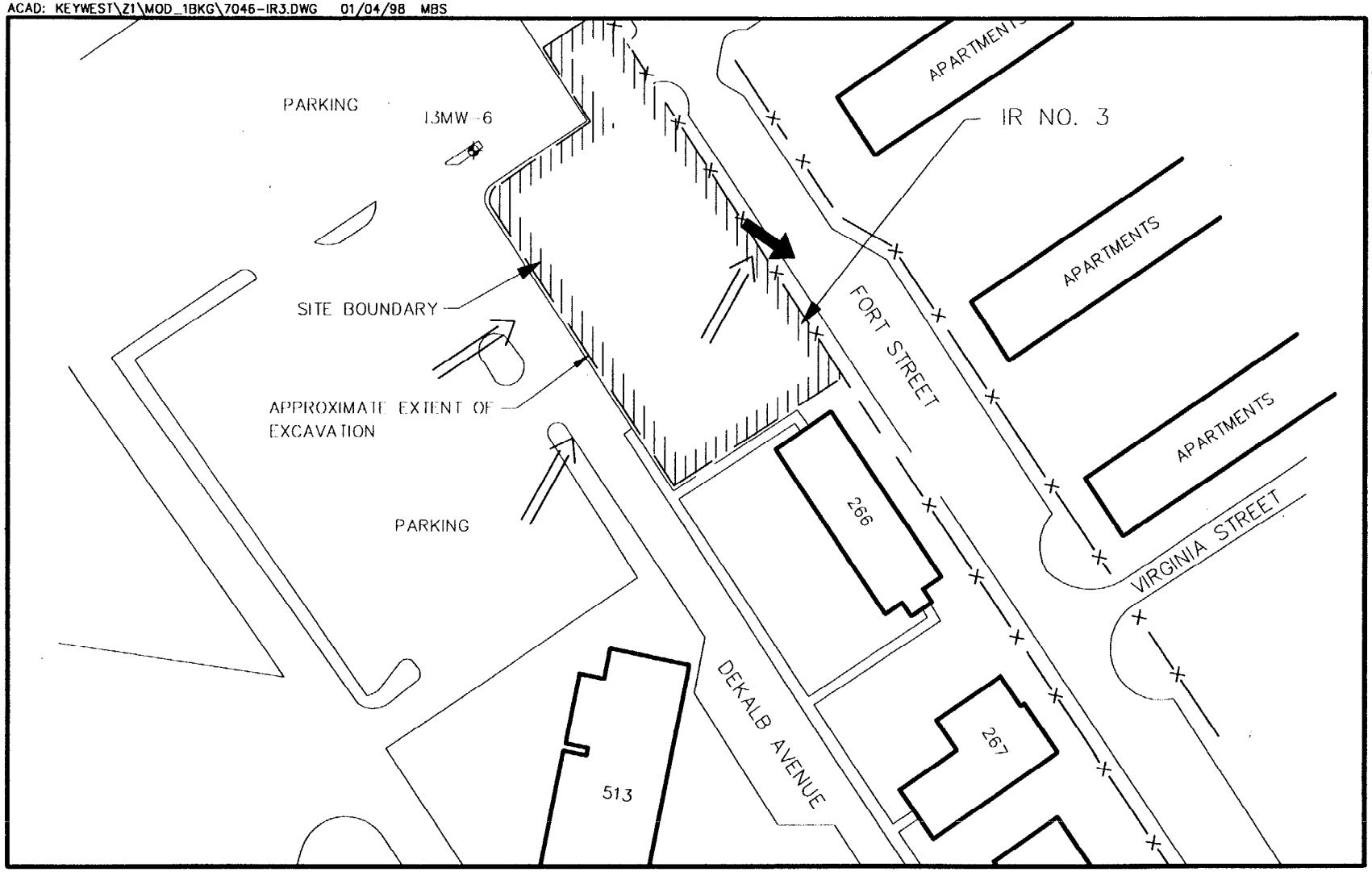
LEGEND
- GROUNDWATER SAMPLE LOCATION BROWN & ROOT ENVIRONMENTAL (SEPT 1996)
- GROUNDWATER FLOW DIRECTION OBSERVED BY BROWN & ROOT ENVIRONMENTAL (1996)
- GROUNDWATER FLOW DIRECTION OBSERVED BY IT CORPORATION (1993)

FIGURE 2-7. IR 1
BACKGROUND SAMPLING LOCATIONS

NAVAL AIR STATION KEY WEST, FLORIDA

DRAWN BY: MBS	SCALE: –	DATE: 03/31/97	REV: 1
CHECKED BY: RD	CONTRACT NO.: –	FILE NAME: KEY WEST/Z1/7046-IR1	

ACAD: KEYWEST\Z1\MOD_1BKG\7046-IR3.DWG 01/04/98 MBS



Brown & Root Environmental

0 40 80

SCALE IN FEET (APPROXIMATE)

LEGEND

- GROUNDWATER SAMPLE LOCATION BROWN & ROOT ENVIRONMENTAL (SEPT 1996)
- GROUNDWATER FLOW DIRECTION OBSERVED BY BROWN & ROOT ENVIRONMENTAL (1996)
- GROUNDWATER FLOW DIRECTION OBSERVED BY IT CORPORATION (1993)

FIGURE 2-8. IR 3 BACKGROUND SAMPLING LOCATIONS

NAVAL AIR STATION KEY WEST, FLORIDA

DRAWN BY:	SCALE:	DATE:	REV:
MBS	--	03/31/97	1
CHECKED BY:	CONTRACT NO.:	FILE NAME:	
RD	--	KEY WEST/Z1/7046-IR3	

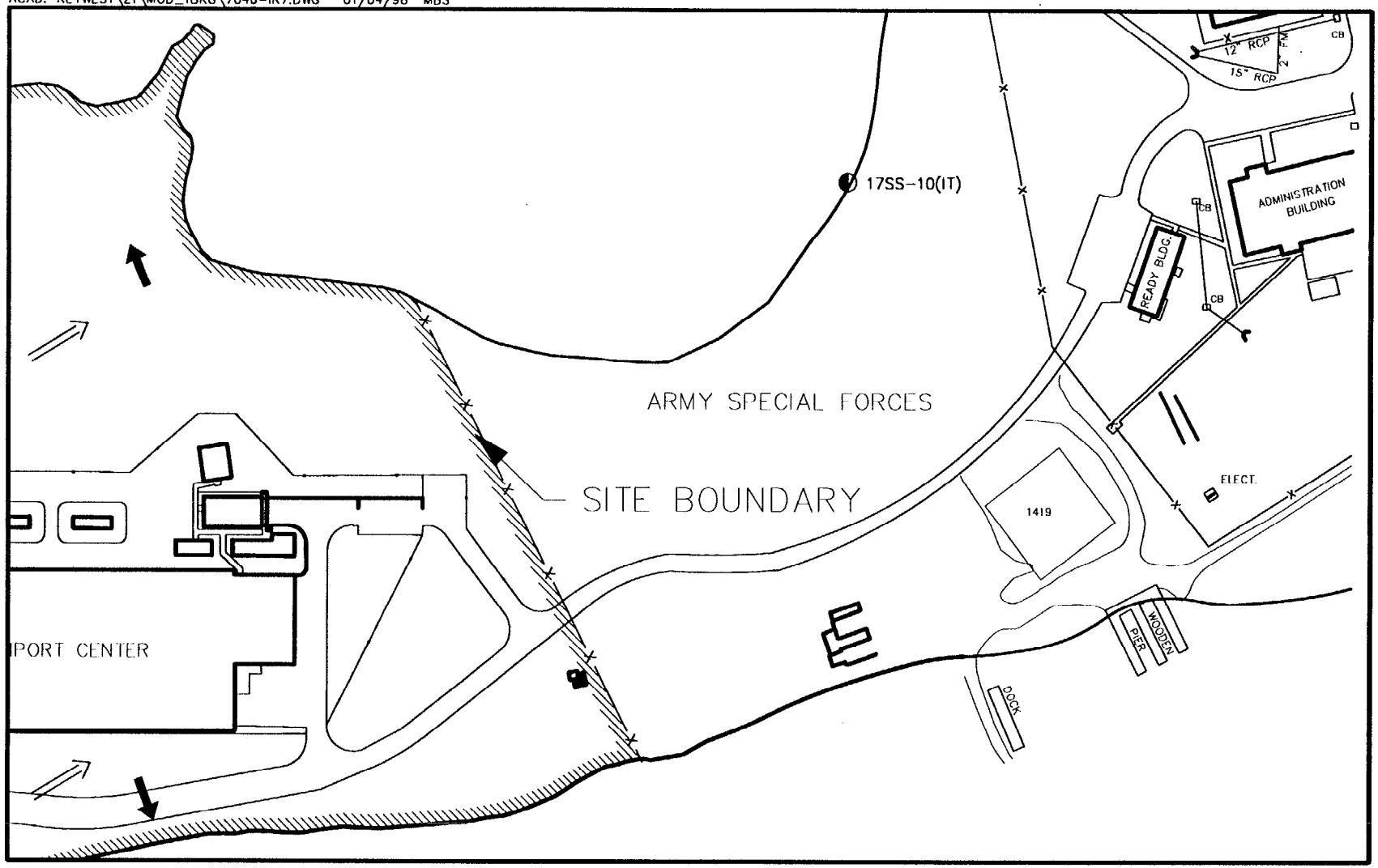
2.5.2.9 IR 7 (Fleming Key North Landfill)

A surface-water sample from the northeast portion of IR 7 was included in the final background data set. I7SS-10(IT) was collected by IT during the 1993 RFI/RI field investigation (Figure 2-9).

2.5.2.10 IR 8 (Fleming Key South Landfill)

The final background data set included a single sample from IR 8. Surface-water sample I8SS-10(IT) was collected by IT in 1993 from the shoreline just southwest of the Fleming Key South Landfill (Figure 2-10).

ACAD: KEYWEST\Z1\MOD_1BKG\7046-IR7.DWG 01/04/98 MBS



Brown & Root Environmental

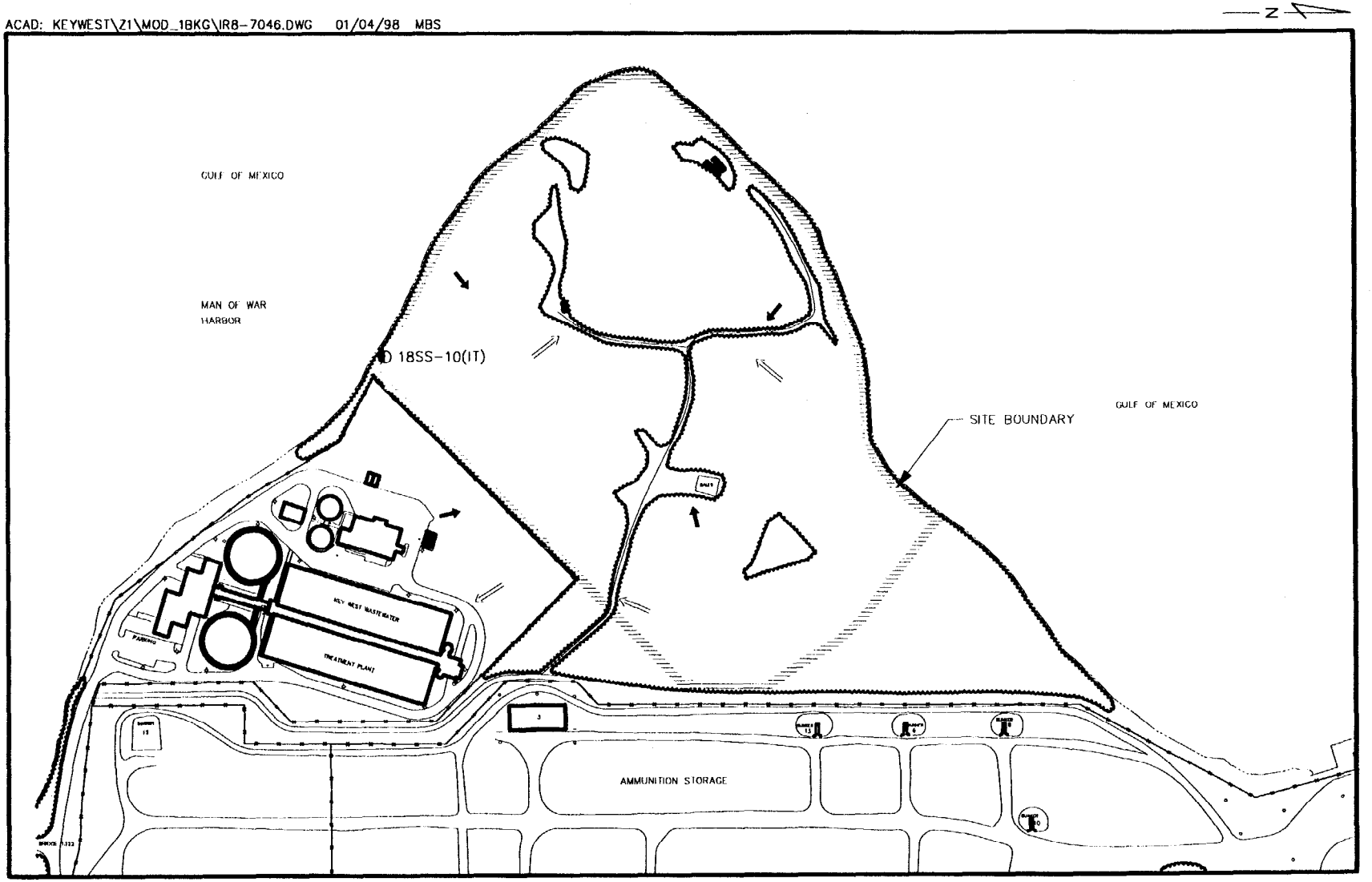
0 150 300
SCALE IN FEET (APPROXIMATE)

LEGEND
- SURFACE-WATER SAMPLE LOCATION IT CORPORATION (1993)
- GROUNDWATER FLOW DIRECTION OBSERVED BY BROWN & ROOT ENVIRONMENTAL (1996)
- GROUNDWATER FLOW DIRECTION OBSERVED BY IT CORPORATION (1993)

FIGURE 2-9. IR 7
BACKGROUND SAMPLING LOCATIONS

NAVAL AIR STATION KEY WEST, FLORIDA

DRAWN BY: MBS	SCALE: –	DATE: 03/31/97	REV: 1
CHECKED BY: RD	CONTRACT NO.: –	FILE NAME: KEY WEST/Z1/7046-IR7	



Brown & Root Environmental

0 200 400
SCALE IN FEET (APPROXIMATE)

LEGEND
- SURFACE-WATER SAMPLE LOCATION IT CORPORATION (1993)
- GROUNDWATER FLOW DIRECTION OBSERVED BY BROWN & ROOT ENVIRONMENTAL (1996)
- GROUNDWATER FLOW DIRECTION OBSERVED BY IT CORPORATION (1993)

FIGURE 2-10. IR 8
BACKGROUND SAMPLING LOCATIONS

NAVAL AIR STATION KEY WEST, FLORIDA

DRAWN BY:	SCALE:	DATE:	REV:
MBS	–	03/31/97	1
CHECKED BY: RD	CONTRACT NO.: –	FILE NAME: KEY WEST/T1/IR8-7046.DWG	

3.0 SOIL CHARACTERIZATION

The background summary statistics for soil (Table 3-1) are based on the analytical results of 15 soil samples collected from background sampling locations in the vicinity of NAS Key West. Of the 232 compounds tested for in the soil background samples, 47 were detected. The detected compounds were fairly evenly divided between the organic and inorganic fractions, although individual inorganic compounds had a much greater frequency of detection. Most of the inorganic compounds were detected in a majority of the samples. Pesticides appear to be the most widespread organic background contaminants, particularly 4,4'-DDT and its degradation products. Both the pesticide and inorganic soil data are representative of wide-spread soil background conditions in the vicinity of NAS Key West, due both to the high frequency of detection and to the nature of the compounds in question. Inorganics occur commonly in nature and are ubiquitous, while pesticides have a long history of use in the area around NAS Key West. Most other organic background contaminants, including eight semivolatile compounds and ten volatile compounds, were limited to a single detection. Of the volatiles and semivolatiles, only methylene chloride was consistently detected, occurring in 6 of the 12 samples tested for that compound. While volatile and semivolatile contamination might be a consequence of widespread fuel and solvent use in our industrialized society, the detected organics also include common laboratory and rinsate contaminants [e.g., acetone, bis(2-ethylhexyl)phthalate, and methylene chloride], and might not be representative of widespread background conditions.

The following sections discuss in greater detail the results of the chemical analytical testing and the statistical analysis for background soil samples from the vicinity of NAS Key West. The discussion of results includes volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides and polychlorinated biphenyls (PCBs), and inorganics.

3.1 VOLATILE ORGANIC COMPOUNDS

Eleven VOCs were detected in the soil background samples. Ten were detected in only one sample each. Methylene chloride (a common laboratory rinsate blank contaminant) had six detections and a maximum concentration of 14 µg/kg. The remaining detected concentrations of methylene chloride were less than 2 µg/kg. Bis(2-chloroisopropyl) ether was detected in a single sample (BG3SS-01) and, at 21 µg/kg, had the highest concentration of all detected volatiles. Three common fuel constituents (toluene,

TABLE 3-1

BACKGROUND SUMMARY STATISTICS FOR SOIL
NAS KEY WEST, FLORIDA
PAGE 1 OF 2

Chemical	Frequency of Detection	Minimum	Maximum	Location of the Maximum	Average of All Values	Standard Deviation of All Values	UNITS
Inorganics							
Aluminum	14/14	120.00	4,250.00	BG1SS-03	1,887.29	1,571.57	mg/kg
Antimony	2/15	0.26	0.48	S1SB-7	0.39	0.41	mg/kg
Arsenic	6/15	0.63	2.70	BG1SS-03	1.29	0.75	mg/kg
Arsenic	6/15	0.63	2.70	S2SB-9	1.29	0.75	mg/kg
Barium	15/15	4.40	17.70	BG1SS-03	10.51	4.30	mg/kg
Beryllium	2/15	0.13	0.15	S1SB-7	0.05	0.04	mg/kg
Cadmium	4/15	0.11	0.45	S1SB-7	0.15	0.14	mg/kg
Chromium	15/15	1.90	15.50	S1SB-7	6.02	3.82	mg/kg
Cobalt	7/15	0.22	0.51	S1SB-7	0.29	0.30	mg/kg
Copper	14/15	1.30	15.60	BG1SS-03	5.43	4.04	mg/kg
Iron	14/14	98.10	2,260.00	BG3SS-01	1,167.44	780.51	mg/kg
Lead	14/15	0.65	48.30	BG3SS-01	15.66	16.72	mg/kg
Manganese	14/14	2.60	33.70	BG1SS-01	17.65	10.48	mg/kg
Mercury	5/15	0.03	0.08	BG3SS-01	0.03	0.02	mg/kg
Nickel	11/15	0.63	4.10	S1SS-4	1.67	1.16	mg/kg
Selenium	5/15	0.46	1.80	BG3SS-01	0.65	0.43	mg/kg
Sulfide	1/1	49.00	49.00	S3BG-1	49.00		mg/kg
Tin	2/5	0.78	2.10	S1SB-7	1.94	0.70	mg/kg
Vanadium	15/15	0.80	8.80	S1SS-4	3.97	2.55	mg/kg
Zinc	12/15	0.63	89.10	BG3SS-01	15.22	25.52	mg/kg
Pesticides/PCBs							
4,4'-DDD	3/14	2.00	233.00	B4SB	22.46	60.93	µg/kg
4,4'-DDE	7/14	1.80	741.00	B4SB	63.23	195.59	µg/kg
4,4'-DDT	7/14	1.80	557.00	B4SB	46.78	146.97	µg/kg
Aroclor-1260	1/17	69.00	69.00	S1SB-7	43.28	63.93	µg/kg
Endosulfan I	2/14	1.00	3.50	B6SB	5.99	10.92	µg/kg
Endrin	1/14	1.20	1.20	B6SB	11.46	21.99	µg/kg
Methoxychlor	1/14	13.20	13.20	B6SB	57.94	109.96	µg/kg
Methyl parathion	1/12	2.20	2.20	BG2SS-02	17.08	29.44	µg/kg
Semivolatile Organic Compounds							
Anthracene	1/14	390.00	390.00	BG1SS-03	414.89	657.50	µg/kg

TABLE 3-1

BACKGROUND SUMMARY STATISTICS FOR SOIL
NAS KEY WEST, FLORIDA
PAGE 2 OF 2

Chemical	Frequency of Detection	Minimum	Maximum	Location of the Maximum	Average of All Values	Standard Deviation of All Values	UNITS
Benzo(b)fluoranthene	1/14	390.00	390.00	BG1SS-03	414.89	657.50	µg/kg
Bis(2-ethylhexyl)phthalate	1/11	330.00	330.00	S3BG-1	470.55	737.84	µg/kg
Chrysene	1/14	280.00	280.00	BG1SS-03	407.04	658.47	µg/kg
Fluoranthene	1/14	660.00	660.00	BG1SS-03	434.18	660.66	µg/kg
Hexachlorophene	1/2	51.00	51.00	S1SB-7	525.50	671.04	µg/kg
Pyrene	1/14	470.00	470.00	BG1SS-03	420.61	657.61	µg/kg
Volatile Organic Compounds							
1,1,2,2-tetrachloroethane	1/12	4.00	4.00	BG3SS-01	1.96	1.01	µg/kg
2-hexanone	1/12	2.00	2.00	BG3SS-01	3.92	1.47	µg/kg
Acetone	1/12	1.00	1.00	S1SS-4	3.67	2.54	µg/kg
Bis(2-chloroisopropyl)ether	1/11	21.00	21.00	BG3SS-01	67.82	130.34	µg/kg
Chloroform	1/12	1.00	1.00	BG3SS-01	1.71	0.81	µg/kg
Chloromethane	1/12	4.00	4.00	BG1SS-01	2.75	2.21	µg/kg
Ethylbenzene	1/15	0.31	0.31	S1SS-4	1.58	0.80	µg/kg
Methylene chloride	6/12	0.11	14.00	S3BG-1	2.80	3.65	µg/kg
Toluene	1/15	1.00	1.00	S1SS-4	1.62	0.75	µg/kg
Trichloroethene	1/12	1.00	1.00	S1SB-7	1.58	0.70	µg/kg
Xylenes, total	1/15	2.10	2.10	B8SB	3.73	0.73	µg/kg

ethylbenzene, and xylene) were each detected in a single sample at concentrations less than 2.1 μg/kg. Other volatiles detected in soil background samples included 1,1,2,2-tetrachloroethane, 2-hexanone, acetone, chloroform, chloromethane, and trichloroethene. The majority of the volatile detections were limited to two samples (BG3SS-01 and S1SS-4). Six samples had only one detection and another six samples did not exhibit volatile contamination.

3.2 SEMIVOLATILE ORGANIC COMPOUNDS

Eight semivolatile organic compounds were detected in background soil samples. Of the 14 samples on which semivolatile analysis was performed, only three exhibited a positive detection. None of the semivolatile compounds was detected in more than one sample, and five were polynuclear aromatic hydrocarbons (PAHs) detected in the same sample (BG1SS-03). The PAHs included anthracene, benzo(b)fluoranthene, chrysene, fluoranthene, and pyrene, with concentrations ranging from 280 μg/kg to 660 μg/kg. Of the remaining semivolatiles, di-n-butyl phthalate and hexachlorophene were detected in S1SB-7 at concentrations of 82 μg/kg and 51 μg/kg, respectively. Bis(2-ethylhexyl)phthalate was detected at a concentration of 330 μg/kg in S3BG-1.

3.3 PESTICIDES/POLYCHLORINATED BIPHENYLS

Seven pesticides and one PCB were detected in the background soil samples. The only pesticides detected in multiple samples were 4,4'-DDT, 4,4'-DDE, 4,4'-DDD, and endosulfan I. 4,4'-DDT and its degradation products had maximum concentrations in the same sample (B4SB), with 4,4'-DDE exhibiting the highest concentration of the three (741 μg/kg). All three of these detections in B4SB appeared to be outliers, based on the criteria discussed in Section 2.1. However, because pesticide contamination is expected in the background data set, and the rest of the results associated with B4SB were consistent with background data, the sample was retained in the data set. The next highest detections of 4,4'-DDT, 4,4'-DDE, and 4,4'-DDD were 9.3 μg/kg, 53.3 μg/kg, and 6.7 μg/kg, respectively. Other pesticides detected in background soil include endrin, methoxychlor, and methyl parathion. Of these, the highest concentration (13.2 μg/kg) was associated with methyl parathion. A single PCB (Aroclor 1260) was detected in one sample (S1SB-7) at a concentration of 69 μg/kg.

3.4 INORGANICS

Nineteen metals and inorganics were detected in the background soil samples. Aluminum, barium, chromium, iron, manganese, and vanadium were detected in all samples tested for those parameters. Sulfide was detected in a single sample from the IT RFI/RI investigation, which was the only background soil sample tested for that compound. Other inorganic compounds, including cobalt, nickel, and zinc, were detected in a majority of the samples, while antimony, arsenic, beryllium, mercury, selenium and tin were detected in less than half. Aluminum (4,250 mg/kg) and iron (2,260 mg/kg) exhibited the highest concentrations of the inorganics detected in soil. The maximum concentration of all other inorganics was well below 100 mg/kg. Three soil samples, BG1SS-03, BG3SS-01, and S1SB-7, most commonly exhibited the highest concentrations of inorganic compounds.

4.0 SEDIMENT CHARACTERIZATION

The background summary statistics for sediment (Table 4-1) are based on the analytical results of 13 sediment samples collected from background locations in the vicinity of NAS Key West. Of the 230 compounds tested for, 42 were detected. As with the background soil samples, the compounds detected in sediment were fairly evenly divided between the organic and inorganic fractions, although again, individual inorganic compounds had a much greater frequency of detection than the organics. Fifteen of the 19 detected inorganic compounds occurred in at least two samples, and the majority of the inorganics were detected in at least half the samples tested. Pesticides appear to be the most widespread organic background contaminants. Both the pesticide and inorganic sediment data are representative of widespread sediment background conditions in the vicinity of NAS Key West, due both to the frequency of detection and the nature of the compounds in question. Inorganics occur commonly in nature and are ubiquitous, while pesticides have a long history of use in the area around NAS Key West. Five volatile organic compounds were detected in background sediment. Although three occurred more than once, none appeared widespread. Semivolatile contamination in background sediment appears isolated. Of the seven semivolatile compounds that were detected, none was found in more than one sample. While volatile and semivolatile contamination might be a consequence of widespread fuel and solvent use in our industrialized society, the detected organics also include common laboratory and rinsate contaminants [e.g., acetone, 2-butanone, bis(2-ethylhexyl)phthalate, and methylene chloride], and might not be representative of widespread background conditions.

The following sections discuss in greater detail the results of the chemical analytical testing and the statistical analysis for background sediment samples from the vicinity of NAS Key West. The discussion of results includes VOCs, SVOCs, pesticides and PCBs, and inorganics.

4.1 VOLATILE ORGANIC COMPOUNDS

Five VOCs were detected in the sediment background data set. None was detected in more than three samples. Acetone (a common laboratory contaminant) had three detections and a maximum concentration of 120 μg/kg. Methylene chloride (another common laboratory contaminant) was detected in two samples with a maximum concentration of 20 μg/kg. 2-butanone was detected at 4 μg/kg in S4BG-1, the sample which also exhibited the maximum concentrations of acetone and methylene

TABLE 4-1

BACKGROUND SUMMARY STATISTICS FOR SEDIMENT
NAS KEY WEST, FLORIDA
PAGE 1 OF 2

Chemical	Frequency of Detection	Minimum	Maximum	Location of the Maximum	Average of All Values	Standard Deviation of All Values	UNITS
Inorganics							
Aluminum	12/12	97.70	3,350.00	BG1SD-01	1,331.89	1,151.49	mg/kg
Arsenic	8/12	1.50	7.00	B7SS-2	2.63	1.67	mg/kg
Barium	13/13	5.00	15.20	BG2SD-01	9.27	3.38	mg/kg
Beryllium	1/13	0.12	0.12	S1SS-7SD	0.06	0.06	mg/kg
Cadmium	3/13	0.06	0.90	BG1SD-01	0.22	0.29	mg/kg
Chromium	8/13	2.10	11.70	BG1SD-01	5.01	3.59	mg/kg
Cobalt	2/13	0.12	0.56	BG1SD-01	0.47	0.82	mg/kg
Copper	13/13	0.76	34.60	BG1SD-01	8.88	8.85	mg/kg
Iron	12/12	109.00	3,640.00	B6SS	1,199.00	1,077.76	mg/kg
Lead	12/13	5.50	56.50	BG1SD-01	17.97	15.35	mg/kg
Manganese	12/12	4.00	38.60	S4SS-4	15.39	11.86	mg/kg
Mercury	4/13	0.04	0.07	B4SS-2	0.05	0.04	mg/kg
Nickel	10/13	0.70	5.50	BG1SD-01	2.15	1.62	mg/kg
Selenium	2/13	0.24	0.59	B8SS	0.68	0.68	mg/kg
Silver	1/13	0.50	0.50	B7SS-1	0.27	0.20	mg/kg
Sulfide	1/1	340.00	340.00	S4BG-1	340.00		mg/kg
Tin	1/2	0.99	0.99	S1SS-7SD	2.85	2.62	mg/kg
Vanadium	13/13	1.60	11.70	B6SS	5.08	2.97	mg/kg
Zinc	8/13	3.50	140.00	B6SS	25.74	39.82	mg/kg
Pesticides/PCBs							
2,4-D	1/10	24.70	24.70	B4SS-2	39.15	49.78	µg/kg
4,4'-DDD	1/12	3.90	3.90	B6SS	13.03	29.05	µg/kg
4,4'-DDE	5/12	2.20	149.00	BG2SD-01	19.85	41.97	µg/kg
4,4'-DDT	1/12	3.70	3.70	B6SS	13.02	29.06	µg/kg
Aldrin	1/12	2.40	2.40	BG1SD-01	6.51	14.45	µg/kg
alpha-BHC	3/11	1.10	1.50	B5SS-1	7.11	15.00	µg/kg
Aroclor-1260	1/15	40.80	40.80	BG1SD-01	70.57	119.00	µg/kg
gamma-BHC (lindane)	4/12	1.20	2.10	B5SS-1	6.72	14.37	µg/kg
delta-BHC	2/12	2.80	15.70	BG3SD-01	7.35	14.67	µg/kg
Endosulfan I	3/12	1.20	2.70	B6SS	6.70	14.37	µg/kg
Endrin	1/12	1.40	1.40	B8SS	12.89	29.11	µg/kg
Heptachlor	2/12	1.10	1.30	B4SS-2	6.51	14.44	µg/kg
Methoxychlor	1/12	43.80	43.80	B7SS-2	66.80	144.11	µg/kg

TABLE 4-1

BACKGROUND SUMMARY STATISTICS FOR SEDIMENT
NAS KEY WEST, FLORIDA
PAGE 2 OF 2

Chemical	Frequency of Detection	Minimum	Maximum	Location of the Maximum	Average of All Values	Standard Deviation of All Values	UNITS
Semivolatile Organic Compounds							
1,3-dichlorobenzene	1/13	5.90	5.90	B4SS-2	763.21	1,107.11	µg/kg
Benzo(b)fluoranthene	1/13	489.00	489.00	B8SS	966.92	966.30	µg/kg
Bis(2-ethylhexyl)phthalate	1/6	4,500.00	4,500.00	S4BG-1	1,992.17	1,594.71	µg/kg
Chrysene	1/13	417.00	417.00	B8SS	961.38	969.47	µg/kg
Fluoranthene	1/13	690.00	690.00	B8SS	982.38	959.60	µg/kg
Hexachlorophene	1/2	820.00	820.00	S1SS-7SD	6,660.00	8,259.01	µg/kg
Pyrene	1/13	509.00	509.00	B8SS	968.46	965.49	µg/kg
Volatile Organic Compounds							
2-butanone	1/6	4.00	4.00	S4BG-1	8.49	5.67	µg/kg
Acetone	3/6	4.00	120.00	S4BG-1	30.90	45.57	µg/kg
Methylene chloride	2/6	5.00	20.00	S4BG-1	7.50	6.47	µg/kg
Tetrachloroethene	1/6	2.00	2.00	S4SS-4	4.33	2.54	µg/kg
Toluene	2/13	3.50	16.90	B4SS-2	4.49	4.20	µg/kg

chloride. One common fuel constituent, toluene, was detected in two samples with a maximum concentration of 16.9 μg/kg. Tetrachloroethene was detected in one sample at a concentration of 2 μg/kg.

4.2 SEMIVOLATILE ORGANIC COMPOUNDS

Seven semivolatile organic compounds were detected in background sediment, although none was detected in more than one sample. With the exception of 1,3-dichlorobenzene, the same compounds were also detected in background soil. B8SS contained four of the seven semivolatiles: benzo(b)fluoranthene, chrysene, fluoranthene, and pyrene, with concentrations ranging from 690 μg/kg to 417 μg/kg. The other three detected semivolatiles were 1,3-dichlorobenzene, bis(2-ethylhexyl)phthalate and hexachlorophene. Each was detected in a separate sample at concentrations of 5.9 μg/kg, 4,500 μg/kg, and 820 μg/kg, respectively.

4.3 PESTICIDES/POLYCHLORINATED BIPHENYLS

Twelve samples were tested for pesticides and fifteen samples were tested for PCBs. Pesticides were detected in ten of the twelve samples, while two samples had no pesticide detections. The most widespread pesticide was 4,4'-DDE, detected in five of the twelve samples. Alpha-BHC, gamma-BHC (lindane), delta-BHC, endosulfan I, and heptachlor were also detected in more than one sample. The maximum concentrations of alpha-BHC and gamma-BHC, 1.5 μg/kg and 2.1 μg/kg, respectively, were detected at B5SS-01. The greatest number of pesticides detected in a single sample occurred at B6SS. Six pesticides were detected in this sample, three of them at their maximum concentration: 4,4'-DDD (3.9 μg/kg), 4,4'-DDT (3.7 μg/kg), and endosulfan I (2.7 μg/kg). Methoxychlor was detected in only one sample, B7SS-2, and was the only pesticide detected in that sample. A single herbicide, 2,4-D, was detected in one sample (B4SS-2) at a concentration of 24.7 μg/kg. The maximum concentration of heptachlor (1.30 μg/kg) was also detected at this location. A single PCB (Aroclor-1260) was detected in a single background sample (BGISD-01; 40.80 μg/kg).

4.4 INORGANICS

Nineteen inorganic compounds were detected in the background sediment samples. Aluminum, barium, copper, iron, manganese, and vanadium were detected in all samples tested. Sulfide was detected in a single sample from the IT RFI/RI investigation, which was the only background sediment sample tested for that compound. Other inorganic compounds, including arsenic, chromium, lead, nickel, and zinc, were

detected in a majority of the samples, while beryllium, cadmium, cobalt, mercury, selenium, silver, and tin were detected in less than half. Tin, beryllium, and silver were the only inorganics for which testing in multiple samples resulted in only one positive detection. Iron (3,640 mg/kg) and aluminum (3,350 mg/kg) exhibited the highest concentrations of the inorganics detected in sediment. Zinc was detected at the next highest concentration, 140 mg/kg. The maximum concentration of all other inorganics was well below 100 mg/kg. Seven of the 19 inorganic compounds were detected at maximum concentrations in a single sample (BG1SD-01).

5.0 SURFACE-WATER CHARACTERIZATION

Water quality parameters were measured at background sites and are shown in Table 5-1. Surface-water is classified as brackish at BG 1, as polyhaline at BG 6, and as euhaline at the remaining sites.

Chemical analyses were performed on background surface water samples as listed in Table 2-2. Table 5-2 lists statistics based on the chemical analytical results from these samples. Of the 237 compounds tested for in the background surface-water samples, 18 were detected. The majority of the detected compounds were inorganic. While many of the inorganics were detected in multiple surface-water samples, the frequency of detection was not as high as that observed in the solid media. Although inorganic compounds are ubiquitous in soil and sediment, they are present in surface water only due to contact with the solid media. One inorganic compound (barium) was detected in a majority of the samples tested, another 10 inorganics were detected in at least two samples, and three were detected in a single sample each. The inorganic surface-water data appear representative of widespread background conditions in the vicinity of NAS Key West. Two semivolatile organic compounds and two volatile organic compounds were detected at low concentrations. The semivolatiles appear isolated. Both volatile compounds were detected in more than one of the nine samples tested for those compounds. While volatile and semivolatile contamination might be a consequence of widespread fuel and solvent use in our industrialized society, the detected organics were consistent with the type of analyte [e.g., acetone, methylene chloride, and bis(2-ethylhexyl)phthalate] that can be associated with laboratory or rinsate contamination, and might not be representative of widespread background conditions. No pesticides or PCBs were detected in background surface water samples.

The following sections discuss in greater detail the results from surface-water quality testing and the chemical and statistical analyses of the background surface water in the vicinity of NAS Key West. The discussion of results includes water quality, VOCs, SVOCs, pesticides/PCBs, and inorganics.

5.1 WATER QUALITY

The pond (borrow pit) at BG 1 is classified as mixohaline or mixo-mesohaline (brackish), with salinities ranging from 4.3 to 6.3 parts per thousand (ppt). For comparison, the salinity of sea water is normally around 35 ppt, while the salinity of fresh water is normally less than 1.0 ppt. Conductivity measurements at this location ranged from 7.99 to 11.1 millisiemens per centimeter (mS/cm); as expected, they were

TABLE 5-1

WATER QUALITY DATA SUMMARY
NAS KEY WEST, FLORIDA

Location	Date	Temperature (°C)	Salinity (%)	pH	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
BG 1	12/14/95	21.9	0.63	NA	11.1	NA	NA
	12/14/95	22.2	0.62	NA	11.0	NA	NA
	1/26/96	22.3	0.43	6.87	7.99	4.63	27
BG 2	12/14/95	22.4	3.43	NA	52.1	NA	NA
	1/20/96	21.3	3.13	7.96	47.9	7.67	NA
	1/21/96	20.9	2.96	7.10	45.6	5.20	10
	1/26/96	25.6	3.12	7.63	47.2	6.32	NA
BG 3	12/14/95	24.3	3.51	NA	53.1	NA	NA
	1/26/96	22.4	2.92	7.47	44.5	6.23	102
BG 4	8/29/96	28.5	3.67	7.79	55.2	5.65	9
	9/16/96	29.3	NA	7.82	NA	4.42	4
BG 5	9/16/96	28.8	NA	7.69	NA	5.56	5
	9/28/96	30.1	3.46	8.13	52.4	8.87	0
BG 6	10/5/96	29.4	2.56	7.34	40.0	2.57	10
BG 7	9/27/96	33.5	3.46	7.82	53.7	8.15	6
	9/29/96	29.4	3.23	7.60	49.6	4.87	2

Note: NA - not available

TABLE 5-2

BACKGROUND SUMMARY STATISTICS FOR SURFACE WATER
NAS KEY WEST, FLORIDA

Chemical	Frequency of Detection	Minimum	Maximum	Location of the Maximum	Average of All Values	Standard Deviation of All Values	UNITS
Inorganics							
Aluminum	2/12	25.00	148.00	S1SS-7SW	24.97	39.22	
Antimony	4/12	3.50	205.00	I8SS-10(IT)	33.71	73.30	
Arsenic	3/13	2.60	5.20	S4BG-1	3.97	4.93	
Barium	11/13	4.70	16.30	S4BG-1	6.93	3.54	
Beryllium	2/13	0.17	0.26	S2SS-4SW	0.22	0.16	
Chromium	1/13	16.40	16.40	S4BG-1	2.62	4.44	
Copper	1/13	2.00	2.00	S1SS-7SW	2.26	1.69	
Iron	5/12	8.50	170.00	S1SS-7SW	24.70	48.95	
Manganese	2/12	3.20	12.30	S1SS-7SW	2.00	3.32	
Mercury	6/13	0.29	4.20	B7SW-1	0.52	1.12	
Sulfide	1/1	4,000.00	4,000.00	S4BG-1	4,000.00		
Thallium	2/13	7.40	12.00	BG2SW-01	4.73	3.78	
Vanadium	2/13	2.00	2.80	S1SS-7SW	1.99	1.84	
Zinc	5/13	1.40	39.60	I8SS-10(IT)	7.19	11.64	
Semivolatile Organic Compounds							
Bis(2-ethylhexyl)phthalate	1/9	8.00	8.00	I8SS-10(IT)	5.39	0.99	
Di-n-butyl phthalate	1/9	2.00	2.00	S1SS-7SW	4.72	1.03	
Volatile Organic Compounds							
Acetone	2/9	4.00	12.00	S1SS-7SW	4.33	3.43	
Methylene chloride	3/9	1.00	1.00	I7SS-10(IT)	1.50	0.75	
Methylene chloride	3/9	1.00	1.00	I8SS-10(IT)	1.50	0.75	
Methylene chloride	3/9	1.00	1.00	S4BG-1	1.50	0.75	

directly related to salinity with the highest conductivity (11.1 mS/cm) associated with the highest salinity. Turbidity was relatively low at this location (27 NTUs), indicating that the water is low in suspended matter (silt, fine particulate organic matter, microscopic organisms) and high in light transmissivity. Dissolved oxygen measured 4.63 mg/L at this background location on January 26, 1996, which is sufficient to support most fish and aquatic life. NAS Key West waters are classified by FDEP as "Class III Marine," and have the following minimum dissolved oxygen standards: a daily average of 5.0 mg/L dissolved oxygen and a daily minimum of 4.0 mg/L. These standards are intended to protect recreation and the propagation and maintenance of a healthy well-balanced population of fish and wildlife. Based on January 1996 fish collections, this pond supports a healthy, fairly diverse population of fish (e.g., striped mullet, yellowfin mojarra, ladyfish, and tarpon) typical of south Florida tidal creeks and mangrove swamps.

The lagoon at BG 2 is connected to the Atlantic Ocean by culverts that run under Boca Chica Road. Salinities in the lagoon ranged from 29.6 ppt to 34.3 ppt, which are typical of euhaline estuaries and coastal waters in south Florida. Conductivities were highly correlated with salinities, ranging from 45.6 to 52.1 mS/cm. Turbidity was very low at this location (10 NTUs), indicating that water clarity was high. Dissolved oxygen levels were high in January 1996, ranging from 5.20 to 7.67 mg/L, which is sufficient to support a balanced biological community of aquatic organisms. Fish species collected at this location were more typical of inshore marine waters than tidal creeks or mangrove swamps, and included pinfish, bluestriped grunt, and gray snapper.

The lagoon at BG 3 does not appear to have a direct outlet to the Gulf of Mexico but almost certainly receives water from the gulf as a result of wind-generated (storm) tides. This lagoon, like BG 2, can be classified as euhaline, with salinities ranging from 29.2 ppt to 35.1 ppt. Salinities at the high end of this range are equivalent to sea water, while those at the low end of this range suggest a barely perceptible freshwater influence. Turbidity, although somewhat higher (102 NTUs) at this location than at the other background locations, was still indicative of relatively low levels of suspended matter. The only dissolved oxygen measurement taken at this location was high (6.23 mg/L, on January 26, 1996), which is sufficient to support a balanced indigenous aquatic community. Fish collected at this location were all small, hardy schooling species such as killifish and sheepshead minnow, presumably because the lagoon is shallow (generally less than 2 feet deep) and unshaded and would be subject to high water temperatures in most months.

Water quality measurements at BG 4 were taken between the eastern tip of Dredgers Key and the small island to the south during August and September 1996. The area consists of an east-west channel, approximately 100 ft wide and 15 ft deep, bounded by shallow (1-2 ft) areas on both the north and south sides. Tidal fluctuations provide a modest current in the channel. The measurements were characteristic

of near-shore marine habitats in the Gulf of Mexico with small-to-insignificant freshwater inflows. The salinity measured at this location, 36.7 parts per thousand, is within the range of salinities (33-38 ppt) normally observed in open ocean waters (Reid 1961). Dissolved oxygen concentrations ranged from 4.42 mg/L to 5.65 mg/L, high enough to support a variety of aquatic organisms. Submerged aquatic vegetation, such as turtle grass, was abundant. Seagrasses are generally indicative of good water quality because they are associated with low turbidity (and high water clarity), low levels of nutrients (particularly those from agricultural and domestic wastes), and low levels of toxicants (Day et al. 1989). Conchs, crabs, and spiny lobster were observed at this site and were collected for analyses of contaminants in tissue. Although no fish sampling was conducted, a variety of fish species characteristic of coastal mangrove and near-shore marine habitats of the Florida Keys were observed by B&R Environmental field personnel as they sampled seagrass and shellfish.

Site BG 5, approximately 5 miles north of Key West, consists of open water in the Gulf of Mexico. Water depth is 3 to 5 feet throughout most of the vicinity, except where narrow natural channels traverse the area. Water depth in these channels is 8 to 10 ft, and the current is quite strong during tidal changes. Water quality values at this site were typical of open-water/offshore habitats in the Gulf of Mexico. The salinity, 34.6 ppt, is within the range of salinities (33-38 ppt) normally observed in open ocean waters (Reid 1961). DO concentrations were high in September 1996, ranging from 5.65 mg/L to 8.87 mg/L, sufficient to support even the most sensitive and pollution-intolerant aquatic organisms. Seagrasses, generally indicative of excellent water quality, are abundant. Fish species observed at this site were generally offshore or "reef" species, and included flyingfish (*Hirundichthys rondeleti*), barracuda (*Sphyraeana* spp.), and shark (*Carcharhinus* sp.).

Site BG-6, a borrow pit on Geiger Key with a salinity of 25.6 ppt, can be classified as mixo-polyhaline or polyhaline. The borrow pit is isolated from the Atlantic Ocean by approximately 500 feet of low-lying mangrove swamp. The surface water in the borrow pit does not have an outlet to any other body of water, but presumably receives water from the ocean during wind-generated (storm) tides. Thus salinity (and to a lesser extent dissolved oxygen) would be strongly influenced by rainfall, temperature, evaporative rates, and the frequency of storm-driven tides. The dissolved oxygen concentration at the time of sampling (October 5, 1996) was relatively low, 2.56 mg/L, but it is unknown if this value is typical or not. Because the borrow pit is small, unshaded, and subject to dramatic fluctuations in temperature and salinity, fish found here probably would be small hardy species that tolerate temperature and salinity extremes. B&R Environmental personnel observed small fish in the borrow pit while collecting water and sediment samples, but did not collect any.

Water quality measurements at Site BG-7 were typical of near-shore marine habitats in the Gulf of Mexico with small-to-insignificant freshwater inflows. Because the lagoon and mangrove swamp at BG 7 are hydrologically connected by narrow shallow channels to Cow Key Channel, water depth in the lagoon fluctuates with the tides, and salinities approximate those found in open ocean waters, ranging from 32.2 to 34.6 ppt. However, the usual water depth in most of the site is about 1 to 2 feet. Dissolved oxygen concentrations ranged from 4.87 mg/L to 8.15 mg/L, high enough to support a diverse assemblage of aquatic organisms. A number of fish species (e.g., sailfin molly and goldspotted killifish) characteristic of coastal mangrove habitats of the Florida Keys were collected at this location.

Wisteria Island (BG 8) is slightly northwest of Key West. Water depth in the vicinity where biological samples were collected is 3 to 5 feet. No water samples were collected and no water quality measurements are available from BG 8.

Like conductivity, the pH of estuarine and marine waters is strongly influenced by salinity. As salinity increases, the solubility of carbon dioxide in estuarine waters decreases, resulting in higher pH values. The pH of sea water is normally slightly basic, between 8.1 and 8.3. This salinity-to-pH relationship was evident in the water quality measurements taken at the background sites. The lowest pH value (6.9) was measured at the borrow pit on Boca Chica Key (Site BG 1), which has no direct connection to the Atlantic Ocean or the Gulf of Mexico, while the highest pH value (8.1) was measured at the only open-ocean background site (Site BG 5).

5.2 VOLATILE ORGANIC COMPOUNDS

Two VOCs, acetone and methylene chloride, were detected in the surface-water background samples. Both compounds are commonly encountered as laboratory or rinsate contaminants. The maximum concentration of acetone was 12 μg/L, only slightly above the 10 μg/L detection limit for acetone. Methylene chloride was detected at 1 μg/L in three samples. S4BG-1 was the only sample in which more than one volatile organic compound was detected, although semivolatiles were detected in two of the samples that contained volatiles.

5.3 SEMIVOLATILE ORGANIC COMPOUNDS

Di-n-butyl phthalate was detected in one of nine samples at 2 μg/L. Bis(2-ethylhexyl)phthalate was also detected in a single sample at a concentration of 8 μg/L. These compounds were detected in separate

samples, and both samples also contained methylene chloride, a volatile organic compound. The detected semivolatile organic compounds are consistent with common laboratory or rinsate contaminants.

5.4 PESTICIDES/POLYCHLORINATED BIPHENYLS

No pesticides or PCBs were detected in the background surface-water samples.

5.5 INORGANICS

Fourteen inorganic compounds were detected in the background surface-water samples. Barium was the only inorganic compound detected in a majority of the samples tested. Ten inorganic compounds (aluminum, arsenic, antimony, beryllium, iron, manganese, mercury, thallium, vanadium, and zinc) were detected in fewer than half the background surface-water samples. Sulfide was detected in a single sample from the IT RFI/RI investigation, which was the only sample tested for that compound. Two other inorganics, chromium and copper, were tested in multiple samples, but also resulted in a single positive detection. Four of the maximum inorganic concentrations (aluminum, antimony, manganese and mercury) appear to be potential outliers, based on the criteria discussed in Section 2.1. Because the samples appeared otherwise normal, they were retained in the data set. The maximum antimony concentration, 205 mg/kg, was the highest inorganic concentration detected (other than sulfide). Considering only the concentrations that did not qualify as outliers, the iron concentration of 170 mg/kg was the greatest, while all other maximum inorganic concentrations were well below 50 mg/kg. The maximum concentrations of five of the 14 inorganic compounds were detected in a single surface-water sample, S1SS-7SW. S4BG-1 and I8SS-10(IT) also contained the maximum concentration of several of the inorganics.

6.0 GROUNDWATER CHARACTERIZATION

The background summary statistics for groundwater (Table 6-1) are based on the analytical results of 13 groundwater samples collected from monitoring wells in the vicinity of NAS Key West. Of the 230 compounds tested for in the groundwater background samples, 22 were detected. As observed in the surface-water samples, the majority of these compounds were inorganics. While 10 of the inorganic compounds were detected in multiple groundwater samples, the frequency of detection was not as high as that observed in the solid media. Although inorganic compounds are ubiquitous in soil and sediment, they are present in groundwater only due to contact with the solid media. The inorganic groundwater data appears representative of widespread background conditions in the vicinity of NAS Key West. One semivolatile and six volatile organic compounds were detected in background groundwater samples. Most of these detections were isolated. Only two organic compounds were detected in more than one sample, and in both cases the compounds (2-butanone and methylene chloride) were commonly associated with laboratory or rinsate contamination. So while volatile and semivolatile contamination might be a consequence of widespread fuel and solvent use in our industrialized society, the detected compounds might not be representative of widespread background conditions.

The following sections discuss in greater detail the results of the chemical analytical testing and the statistical analysis of background groundwater samples in the vicinity of NAS Key West. The discussion of results includes VOCs, SVOCs, pesticides and PCBs and inorganics.

6.1 VOLATILE ORGANIC COMPOUNDS

Six VOCs were detected in the four groundwater background samples that were tested for those compounds. Methylene chloride was detected in two samples, as was 2-butanone, although the maximum detection of 2-butanone qualifies as an outlier based on the criteria discussed in Section 2.1. The 32-μg/L maximum concentration of 2-butanone was the highest detected concentration of any volatile organic compound in groundwater. Considering only results that did not qualify as outliers, the organic with the highest concentration was acetone at 5 μg/L. Other volatile organic compounds, detected only in isolated samples, were styrene, trans-1,2-dichloroethene, and vinyl chloride. S2MW-1 and S4MW-4 each had three detections of volatile compounds.

TABLE 6-1

BACKGROUND SUMMARY STATISTICS FOR GROUNDWATER
NAS KEY WEST, FLORIDA

Chemical	Frequency of Detection	Minimum	Maximum	Location of the Maximum	Average of All Values	Standard Deviation of All Values	UNITS
Inorganics							
Arsenic	3/13	4.10	11.90	S1MW-3	4.54	3.96	µg/L
Barium	10/13	6.40	19.45	S1MW-3	10.20	5.15	µg/L
Chromium	3/13	0.71	13.00	S4MW-1	2.51	3.52	µg/L
Copper	1/13	3.15	3.15	I1MW-7	2.45	1.63	µg/L
Cyanide	2/8	2.40	5.53	S1MW-3	1.47	1.75	µg/L
Iron	2/10	76.90	97.40	S2MW-4	41.72	43.24	µg/L
Lead	1/12	2.50	2.50	S7MW-2	1.39	0.48	µg/L
Manganese	7/10	2.20	10.30	S2MW-4	3.78	2.85	µg/L
Mercury	4/13	0.13	0.24	S5MW-4	0.10	0.07	µg/L
Selenium	1/10	3.05	3.05	I1MW-7	2.71	2.63	µg/L
Silver	1/13	3.30	3.30	S5MW-4	1.37	0.99	µg/L
Sulfide	3/3	10,000.00	52,000.00	S4MW-1	28,000.00	21,633.31	µg/L
Thallium	1/13	4.93	4.93	S1MW-3	2.24	1.08	µg/L
Vanadium	4/13	3.40	3.90	I1MW-7	2.62	1.95	µg/L
Vanadium	4/13	3.40	3.90	S5MW-4	2.62	1.95	µg/L
Zinc	3/13	3.43	15.30	S4MW-1	2.82	4.15	µg/L
Volatile Organic Compounds							
2-butanone	2/4	7.00	32.00	S2MW-1	11.63	13.71	µg/L
Acetone	1/4	5.00	5.00	S2MW-1	5.00	0.00	µg/L
Methylene chloride	2/4	1.00	1.00	S2MW-1	1.75	0.87	µg/L
Methylene chloride	2/4	1.00	1.00	S7MW-2	1.75	0.87	µg/L
Styrene	1/4	3.40	3.40	S4MW-4	2.73	0.45	µg/L
Trans-1,2-dichloroethene	1/3	1.20	1.20	S4MW-4	2.07	0.75	µg/L
Vinyl chloride	1/4	2.40	2.40	S4MW-4	4.35	1.30	µg/L

6.2 SEMIVOLATILE ORGANIC COMPOUNDS

No SVOCs were detected in the background groundwater samples.

6.3 PESTICIDES/POLYCHLORINATED BIPHENYLS

No pesticides or PCBs were detected in the background groundwater samples.

6.4 INORGANICS

Fifteen inorganic compounds were detected in the background groundwater samples. Two compounds, barium and manganese, were detected in the majority of the samples tested. Sulfide was detected in all three samples that underwent testing for that parameter, with concentrations ranging from 10,000 to 52,000 μg/L. Seven other compounds (arsenic, chromium, cyanide, iron, mercury, vanadium, and zinc) were detected in at least two samples. Copper, lead, silver, and thallium were limited to a single detection each. Three of the maximum inorganic detections (arsenic, manganese, and zinc) appear to be outliers, based on the criteria discussed in Section 2.1. These were isolated occurrences and, therefore, the samples were retained in the data set. The maximum observed inorganic concentration (excluding sulfide) was attributed to iron (97.4 μg/L) at S2MW-4, followed by barium (19.45 μg/L) at S1MW-3. All other inorganic concentrations were well below 20 μg/L.

7.0 TISSUE CHARACTERIZATION

Biological samples (fish, crustaceans, mollusks, and vegetation) were collected from three background sites during January 1996 and from five background sites from August to October 1996. One hundred forty-two samples of 25 species were collected for laboratory analyses (Table 7-1). This section discusses detected analytes in relation to each analyte's typical background tissue concentration (as presented in published studies) and the threshold at which it is toxic to the organism and to fish and wildlife consumers of that organism. Overall, the tissue concentrations at the eight background sites show little evidence of contamination problems, and the data indicate that tissues collected from these sites provide a data set that is indicative of background conditions at NAS Key West.

Unfortunately, tissue toxicity data for some chemicals are scarce. In addition, there are no uniformly acceptable standards for tissue concentrations that are protective of fish, other aquatic organisms, and predators. Rather, there is a jumble of action and alert levels that have been proposed by various organizations and individuals. This lack of uniform tissue criteria is in contrast to the criteria and standards established for groundwater, surface water, sediment, and soil. Thus, this discussion of tissue concentrations in background samples differs from the discussions of nonbiotic media in Sections 3.0 to 6.0.

Minnow-sized fish (sheepshead minnow, goldspotted killifish, sailfin molly, crested goby, and *Fundulus* spp) were collected in minnow traps and beach seines. Larger fish (striped mullet, ladyfish, yellowfin mojarra, gray snapper, pinfish, bluestriped grunt, and sea robin) were collected in gill nets. Crustaceans included crabs and Florida spiny lobsters. Crabs (stone crab, spiny spider crab, and red hermit crab) were collected by hand nets and baited crab traps. Lobsters were collected by hand nets and baited lobster traps. Mollusks were collected by hand and consisted of four species of gastropods: milk conch, Florida horse conch, Caribbean vase conch, and true tulip snails. These species are discussed under the generic term conch. Vegetation samples were collected by hand and consisted of one aquatic and three terrestrial species. Turtle grass was collected from nearshore areas at three background sites. Terrestrial vegetation species (sea oxeye daisy, seashore dropseed, and red mangrove) were chosen because they are known to be consumed by the endangered Lower Keys marsh rabbit.

TABLE 7-1

NUMBER OF PLANT AND ANIMAL SAMPLES COLLECTED FOR CHEMICAL ANALYSES FROM BACKGROUND SITES

Species	BG1	BG2	BG3	BG4	BG5	BG6	BG7	BG8
Spiny lobster *(Panulirus argus)*				1	16			2
Stone crab *(Menippe mercenaria)*				10				
Spiny spider crab *(Mithrax spinosissimus)*				1	2			1
Red hermit crab *(Petrochirus diogenes)*								1
Milk conch *(Strombus costatus)*				1	1			
Florida horse conch (Pleuroploca gigantea					1			1
Caribbean vase conch *(Vasum muricatum)*				5				
True tulip snail *(Fasciolaria tulipa)*								4
Sheepshead minnow *(Cyprinodon variegatus)*	1		5				5	
Killifish *(Fundulus spp)*			12				7	
Goldspotted killifish *(Floridicthys carpio)*							5	
Sailfin molly *(Poecilia latipinna)*	10	1	1				7	
Crested goby *(Lophogobius cyprinoides)*	4							
Striped mullet *(Mugil cephalus)*	2							
Ladyfish *(Elops saurus)*	5							
Yellowfin mojarra *(Gerres cinereus)*	3							
Pinfish *(Lagodon rhomboides)*		4						
Gray snapper *(Lutjanus griseus)*		3						
Bluestriped grunt *(Haemulon sciurus)*		1						
Sea robin *(Prionotus sp.)*		1						
Mangrove oyster *(Isognomon alatus)*			3					
Turtle grass *(Thalassia testudinum)*				3	2			4
Sea oxeye daisy *(Borrichia frutescens)*						1	1	
Seashore dropseed *(Sporobolus virginicus and S. soartinae)*						1	1	
Red mangrove *(Rhizophora mangle)*						1	1	
Total number of samples analyzed	25	10	21	21	22	3	27	13

Three mangrove oyster samples were collected from BG 3 in January 1996. Mangrove oysters were not observed at the sites sampled from August to October 1996, and they are not discussed further in this report. Tissue concentrations of analytes detected in these mangrove oyster samples are provided in Appendix J of the RFI/RI report for the High Priority Sites (B&R Environmental 1997).

Individual lengths and weights of crabs, lobsters, conchs, and gill-netted fish were measured. Individual lengths and weights of minnow-sized fish were not determined. Rather, lengths of the smallest and largest fish in each minnow sample were measured and the minnows were pooled by species to create samples of at least 30 grams each. Vegetation samples consisted of approximately 150 grams each. Lengths and weights of fish, crabs, lobsters, and conchs are provided in the RI/RFI report.

Chemical analyses were performed on whole-body samples of fish and crabs. Analyses were performed on soft tissue (muscle and viscera) of lobsters and conchs. The soft tissues were removed from these organisms at the testing laboratory. Tables 7-2 through 7-7 list concentrations of chemicals detected in tissue samples at background sites by type (crab, lobster, fish, conch, aquatic vegetation, and terrestrial vegetation, respectively). These tables provide a quick overview of the extent of detected chemicals in background samples. Attachment A provides individual sample results. The RFI/RI report will provide background summary statistics by species for those species that were also collected at any of the eight contaminated sites. All background tissue samples collected during January 1996 were analyzed for metals, pesticides/PCBs, volatiles, and semivolatiles. Tissue samples collected from August to October 1996 were analyzed for metals and pesticides/PCBs.

Values in fish and seafood have been established for the protection of human health (Attachment B). These protection criteria often vary greatly among agencies. A discussion of analytes detected in seafood in relation to these protection criteria is beyond the scope of this report. However, the human health risk assessment in the RFI/RI report discusses human health risks from seafood consumption. All tissue concentrations in this study (and in most literature sources) are wet weight [also known as fresh weight (FW)] values. However, some studies provided only dry weight values. In this section, all dry weight values have been converted to wet weight values in order to provide a direct comparison to values detected in this study. When dry weight (DW) values in fish, crabs, conchs, or lobsters are cited, the converted wet weight value is provided in parentheses, and assumes a 75-percent moisture content. Most fish consist of approximately 75 percent water (Lemly 1996); and the use of this value will provide an approximate wet weight value for other aquatic animal organisms. When dry weight values in plants are cited, an estimated wet weight value is provided assuming a 50 percent moisture content.

TABLE 7-2

BACKGROUND SUMMARY STATISTICS FOR CRAB
NAS KEY WEST, FLORIDA
PAGE 1 OF 1

Chemical	Frequency of Detection	Minimum	Maximum	Location of the Maximum	Average of All Values	Standard Deviation of All Values	UNITS
Inorganics							
Arsenic	14/15	4.10	31.00	B4C-11	15.14	9.53	mg/kg
Barium	7/15	1.10	3.50	B4C-10	1.13	1.04	mg/kg
Beryllium	4/15	0.08	0.17	B4C-10	0.05	0.05	mg/kg
Cadmium	7/15	0.80	2.50	B5C-27	0.77	0.74	mg/kg
Copper	14/15	5.50	60.50	B4C-9	20.38	14.56	mg/kg
Iron	7/15	22.20	56.50	B8C-7	23.48	18.79	mg/kg
Lead	5/15	0.37	0.60	B4C-9	0.27	0.16	mg/kg
Manganese	12/15	0.36	3.60	B4C-12	1.30	0.88	mg/kg
Mercury	7/15	0.04	0.17	B4C-2	0.06	0.06	mg/kg
Silver	5/15	0.27	0.92	B4C-9	0.27	0.21	mg/kg
Vanadium	1/15	0.61	0.61	B4C-1	0.36	0.19	mg/kg
Zinc	15/15	8.50	58.00	B4C-2	33.87	19.17	mg/kg
Pesticides/PCBs							
4,4'-DDD	10/15	0.41	1.60	B4C-2	1.14	0.49	µg/kg
4,4'-DDE	5/15	0.37	1.90	B4C-9	1.37	0.54	µg/kg
4,4'-DDT	5/15	0.48	1.60	B8C-2	1.37	0.47	µg/kg
Aldrin	9/15	0.13	3.40	B4C-4	0.76	0.78	µg/kg
Aroclor-1260	1/15	280.00	280.00	B4C-6	34.07	68.04	µg/kg
beta-BHC	1/15	0.56	0.56	B4C-3	0.83	0.07	µg/kg
gamma-BHC (lindane)	2/15	0.69	4.30	B4C-4	1.07	0.89	µg/kg
Chlorobenzilate	8/15	4.40	140.00	B4C-5	23.49	35.09	µg/kg
delta-BHC	2/15	0.27	0.35	B5C-27	0.78	0.19	µg/kg
Dieldrin	9/15	0.38	2.30	B4C-4	1.24	0.54	µg/kg
Endosulfan I	1/15	0.40	0.40	B4C-2	0.82	0.12	µg/kg
Endosulfan II	6/15	0.14	2.60	B4C-2	1.29	0.71	µg/kg
Endosulfan sulfate	1/15	1.10	1.10	B4C-2	1.61	0.14	µg/kg
Endrin	11/15	0.22	2.70	B4C-9	1.07	0.72	µg/kg
Endrin aldehyde	13/15	0.34	2.80	B4C-9	1.68	0.62	µg/kg
Heptachlor	5/15	0.05	0.52	B4C-11	0.66	0.29	µg/kg
Heptachlor epoxide	3/15	0.37	8.20	B4C-4	1.28	1.92	µg/kg
Isodrin	2/15	0.51	0.57	B4C-2	1.50	0.39	µg/kg
Methoxychlor	2/15	5.00	11.00	B4C-4	8.43	1.15	µg/kg

TABLE 7-3

BACKGROUND SUMMARY STATISTICS FOR LOBSTER
NAS KEY WEST, FLORIDA
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Chemical	Frequency of Detection	Minimum	Maximum	Location of the Maximum	Average of All Values	Standard Deviation of All Values	UNITS
Inorganics							
Arsenic	19/19	4.70	20.70	B4L-8	13.43	4.00	mg/kg
Barium	4/19	1.10	1.60	B5L-17	0.52	0.42	mg/kg
Beryllium	2/19	0.04	0.08	B5L-17	0.02	0.01	mg/kg
Cadmium	12/19	0.65	1.50	B5L-16	0.66	0.41	mg/kg
Copper	19/19	14.20	37.10	B5L-19	26.18	5.88	mg/kg
Lead	3/19	0.58	0.78	B8L-1	0.26	0.19	mg/kg
Manganese	5/19	1.30	1.70	B5L-10	0.65	0.57	mg/kg
Manganese	5/19	1.30	1.70	B5L-16	0.65	0.57	mg/kg
Mercury	5/19	0.02	0.08	B4L-8	0.02	0.02	mg/kg
Silver	5/19	0.26	0.45	B5L-10	0.19	0.10	mg/kg
Zinc	19/19	12.50	25.80	B4L-8	20.51	3.73	mg/kg
Pesticides/PCBs							
4,4'-DDD	4/19	0.72	0.86	B5L-20	1.46	0.37	µg/kg
4,4'-DDE	1/19	0.31	0.31	B8L-8	1.58	0.31	µg/kg
Aldrin	5/19	0.08	0.21	B5L-17	0.66	0.33	µg/kg
beta-BHC	3/19	0.11	0.20	B5L-20	0.74	0.26	µg/kg
gamma-BHC (lindane)	3/19	0.03	0.14	B5L-20	0.73	0.29	µg/kg
Dieldrin	1/19	0.56	0.56	B5L-22	1.59	0.25	µg/kg
Endosulfan II	8/19	0.12	0.67	B5L-12	1.08	0.69	µg/kg
Endrin	9/19	0.06	0.56	B5L-19	0.98	0.74	µg/kg
Endrin aldehyde	5/19	0.65	3.10	B5L-12	1.54	0.53	µg/kg
Heptachlor	10/19	0.07	0.33	B5L-20	0.50	0.35	µg/kg
Methoxychlor	1/19	1.30	1.30	B8L-8	8.12	1.65	µg/kg

TABLE 7-4

BACKGROUND SUMMARY STATISTICS FOR FISH
NAS KEY WEST, FLORIDA
PAGE 1 OF 2

Chemical	Frequency of Detection	Minimum	Maximum	Location of the Maximum	Average of All Values	Standard Deviation of All Values	UNITS
Inorganics							
Aluminum	6/24	10.40	37.70	B7F-26	8.84	7.81	mg/kg
Antimony	4/77	1.10	1.20	B7F-1	1.87	0.84	mg/kg
Antimony	4/77	1.10	1.20	B7F-22	1.87	0.84	mg/kg
Arsenic	35/77	0.29	8.30	BG3F-11	1.87	2.19	mg/kg
Barium	42/77	0.55	9.90	B7F-29	1.92	2.24	mg/kg
Chromium	2/77	1.00	3.10	BG1F-27	0.43	0.35	mg/kg
Cobalt	1/77	0.39	0.39	B7F-20	0.35	0.20	mg/kg
Copper	59/77	0.50	22.80	BG3F-10	3.66	4.03	mg/kg
Iron	10/24	15.60	49.80	B7F-1	16.95	12.49	mg/kg
Lead	41/77	0.14	11.90	BG3F-09	1.15	2.44	mg/kg
Manganese	1/24	16.20	16.20	B7F-29	1.38	3.16	mg/kg
Mercury	28/77	0.01	0.12	BG2F-01	0.02	0.02	mg/kg
Nickel	3/77	0.46	12.40	BG1F-13	0.73	1.40	mg/kg
Selenium	42/77	0.24	1.20	BG1F-10	0.40	0.19	mg/kg
Silver	1/77	0.20	0.20	B7F-20	0.19	0.07	mg/kg
Zinc	75/77	5.00	248.00	BG1F-10	38.75	34.28	mg/kg
Pesticides/PCBs							
4,4'-DDD	58/77	0.25	16.60	BG3F-16	3.31	4.07	µg/kg
4,4'-DDE	74/77	2.20	282.00	BG1F-02	35.15	43.54	µg/kg
4,4'-DDT	4/77	0.63	2.50	BG3F-06	0.89	0.56	µg/kg
Aldrin	5/77	0.28	2.00	B7F-30	0.65	0.27	µg/kg
Aroclor-1248	17/77	25.00	630.00	B7F-31	58.26	111.68	µg/kg
Aroclor-1260	48/77	16.00	294.00	BG1F-02	54.29	54.28	µg/kg
beta-BHC	13/77	1.30	6.30	BG1F-01	1.18	1.37	µg/kg
Chlorobenzilate	3/75	73.00	190.00	B7F-29	440.16	517.06	µg/kg
delta-BHC	13/77	0.08	1.00	B7F-19	0.56	0.18	µg/kg
Dieldrin	11/77	0.34	4.90	BG1F-15	0.97	0.77	µg/kg
Endosulfan I	6/77	0.66	2.60	B7F-30	0.67	0.33	µg/kg
Endosulfan II	1/77	1.90	1.90	BG3F-03	0.89	0.54	µg/kg
Endosulfan sulfate	3/77	1.60	9.80	B7F-32	1.10	1.52	µg/kg
Endosulfan sulfate	3/77	1.60	9.80	B7F-33	1.10	1.52	µg/kg
Endrin	2/77	1.00	1.10	B7F-33	0.86	0.52	µg/kg
Endrin aldehyde	3/77	3.40	5.40	B7F-32	0.99	0.91	µg/kg

TABLE 7-4

BACKGROUND SUMMARY STATISTICS FOR FISH
NAS KEY WEST, FLORIDA
PAGE 2 OF 2

Chemical	Frequency of Detection	Minimum	Maximum	Location of the Maximum	Average of All Values	Standard Deviation of All Values	UNITS
Heptachlor epoxide	8/77	1.00	10.00	B7F-31	0.89	1.27	µg/kg
Methoxychlor	1/77	1.90	1.90	B7F-16	2.93	3.68	µg/kg
Semivolatile Organic Compounds							
Bis(2-ethylhexyl)phthalate	5/53	1,600.00	13,000.00	BG3F-04	1,101.60	2,457.76	µg/kg
Phenol	4/53	1,400.00	10,000.00	BG3F-12	858.68	1,394.62	µg/kg
Pyridine	4/53	3,000.00	4,600.00	BG1F-14	816.79	976.61	µg/kg

TABLE 7-5

BACKGROUND SUMMARY STATISTICS FOR CONCH
NAS KEY WEST, FLORIDA
PAGE 1 OF 1

Chemical	Frequency of Detection	Minimum	Maximum	Location of the Maximum	Average of All Values	Standard Deviation of All Values	UNITS
Inorganics							
Aluminum	2/13	1.70	26.60	B8CH-6	3.92	7.04	mg/kg
Arsenic	13/13	3.50	137.00	B8CH-6	53.26	38.57	mg/kg
Cadmium	7/13	0.22	5.90	B8T-5	1.44	1.96	mg/kg
Copper	13/13	9.00	91.10	B8T-5	32.78	32.14	mg/kg
Iron	4/13	36.30	103.00	B8T-3	27.01	34.43	mg/kg
Lead	3/13	0.35	0.44	B8T-5	0.22	0.11	mg/kg
Manganese	10/13	1.60	5.10	B8T-4	2.56	1.59	mg/kg
Mercury	6/13	0.02	0.14	B8T-3	0.04	0.04	mg/kg
Nickel	1/13	0.72	0.72	B4CH-COMP 1	0.33	0.15	mg/kg
Selenium	1/13	2.40	2.40	B4CH-22	0.65	0.53	mg/kg
Silver	5/13	0.40	4.30	B4CH-22	0.63	1.15	mg/kg
Vanadium	3/13	0.58	98.30	B4CH-22	8.06	27.13	mg/kg
Zinc	13/13	12.80	477.00	B4CH-22	69.06	134.52	mg/kg
Pesticides/PCBs							
4,4'-DDD	5/13	0.12	0.75	B8T-5	1.36	0.97	µg/kg
4,4'-DDT	4/13	0.11	1.70	B4CH-16	1.55	0.89	µg/kg
Aldrin	4/13	0.09	0.26	B4CH-16	0.64	0.33	µg/kg
beta-BHC	4/13	0.38	0.98	B4CH-23	0.80	0.15	µg/kg
gamma-BHC (lindane)	2/13	0.20	0.25	B4CH-16	0.81	0.33	µg/kg
Chlorobenzilate	2/13	11.00	54.00	B4CH-16	12.77	12.57	µg/kg
Dieldrin	1/13	0.58	0.58	B4CH-16	1.78	0.63	µg/kg
Endosulfan I	3/13	0.16	0.33	B4CH-16	0.77	0.36	µg/kg
Endosulfan II	5/13	0.16	0.94	B4CH-22	1.21	0.69	µg/kg
Endrin	5/13	0.08	0.30	B8T-5	1.24	0.95	µg/kg
Endrin aldehyde	7/13	0.26	2.00	B8T-4	1.28	0.64	µg/kg
Heptachlor	2/13	0.14	0.23	B4CH-22	0.82	0.35	µg/kg
Methoxychlor	3/13	0.89	2.60	B4CH-22	7.09	3.25	µg/kg

TABLE 7-6

BACKGROUND SUMMARY STATISTICS FOR AQUATIC VEGETATION (TURTLE GRASS)
NAS KEY WEST, FLORIDA
PAGE 1 OF 1

Chemical	Frequency of Detection	Minimum	Maximum	Location of the Maximum	Average of All Values	Standard Deviation of All Values	UNITS
Inorganics							
Aluminum	8/9	12.20	36.50	B8V-12	18.94	9.58	mg/kg
Arsenic	3/9	0.51	1.30	B4V-13	0.73	0.28	mg/kg
Cadmium	2/9	0.11	0.12	B8V-10	0.13	0.10	mg/kg
Copper	1/9	2.40	2.40	B8V-10	0.68	0.71	mg/kg
Iron	6/9	26.90	90.20	B8V-10	35.74	25.92	mg/kg
Lead	3/9	0.43	0.93	B8V-13	0.38	0.28	mg/kg
Manganese	9/9	3.20	15.90	B4V-14	9.34	4.34	mg/kg
Mercury	2/9	0.01	0.02	B4V-13	0.01	0.00	mg/kg
Nickel	1/9	26.10	26.10	B8V-13	3.15	8.61	mg/kg
Silver	1/9	0.29	0.29	B5V-29	0.11	0.07	mg/kg
Zinc	9/9	1.10	14.60	B8V-10	7.34	3.91	mg/kg
Pesticides/PCBs							
4,4'-DDD	2/9	0.21	0.79	B8V-13	1.39	0.53	µg/kg
4,4'-DDE	2/9	0.52	0.70	B4V-13	1.42	0.46	µg/kg
Aldrin	1/9	0.48	0.48	B4V-13	0.81	0.12	µg/kg
alpha-BHC	2/9	0.50	0.55	B5V-29	0.78	0.14	µg/kg
beta-BHC	2/9	0.55	1.10	B5V-29	0.84	0.14	µg/kg
gamma-BHC (lindane)	7/9	0.13	0.64	B8V-11	0.46	0.28	µg/kg
delta-BHC	1/9	0.68	0.68	B8V-13	0.83	0.06	µg/kg
Dieldrin	1/9	0.25	0.25	B8V-11	1.49	0.47	µg/kg
Endosulfan I	1/9	0.20	0.20	B8V-11	0.78	0.22	µg/kg
Endosulfan II	1/9	0.50	0.50	B4V-13	1.52	0.38	µg/kg
Endrin	1/9	0.10	0.10	B4V-14	1.48	0.52	µg/kg
Endrin aldehyde	5/9	3.30	18.00	B4V-14	6.28	6.07	µg/kg

TABLE 7-7

BACKGROUND SUMMARY STATISTICS FOR TERRESTRIAL VEGETATION
NAS KEY WEST, FLORIDA
PAGE 1 OF 1

Chemical	Frequency of Detection	Minimum	Maximum	Location of the Maximum	Average of All Values	Standard Deviation of All Values	UNITS
Inorganics							
Barium	1/6	3.50	3.50	B7V-36	0.69	1.39	mg/kg
Manganese	4/6	3.60	6.70	B6V-3	3.63	2.56	mg/kg
Mercury	6/6	0.01	0.02	B6V-3	0.01	0.01	mg/kg
Mercury	6/6	0.01	0.02	B7V-36	0.01	0.01	mg/kg
Nickel	1/6	1.10	1.10	B6V-2	0.48	0.30	mg/kg
Zinc	2/6	12.80	55.50	B7V-36	12.42	21.59	mg/kg
Pesticides/PCBs							
4,4'-DDD	1/6	1.10	1.10	B6V-3	1.54	0.22	µg/kg
4,4'-DDT	1/6	0.20	0.20	B7V-36	1.38	0.58	µg/kg
Aldrin	1/6	0.23	0.23	B6V-3	0.75	0.25	µg/kg
alpha-BHC	1/6	0.58	0.58	B7V-35	0.81	0.11	µg/kg
beta-BHC	3/6	0.23	0.80	B7V-37	0.72	0.24	µg/kg
gamma-BHC (lindane)	2/6	0.05	0.21	B6V-3	0.61	0.38	µg/kg
delta-BHC	1/6	0.21	0.21	B6V-1	0.74	0.26	µg/kg
Dieldrin	2/6	0.28	0.43	B6V-3	1.20	0.66	µg/kg
Endosulfan I	2/6	0.13	0.24	B6V-3	0.63	0.35	µg/kg
Endosulfan II	1/6	0.34	0.34	B6V-2	1.41	0.52	µg/kg
Endrin	3/6	0.16	0.38	B6V-1	0.95	0.76	µg/kg
Endrin aldehyde	6/6	0.26	1.20	B6V-1	0.75	0.40	µg/kg
Endrin aldehyde	6/6	0.26	1.20	B6V-3	0.75	0.40	µg/kg
Heptachlor	1/6	0.29	0.29	B7V-35	0.76	0.23	µg/kg

7.1 VOLATILE ORGANIC COMPOUNDS

No volatile organic compounds were detected in any of the 56 fish and oyster samples collected from background sites in January 1996. Based on these results (and because no volatile compounds were detected in any of the 60 fish and oyster samples collected from SWMU sites in January 1996), analyses were not conducted for volatile compounds on samples collected from August to October 1996.

7.2 SEMIVOLATILE ORGANIC COMPOUNDS

Semivolatile compounds detected in tissue from background sites during January 1996 were limited to bis(2-ethylhexyl)phthalate in 5 of 53 fish, phenol in 4 of 53 fish, and pyridine in 4 of 53 fish and 3 of 3 oyster samples. Because of the low frequency of detection at background sites (and because no semivolatile compounds were detected in any of the 60 fish and oyster samples collected from SWMU sites in January 1996), analyses of semivolatile compounds was not conducted on background tissue collected from August to October 1996. The low frequency of detection of semivolatile compounds in fish tissue indicates little evidence of contamination problems, and the data set is indicative of background conditions at NAS Key West.

Bis(2-ethylhexyl)phthalate

Phthalates, or phthalate esters such as bis(2-ethylhexyl)phthalate, represent a large family of chemicals widely used as plasticizers. The toxicity of phthalates to aquatic species varies widely (EPA 1980a).

Bis(2-ethylhexyl)phthalate was detected in 5 of 53 fish samples at background sites -- in two samples from BG 3 and three samples from BG 2. Detected values ranged from 1,600 to 13,000 μg/kg.

Phenol

Phenol is used as an intermediate in a wide variety of chemical processes including the production of epoxy and phenolic resins, pharmaceuticals, pesticides, dyes, and industrially important acids. Information on the chronic toxicity of phenol to aquatic organisms is sparse, but tests indicate that it is not likely to bioconcentrate or biomagnify (EPA 1980b).

Phenol was detected in 4 of 18 gulf killifish samples from BG 3, and was not detected in fish samples at any other background site. The maximum concentration (10,000 μg/kg) occurred in sample BG3F-12; this

sample also contained the highest concentration of aroclor-1260 of any other BG 3 sample, and was the only sample at BG 3 in which pyridine was detected.

Pyridine

Pyridine is used in a variety of chemical processes including the manufacture of waterproofing and rubber chemicals, and in the synthesis of vitamins and drugs (Verschueren 1983).

Pyridine was detected in three fish samples from BG 1 and in one fish sample from BG 3. As mentioned above, the single BG 3 sample in which this compound was detected also contained measurable concentrations of phenol and aroclor-1260. Detected values of pyridine ranged from 3,000 to 4,600 µg/kg.

7.3 PESTICIDES/POLYCHLORINATED BIPHENYLS

Several organochlorine pesticides and two PCB compounds were detected in background tissue samples. These compounds were once widely used and are known to remain in the environment for extremely long periods. The degree to which the tissue concentrations of these pesticides and PCBs are the results of local activities or other sources (e.g., atmospheric transport) is unknown. However, with very few exceptions, most concentrations of these compounds were within the range of published normal background tissue concentrations. The overall low concentrations indicate that tissue toxicity due to these compounds is not a concern at background sites, and the data set is indicative of background conditions at NAS Key West.

Aroclor

Aroclor-1248 and aroclor-1260 are two of 209 PCB congeners. Although their production and use were banned in the United States in 1979, PCBs are extremely persistent in the environment and are known to bioaccumulate and biomagnify in the foodchain. PCBs in fish collected nationwide contained the following mean values: 892 µg/kg (1970-1976), 880 µg/kg (1976-1977), 850 µg/kg (1978-1979), and 530 µg/kg (1980-1981) (ATSDR 1995). The EPA Environmental Monitoring and Assessment Program (EMAP) reported a range of maximum concentrations for total PCBs of 72.1 to 1,150 µg/kg in a study of eight fish species collected in coastal areas from Massachusetts to Virginia (EPA 1991). Other statistics (mean values, etc.) were not provided in the EMAP report. Mean values for total PCBs in bivalves collected from 145 U.S coastal sites by the National Oceanic and Atmospheric Administration's National Status and Trends Program (NOAA 1987) ranged from 10 to 6,808 µg/kg DW (2.5 to 1,702 µg/kg FW). All NOAA

values in this report are mean concentrations in bivalves at sites of highest and lowest tissue concentrations. Bivalves included mussels (*Mytilus edulis* and *M. califorianus*) and oysters (*Crassostrea virginica*). Steimle et al. (1990) reported PCB values of 40-90 µg/kg in fish from the relatively uncontaminated areas of the northwestern Atlantic Ocean. Newell et al. (1987) considered 130 µg/kg total PCBs as a noncarcinogenic-based wildlife criterion, and 110 µg/kg total PCBs as a 1-in-100 cancer risk level for piscivorous wildlife. Eisler (1986a) recommended 400 µg/kg total PCBs as a protection criterion for fish, and 3,000 µg/kg in tissue consumed by birds as a protection criterion. The International Joint Commission (1988) recommended 100 µg/kg total PCBs as a whole-body maximum fish residue to protect birds and mammals that consume fish.

Aroclor-1260 was detected in 48 of 77 fish, with concentrations ranging from 16 to 294 µg/kg, and in 1 of 15 crab samples (280 µg/kg). Concentrations of aroclor-1260 tended to be highest in the larger (piscivorous) fish, and lowest in minnows (most of which feed on algae and small invertebrates), as expected for contaminants that biomagnify in the food chain. Aroclor-1260 concentrations exceeded 100 µg/kg in 12 fish samples. Aroclor-1248 was detected in 17 of 77 fish samples (exceeding 100 µg/kg in 14 samples), and was not detected in other tissues. Although a few fish exceeded the lowest protective criterion, no concentrations exceeded mean values reported in nationwide samples.

Aldrin, Dieldrin, and Isodrin

Aldrin and dieldrin have been among the most widely used and distributed organochlorine insecticides in the United States. Once released to the environment, aldrin readily transforms into dieldrin (EPA 1980c). As a result of the relatively long half-life of dieldrin, it continues to be detected nationwide, even though most uses of aldrin and dieldrin have been banned since 1974, and production was terminated in 1987 (EPA 1994). Isodrin is an isomer of aldrin (Verschueren 1983). Maximum EMAP concentrations in eight fish species ranged from nondetected to 0.15 µg/kg for aldrin, and 2.85 to 52.8 µg/kg for dieldrin (EPA 1991). Using conservative assumptions for various uncertainty factors, Newell et al. (1987) selected 120 µg/kg as a noncarcinogenic-based wildlife criterion for aldrin and dieldrin, and 22 µg/kg as a 1-in-100 cancer risk level for piscivorous wildlife.

Aldrin and dieldrin were detected in most crabs, and were detected infrequently in other tissue samples. The maximum concentration of aldrin was 3.4 µg/kg in a crab from BG 4. The maximum concentration of dieldrin was 4.9 µg/kg in a fish from BG 1. Isodrin was detected in 2 stone crabs (0.51 and 0.57 µg/kg) from BG 4; the 0.51 mg/kg value was measured in the same crab (B4C-4) in which the highest aldrin value was recorded. All values were well below levels considered to be hazardous to wildlife.

Benzene hexachloride

Benzene hexachloride (BHC), also known as hexachlorocyclohexane, is an organochlorine insecticide consisting of eight stereoisomers. Maximum EMAP concentrations of BHC in eight fish species ranged from 0.10 to 1.68 µg/kg (EPA 1991). Newell et al. (1987) selected 100 µg/kg total BHC as a noncarcinogenic-based wildlife criterion, and 510 µg/kg total BHC as a 1 in 100 cancer risk level for piscivorous wildlife.

At least one of the alpha, beta, gamma, or delta isomers of BHC was detected in each tissue type, but the frequency of detection was low. The highest frequency of detection was in fish, in which the beta and delta isomers were detected in 13 of 77 samples. Most detected concentrations were less than 1 µg/kg, except for beta-BHC in fish, where detected values ranged from 1.3 to 6.3 µg/kg. All values were well below levels considered to be toxic to piscivorous wildlife.

Chlorobenzilate

Chlorobenzilate, an organochlorine pesticide, was detected in 3 of 75 fish (all from BG 7), 2 of 13 conchs (both from BG 4), and 8 of 15 crabs (7 of 8 from BG 4). The range of detected values was 73 to 190 µg/kg in fish, 11 to 54 µg/kg in conchs, and 4.4 to 140 µg/kg in crabs. Eleven of the 13 detected concentrations were estimated values (J qualifier), approximately half of which were at or near the detection limit. Although a few of the detected values were high in relation to other pesticides (and were exceeded only by DDE), detections of this compound were uncommon in organisms at the background sites, with the exception of BG 4.

DDT, DDD, and DDE

The organochlorine insecticide DDT has not been marketed in the United States since 1972, but is ubiquitous in the environment due to its widespread use in previous decades and its relatively long half-life. DDT's close structural analogs, DDE and DDD, are metabolites of DDT (Hayes 1982). DDT and its metabolites are concentrated from water by aquatic organisms at all trophic levels, and are biomagnified by organisms at higher trophic levels (EPA 1980d). Maximum EMAP concentrations of total DDTs (DDT, DDD, DDE) in eight fish species ranged from 12.9 to 1,290 µg/kg (EPA 1991). Mean concentrations of total DDTs in bivalves collected from U.S. coastal sites ranged from 2.8 to 1,109 µg/kg DW (0.7 to

277 µg/kg FW) (NOAA 1987). Newell et al. (1987) concluded that 200 µg/kg represents a safe fish flesh criterion for the protection of sensitive wildlife species.

DDD and DDE were detected in most fish, while DDT was detected in four fish samples. The maximum DDD concentration was 16.6 µg/kg in a fish sample from BG 3. DDE exceeded 100 µg/kg in four fish samples, and only one sample of DDT, DDD, or DDD exceeded the protective threshold (Newell et al. 1987) of 200 µg/kg; DDE was detected at 282 µg/kg in a yellow-fin mojarra from BG 1. DDT, DDD, and DDE were infrequently detected in crab, lobster, conch, and vegetation samples, and all detected values in these organisms were less than 2 µg/kg.

Endosulfan

Endosulfan is an organochlorine insecticide comprised of stereoisomers designated I and II, both of which have similar toxicities. Endosulfan and its metabolites have been found widely in food samples, and are absorbed through the GI tract and distributed throughout the body (EPA 1995b). No information has been located on normal background values or toxicity thresholds for endosulfan or endosulfan sulfate in fish.

Endosulfan I, Endosulfan II, and Endosulfan sulfate were infrequently detected in tissue, except Endosulfan II was detected in 8 of 19 lobsters, with a maximum value of 0.67 µg/kg. Most detected values for these compounds were less than 2 µg/kg. The maximum concentration was observed in two goldspotted killifish from BG 7, where endosulfan sulfate was detected at 9.8 µg/kg.

Endrin and Endrin aldehyde

Endrin, a stereoisomer of aldrin, was widely used as a broad-spectrum insecticide until its registration was canceled in 1984. Like other organochlorine pesticides, endrin bioaccumulates in lipid. Endrin aldehyde is formed by oxidation of endrin. Newell et al. (1987) concluded that 25 µg/kg represents a fish flesh criterion for endrin for the protection of piscivorous wildlife.

Endrin was detected in 2 of 77 fish (1.0 and 1.1 µg/kg). Endrin aldehyde was detected in the same two fish plus a third (all three were BG 3 samples). Endrin aldehyde values in these fish were 3.4, 5.1, and 5.4 µg/kg. These two compounds were detected in most crabs, and in approximately one third to one half of the lobster and conch samples. Detected values ranged from 0.22 to 2.8 µg/kg in crabs, 0.06 to 3.1 µg/kg in lobsters, and 0.08 to 2.0 µg/kg in conchs. Endrin aldehyde was detected in 5 of 9 turtle grass samples, and the highest detected value (18 µg/kg; BG 4) was measured in the only turtle grass samples in which

endrin was detected. Both compounds were detected in 6 of 6 terrestrial samples, with maximum values of 0.38 µg/kg (endrin) and 1.2 µg/kg (endrin aldehyde).

Heptachlor and Heptachlor epoxide

Heptachlor epoxide is a breakdown product of the organochlorine pesticides heptachlor and chlordane (EPA 1994). Heptachlor epoxide is more toxic than either parent compound. Although most uses of heptachlor were suspended in 1978 and chlordane was removed from the market in 1988, heptachlor epoxide continues to be a widespread contaminant due to its relatively long biological half-life (EPA 1995b). Maximum EMAP concentrations in eight fish species ranged from nondetected to 0.23 µg/kg for heptachlor and 0.09 to 5.29 µg/kg for heptachlor epoxide (EPA 1991). Newell et al. (1987) selected 200 µg/kg as a noncarcinogen piscivorous wildlife criterion for heptachlor and heptachlor epoxide, and 210 µg/kg as a 1 in 100 cancer risk level for piscivorous wildlife.

Heptachlor was detected in 10 of 19 lobsters at values ranging from 0.07 to 0.33 µg/kg. Heptachlor was detected infrequently in crab, conch, and terrestrial vegetation at approximately the same concentrations as in lobsters, and was not detected in fish and turtle grass. Heptachlor epoxide was detected in 8 of 77 fish and 3 of 15 crab samples. The highest value in fish (10 µg/kg) was in a sample from BG 7. Other detected values in fish ranged from 1.0 to 4.6 µg/kg. All values were well below levels considered to be toxic to piscivorous wildlife.

Methoxychlor

Methoxychlor was previously registered as an insecticide, used especially to control mosquito larvae and house-flies. Like other organochlorine pesticides, methoxychlor is environmentally persistent, bioaccumulates in tissue, and biomagnifies in the food chain.

Methoxychlor was detected in one fish, two crab, one lobster, and three conch samples. Detected values were highest in crabs (5 and 11 µg/kg). Other detected values ranged from 0.89 to 2.6 µg/kg.

7.4 INORGANICS (METALS)

Several metals were detected in background tissue samples. With few exceptions, metals were either rarely detected, or were detected at concentrations below toxicity thresholds and within the normal range of published background tissue values. The data set is indicative of background conditions at NAS Key

West and, overall, concentrations indicate that tissue toxicity due to metals is not a concern at background sites.

Aluminum

Data on the toxicity of aluminum to aquatic organisms is somewhat limited, and aluminum toxicity depends on factors such as pH and calcium concentrations. In general, laboratory studies have established that aluminum concentrations in acidified waters are toxic, and that calcium is ameliorative (Suter 1993). The aluminum content of terrestrial plants typically ranges from 10 to 30 mg/kg (Hackett 1962).

Aluminum was detected in 6 of 24 fish samples, 2 of 13 conchs, and 8 of 9 turtle grass samples. All detected values in fish were from BG 7, and ranged from 10.4 to 37.7 mg/kg. Both conchs in which aluminum was detected (1.7 and 26.6 mg/kg) were Florida horse conchs, and were the only two specimens of this species. Detected values in turtle grass ranged from 12.2 to 36.5 mg/kg.

Antimony

Antimony is frequently associated with nonferrous ore deposits and is commonly encountered in industrial environments, especially near smelters. It is a nonessential metal and is easily taken up by plants if present in a soluble form (Kabata-Pendias and Pendias 1992). Plants growing in soils contaminated by industrial emissions typically contain elevated tissue concentrations of this metal. Mean concentrations of antimony in bivalves collected from U.S. coastal sites ranged from 0.03 to 4 mg/kg DW (0.08 to 2 mg/kg FW) (NOAA 1987).

Antimony was detected in 4 of 77 fish samples in concentrations ranging from 1.1 to 1.2 mg/kg and was not detected in any other tissues. All four detected values were in BG 7 samples, and were at or near the detection limit (1.1 mg/kg) for fish.

Arsenic

Arsenic is a relatively common element that occurs in air, water, soil, and in all living tissues. It ranks 20th in abundance in the earth's crust, 14th in sea water, and 12th in the human body. Its major industrial uses include the manufacture of pesticides, wood preservatives, and growth stimulants for plants and animals (Eisler 1988a). Its bioavailability and toxicity are significantly influenced by its chemical form, route of exposure, dose, and species of animal. Arsenic is accumulated from water by numerous organisms.

However, there is no evidence of magnification within the aquatic food chain (Eisler, 1988a). Almost all arsenic in tissues of marine species is in the form of organoarsenic compounds, especially arsenobetaine, a water soluble form that is relatively nontoxic to the organism and its consumers, including humans (Phillips, 1990; Eisler, 1988a; Neff, 1997). Arsenic is usually elevated in marine species because of their ability to accumulate arsenic from sea water and not due to localized contaminant sources (Maher, 1985). Arsenic is a constituent of most plants, and background concentrations in plants are usually less than 1 mg/kg (Eisler, 1988a).

Mean concentrations of arsenic in freshwater fish in a national survey by the USFWS National Contaminant Biomonitoring Program (NCBP) were 0.16 mg/kg during 1978-1979 and 0.14 mg/kg during 1980-1981 (Lowe et al., 1985). Marine organisms in general accumulate more arsenic from the water column than fresh water organisms (Maher, 1983), and some marine finfish appear to be unaffected at muscle total arsenic concentrations of 40 mg/kg (Eisler, 1988a). Arsenic concentrations in marine fish and invertebrates (especially crustaceans) are highly variable, and values up to 100 mg/kg are common (Law, 1996). The highest concentrations of arsenic are usually in marine animals that feed primarily on phytoplankton or macroalgae, which often contain high concentrations of arsenic. These taxa include planktonic crustaceans, mollusks, herbivorous snails (such as conchs), and polychaete worms (Neff, 1997). Arsenic in 156 marine fish samples collected throughout the world ranged from 0.05 to 449.5 mg/kg DW (0.01 to 112 mg/kg FW), and averaged 5.59 mg/kg DW (1.4 mg/kg FW) (Neff, 1997). Concentrations in marine mollusks collected from four locations in U.S. coastal waters ranged from 2 to 20 mg/kg (Hall et al., 1978). Arsenic in oysters collected from the Gulf of Mexico ranged from 4.1 to 39 mg/kg DW (1 to 9.8 mg/kg FW); the highest concentrations were in oysters collected from the west coast of Florida, where marine waters receive drainage from natural phosphate mineral deposits which are rich in arsenic (Neff, 1997). Concentrations in the stone crab (*Menippe mercenaria*) ranged from 9 to 11.8 mg/kg (Jenkins, 1980). Arsenic concentrations in crustaceans collected in U.S. coastal waters and sold for human consumption usually range from 3 to 10 mg/kg while values of 2 to 5 mg/kg are common in marine finfish (Eisler, 1988a). Arsenic in marine snails collected throughout the world ranged from 8.0 to 533 mg/kg DW (2.0 to 133 m/kg FW), and averaged 51.97 mg/kg DW (13 mg/kg FW) (Neff, 1997). Concentrations of arsenic in mollusks and crustaceans often range up to 30 mg/kg (FDA, 1993). Arsenic in lobsters may occasionally exceed 100 mg/kg because lobsters specifically store arsenic (FDA, 1993).

Arsenic was detected in 35 of 77 fish samples. The maximum value in fish was 8.3 mg/kg in a BG 3 sample, and 11 fish samples exceeded the 5-mg/kg level reported as common in marine fish (Eisler, 1988a). The distribution of detected values in fish is noteworthy. The frequency of detection was 10 of 10 in BG 2 and 16 of 18 in BG 3 samples, but was only 4 of 25 in BG 1 and 5 of 24 in BG 7 samples. Although detected infrequently in BG 7 fish, 5 of the highest 10 values were from that site. Perhaps most

noteworthy, arsenic was detected in 17 of 19 *Fundulus* minnow samples, and the 15 highest values were in *Fundulus* samples. Arsenic was rarely detected in the other four minnow species: 2 of 19 (sailfin molly), 3 of 11 (sheepshead minnow), 0 of 5 goldspotted killifish, and 0 of 4 crested goby. Thus, among fish samples, arsenic tended to be highest in *Fundulus* minnows, and was rarely detected in other minnow samples. The average concentration in background fish (1.87 mg/kg) was only slightly greater than the average value of 1.4 mg/kg reported by Neff (1997).

Arsenic was detected in 14 of 15 crabs, in all lobsters and conchs, in 3 of 9 turtle grass samples, and was not detected in terrestrial vegetation. Mean values were 15.1 mg/kg in crabs, 13.4 mg/kg in lobsters, and 53.3 in conchs. These values are similar to those reported in the literature for similar species collected throughout the U.S.

Barium

Barium is relatively abundant in nature and is commonly found in plant and animal tissue (Goyer, 1986). Tissue concentrations of 220 mg/kg DW (110 mg/kg FW) have been reported to be moderately toxic to plants (Shacklette et al., 1978).

Barium was detected most often in fish (42 of 77 samples), followed by crabs (7 of 15), and lobsters (4 of 19). Detected concentrations followed the same pattern; 0.55 to 9.9 mg/kg in fish, 1.1 to 3.5 mg/kg in crabs, and 1.1 to 1.6 mg/kg in lobsters. The highest fish values were in BG 7 samples, and detected barium concentrations in most fish from BG 1-3 were less than 3 mg/kg. Barium was not detected in conch or in turtle grass, and was detected in only 1 of 6 terrestrial vegetation samples (3.5 mg/kg). At present, no information has been located on normal background values or toxicity thresholds for barium in tissue.

Beryllium

Beryllium enters waterways through weathering of rocks and soils, atmospheric deposition, and discharges from industrial and municipal operations (EPA, 1980b). The major source of beryllium in the environment is the combustion of fossil fuels (Tepper, 1972).

Beryllium was detected in 4 of 15 crabs, and 2 of 19 lobsters, and was not detected in any other tissue sample. Maximum values were 0.17 mg/kg in crabs and 0.08 mg/kg in lobsters.

Cadmium

Cadmium concentrations in the environment are quite variable, but tend to be highest in the vicinity of smelters and urban industrial areas. Marine biota generally contain higher cadmium concentrations than freshwater or terrestrial organisms, probably because cadmium levels are higher in seawater. Maximum EMAP concentrations of cadmium in eight fish species ranged from nondetected to 0.08 mg/kg (EPA, 1991). Mean concentrations of cadmium in bivalves collected from U.S. coastal sites ranged from 0.2 to 13 mg/kg DW (0.05 to 3.2 mg/kg FW) (NOAA, 1987). Marine mollusks tend to accumulate high concentrations of cadmium (Furness, 1996). Cadmium values in marine mollusks and crustaceans generally fell within a range of 0.1 to 3 mg/kg in several studies summarized by Eisler (1985), and marine bivalve mollusks occasionally contained more than 13 mg/kg in soft tissue. Cadmium values in 12 American lobsters (*Homarus americanus*) collected from a background site ranged from 0.010 to 0.120 mg/kg (EPA, 1987c). In a contaminated area immediately downwind from a smelter, cadmium in foliage was 8.1 mg/kg DW (4 mg/kg FW), while values in foliage collected from an area 6 miles upwind were 2.3 mg/kg DW (1.1 mg/kg FW) (Beyer et al., 1985). Background levels of cadmium in plants are usually less than 1 mg/kg (Eisler, 1985). Dietary concentrations of cadmium greater than 2 mg/kg induced adverse physiological effects on birds (Furness, 1996). Tissue concentrations greater than 13 mg/kg probably are hazardous to animals in the higher trophic levels; concentrations greater than 2 mg/kg invertebrate whole body tissue indicate probable contamination; and 0.1 mg/kg in the diet is a conservative estimate of the level above which adverse effects may occur in fish and wildlife (Eisler, 1985).

Cadmium was detected in approximately half of the crab, conch, and lobster samples and in 2 of 9 turtle grass samples, and was not detected in fish or terrestrial vegetation. Detected values exceeded 2.0 mg/kg in one crab (2.5 mg/kg at BG5) and two conchs (5.4 mg/kg at BG 4 and 5.9 mg/kg at BG 8).

Chromium

No biomagnification of chromium has been observed in food chains, and concentrations are usually highest at the lowest trophic levels (Eisler, 1986b). Maximum EMAP concentrations of chromium in eight fish species ranged from nondetected to 1.95 mg/kg (EPA 1991). Mean concentrations of chromium in bivalves collected from U.S. coastal sites ranged from 0.12 to 10.9 mg/kg DW (0.03 to 2.7 mg/kg FW) (NOAA 1987). Based on a review of data from several studies conducted by the FWS in the southwest United States, Irwin (1988) considered 0.8 mg/kg in fish and wildlife tissue to represent an elevated level of chromium. Tissue concentrations greater than 4.0 mg/kg DW (1.0 mg/kg FW) in fish and wildlife have been considered as presumptive evidence of chromium contamination (Eisler, 1986b).

Chromium was detected in one minnow sample from BG 1 (3.1 mg/kg) and one minnow sample from BG 3 (1.0 mg/kg), and was not detected in other tissue samples. While both values in fish were greater than published protection criteria, the frequency of detection was low.

Cobalt

Cobalt is relatively rare and is one of the seven essential metals. Cobalt is produced primarily as a byproduct of smelters (Amdur et al., 1991). Plants are known to accumulate large quantities of cobalt and appear to have a mechanism of cobalt tolerance (Kabata-Pendias and Pendias, 1992).

Cobalt was detected at 0.39 mg/kg in one minnow sample from BG 7, and was not detected in any other tissue sample. This sailfin molly sample was also the fish sample in which silver was detected.

Copper

Copper is widely distributed in nature and is an essential biological element. The blood of many mollusks (including conchs) and some anthropods is composed of a copper-containing serum called hemocyanin, which is similar to the hemoglobin (iron-containing) serum in vertebrate animals (Keeton and McFadden, 1983). Normal tissue concentrations of copper (as well as its toxicity threshold) vary widely depending on many factors such as water hardness, alkalinity, salinity, pH, organic level, temperature, and body size. Saltwater organisms are more tolerant of copper than freshwater organisms, and increased salinity has an ameliorative effect on copper toxicity (Sorenson, 1991). In addition, elevated levels of copper in tissues of fish are associated with the development of enhanced tolerance to subsequent copper exposure (Dixon and Sprague, 1981). Maximum EMAP concentrations of copper in eight fish species ranged from 1.15 to 3.11 mg/kg (EPA, 1991). Copper in freshwater fish collected nationwide averaged 0.65 mg/kg, with a maximum value of 23.1 mg/kg (Schmitt and Brumbaugh, 1989). Mean concentrations of copper in mussels collected from U.S. coastal sites ranged from 2.9 to 20.3 mg/kg DW (0.7 to 5.1 mg/kg FW), and in oysters from 14.7 to 1,603 mg/kg DW (3.7 to 401 mg/kg FW) (NOAA, 1987). Average background concentrations of copper ranging from 8.5 mg/kg FW to 25.9 mg/kg FW have been reported for marine shrimp (*Crangon* spp.) (Jorgensen et al., 1993). Average background concentrations of copper in crabs (*Cancer pagurus*, *Carcinus maenas*) ranging from 6 to 44 mg/kg have been reported (Jorgensen et al., 1991). Average reported background concentrations of copper in the blue mussel (*Mytilus edilus*) ranged from 0.73 to 6.0 mg/kg and from 3.7 to 1,025 mg/kg in oysters (Jorgensen et al., 1991).

Copper was detected in all conchs and lobsters, in most crabs and fish, in one turtle grass sample, and in no terrestrial vegetation samples. Detected concentrations followed a similar pattern and ranged from 9.0

to 91.1 (mean = 32.8) mg/kg in conchs, 14.2 to 37.1 (mean = 26.2) mg/kg in lobsters, 5.5 to 60.5 (mean = 20.4) mg/kg in crabs, and 0.5 to 22.8 (mean = 3.7) mg/kg in fish, with a single value of 2.4 mg/kg in turtle grass. These values are within the normal range of published background values.

Iron

Iron is essential to all living organisms. Average background concentrations of iron in seven studies of marine fish ranged from 4.3 to 17 mg/kg (Jorgensen et al., 1991). Average background concentrations of iron in two species of crabs (*Cancer irroratus*, *Carcinus maenas*) were 60.0 to 166.5 mg/kg FW, respectively (Jorgensen et al., 1991). Average background concentrations of iron in 24 studies of various marine gastropods ranged from 4.7 mg/kg to 2,915 mg/kg DW (729 mg/kg FW).

Iron was detected in 10 of 24 fish, 7 of 15 crab, 4 of 13 conch, and 6 of 9 turtle grass samples. Detected values ranged from 15.6 to 49.8 mg/kg in fish (average = 16.9 mg/kg), 22.2 to 56.5 mg/kg in crabs (average = 23.5 mg/kg), 36.3 to 103.0 mg/kg in conchs (average = 270 mg/kg), and 26.9 to 90.2 mg/kg in turtle grass (average = 35.7 mg/kg). These values are within the normal range of published background values.

Lead

Research to date has determined that lead is neither essential nor beneficial and that all measured effects are adverse (Eisler, 1988b). Mean concentrations of lead in freshwater fish in the NCBP national survey were 0.19 ppm during 1978 and 1979 and 0.17 ppm during 1980 and 1981 (Lowe et al., 1985). From 1976 to 1984, NCBP values of lead in freshwater fish averaged 0.11 mg/kg, with a maximum value of 4.88 mg/kg (Schmitt and Brumbaugh, 1989). Maximum EMAP concentrations of lead in eight fish species ranged from nondetected to 0.07 mg/kg (EPA, 1991). Mean concentrations of lead in bivalves collected from U.S. coastal sites ranged from 0.1 to 23.33 mg/kg DW (0.025 to 5.83 mg/kg FW) (NOAA, 1987). Muscle concentrations of lead in nationwide coastal marine fish has been reported as ranging from 0.1 to 3 mg/kg (Eisler, 1988b). Maddock and Taylor (1980) considered 2.0 mg/kg to be a fish tissue concentration protective of marine animals.

Lead was detected in 41 of 77 fish samples and in approximately one-third to one-fourth of crab, lobster, conch, and turtle grass samples, and was not detected in terrestrial vegetation. Detected values ranged from 0.37 to 0.6 mg/kg in crabs, 0.58 to 0.78 mg/kg in lobsters, 0.35 to 0.44 mg/kg in conchs, and 0.43 to 0.93 mg/kg in turtle grass.

Among fish, lead was detected in 41 of 58 minnow samples (range of 0.14 to 11.9 mg/kg), and was not detected in any of the 19 fish large enough to be collected in gill nets. Eleven minnow samples exceeded 2 mg/kg, and sheepshead minnows were responsible for 10 of the 11 highest values. Sheepshead minnow values were highest in BG 3 samples, ranging from 7.4 to 11.9 mg/kg, and lead in sheepshead minnows from BG 7 ranged from 2.6 to 3.3 mg/kg. With the exception of the sheepshead minnow samples, lead values do not appear to be higher than the normal range of values.

Manganese

Manganese is a vital micronutrient for both plants and animals. It is found in various salts and minerals, frequently in association with iron compounds (EPA, 1986d). Average background manganese concentrations in 21 studies of various gastropod species ranged from 0.34 mg/kg FW to 140 mg/kg DW (35 mg/kg FW) (Jorgensen et al., 1991). The average background concentration in Atlantic rock crabs (*Cancer irroratus*) was 10.6 mg/kg (Jorgensen et al., 1991).

Manganese was detected in 1 of 24 fish, 12 of 15 crab, 5 of 19 lobster, 10 of 13 conch, 9 of 9 turtle grass, and 4 of 6 terrestrial vegetation samples. The single detected value in fish was 16.2 mg/kg in a BG 7 sailfin molly sample. Detected values in crabs, lobsters, conchs, and terrestrial vegetation ranged from 0.36 to 6.7 mg/kg and were within the normal range of published background values. Values in turtle grass were slightly higher, ranging from 3.2 to 15.9 mg/kg.

Mercury

Mercury is widely distributed in the environment due to both natural and industrial processes. Mean concentrations of mercury in freshwater fish in the NCBP national survey were 0.11 ppm during 1978 and 1979 and 0.11 ppm during 1980 and 1981 (Lowe et al., 1985). From 1976 to 1984, NCBP values of mercury in freshwater fish averaged 0.10 mg/kg, with a maximum value of 0.37 mg/kg (Schmitt and Brumbaugh, 1989). Maximum EMAP concentrations of mercury in eight fish species ranged from 0.02 to 0.26 mg/kg (EPA, 1991). In a study of 660 fish collected from 374 sites, the mean mercury concentration was 0.26 mg/kg, and ranged from nondetected to 1.77 mg/kg (Bahnick et al., 1994). In the same study, the mean concentration in fish from 21 *background* sites was 0.34 mg/kg, and also ranged from nondetected to 1.77 mg/kg. Mean concentrations of mercury in bivalves collected from U.S. coastal sites ranged from 0.01 to 0.48 mg/kg DW (0.0025 to 0.12 mg/kg FW) (NOAA, 1987). Eisler (1987)

recommended the following protection criteria for wildlife: 0.1 mg/kg in fish eaten by birds and 1.1 mg/kg in fish eaten by small mammals. Field studies indicate that muscle tissue concentrations of 6 to 20 mg/kg are toxic to adult fish; estimated whole body no-observed-effect concentrations in salmonids are 3 mg/kg (Wiener and Spry, 1996).

Mercury was detected in 28 of 77 fish, 7 of 15 crab, 5 of 19 lobster, 6 of 13 conch, 2 of 9 turtle grass, and 6 of 6 terrestrial vegetation samples. The maximum value in fish was 0.12 mg/kg in a gray snapper from BG 2. Other fish values did not exceed 0.06 mg/kg. Detected values in other tissues ranged from 0.04 to 0.17 mg/kg in crabs, 0.02 to 0.08 mg/kg in lobster, 0.02 to 0.14 mg/kg in conch, and 0.01 to 0.02 mg/kg in turtle grass and terrestrial vegetation. These values indicate that mercury is within the range of normal values.

Nickel

Specific toxicity thresholds or background levels of nickel have not been identified in a literature search. However, nickel is commonly found in most surface-water bodies and, like many other heavy metals, its bioavailability and toxicity to aquatic species is a function of water quality characteristics, including alkalinity, hardness, pH, salinity, and humic acid concentrations (EPA, 1986c). Results of tests indicate that this metal does not bioconcentrate to any appreciable extent nor does it biomagnify in foodchains (EPA 1986c). Mean concentrations of nickel in bivalves collected from U.S. coastal sites ranged from 0.55 to 12.57 mg/kg DW (0.14 to 3.14 mg/kg FW) (NOAA, 1987).

Nickel was detected in 3 of 77 fish at concentrations of 12.4 mg/kg (BG 1), 2.8 mg/kg (BG 2), and 0.46 mg/kg (BG 7), and in one conch (0.72 mg/kg at BG 4), one turtle grass sample (26.1 mg/kg at BG 8), and one terrestrial vegetation sample (1.1 mg/kg at BG 6).

Selenium

Selenium is required in trace amounts by some organisms. While essential for plants and animals, selenium is toxic at higher concentrations (Masscheleyn and Patrick, 1993). Mean concentrations of selenium in freshwater fish in the NCBP national survey were 0.46 ppm during 1978 and 1979 and 0.47 ppm during 1980 and 1981 (Lowe et al., 1985). Sorensen (1991) reported that selenium normally is present at 0.47 ppm in fish in the United States, and levels of 1 ppm are common. Maximum EMAP concentrations of selenium in eight fish species ranged from 0.32 to 1.55 mg/kg (EPA, 1991). Selenium in freshwater fish collected nationwide averaged 0.42 mg/kg, with a maximum value of 2.30 mg/kg (Schmitt

and Brumbaugh, 1989). Mean concentrations of selenium in bivalves collected from U.S. coastal sites ranged from 0.93 to 8.17 mg/kg DW (0.23 to 2.04 mg/kg FW) (NOAA 1987). Lemly (1996) recommended 3 mg/kg DW (0.75 mg/kg FW) as the toxic threshold for selenium in aquatic organisms consumed by fish and wildlife, and 4 mg/kg DW (1 mg/kg FW) in fish as a toxic threshold for the health and reproduction of fish.

Selenium was detected in 42 of 77 fish samples, ranging from 0.24 to 1.2 mg/kg. Only three fish (two yellowfin mojarras from BG 1 and one sailfin molly minnow sample from BG 7) exceeded Lemly's (1996) protective criterion of 0.75 mg/kg. Selenium was detected in 1 of 13 conchs (2.4 mg/kg) in a sample from BG 4. This sample (B4CH-22) was also responsible for the greatest concentrations among conchs of six other analytes (Table 7-5). Overall, the values detected in fish and the low frequency of detection in other tissues show that selenium is within the normal range of values.

Silver

No information has been located on toxicity thresholds for silver. Silver exhibits a limited ability to bioconcentrate and, based on studies of rats, chickens, and turkeys, the maximum tolerable level for silver in animal food is 100 mg/kg (NRC 1980). Mean concentrations of silver in bivalves collected from U.S. coastal sites ranged from 0.01 to 7 mg/kg DW (0.0025 to 1.75 mg/kg FW) (NOAA, 1987).

Silver was detected in 1 of 77 fish (0.2 mg/kg), 5 of 15 crabs (0.27 to 0.92 mg/kg), 5 of 19 lobsters (0.26 to 0.45 mg/kg), 5 of 13 conchs (0.4 to 4.3 mg/kg), and 1 of 9 turtle grass samples (0.29 mg/kg). The greatest value was measured in a conch from BG 4. The next highest silver value was 1.1 mg/kg in a conch from BG 8.

Vanadium

Vanadium is an ubiquitous element, frequently associated with petroleum refining and products. It is also used in the hardening of steel, the production of pigments, and the manufacture of insecticides. It is common in many foods, particularly milk, cereals, and vegetables (Amdur et al., 1991).

Vanadium was detected in 1 of 15 crab samples (0.61 mg/kg) from BG 4 and in 3 of 13 conch samples. All three conchs in which vanadium was detected were also from BG 4, with values of 0.58, 3.7, and 98.3 mg/kg.

Zinc

Zinc is an essential micronutrient for living organisms, but is toxic to tissue at elevated levels. The accumulation of zinc depends on the size and age of the organism, water hardness, temperature, pH, the presence of other elements, and additional factors (Sorensen, 1991; Eisler, 1993). As a result, zinc concentrations in plant and animal tissues are extremely variable and difficult to interpret. Adequate toxicity thresholds for marine aquatic species based on tissue accumulation do not exist (Eisler, 1993). Mean concentrations of zinc in freshwater fish in the NCBP national survey were 25.63 ppm during 1978 and 1979 and 23.82 ppm during 1980 and 1981 (Lowe et al., 1985). From 1976 to 1984, NCBP values of zinc in freshwater fish averaged 21.7 mg/kg, with a maximum value of 118.4 mg/kg (Schmitt and Brumbaugh, 1989). Maximum EMAP concentrations of zinc in eight fish species ranged from 7.88 to 37.7 mg/kg (EPA, 1991). Zinc concentrations in fish are usually less than 700 mg/kg DW (175 mg/kg FW), and concentrations in marine crustacean tissues are usually less than 75 mg/kg (Eisler, 1993). Bivalve mollusks and barnacles often naturally contain up to 4,000 mg/kg zinc in soft tissue (Eisler, 1993). Average background concentrations of zinc in oysters ranged from 21 to 5,625 mg/kg in five studies (Jorgensen et al., 1991). Average background concentrations of zinc in two studies of common periwinkles (Littonia littorea) were 117 and 219 mg/kg DW (29 and 55 mg/kg FW (Jorgensen et al., 1991). Mean concentrations of zinc in mussels collected from U.S. coastal sites ranged from 53 to 310 mg/kg DW (13 to 78 mg/kg FW), and in oysters from 300 to 13,000 mg/kg DW (75 to 3,250 mg/kg FW) (NOAA, 1987).

Zinc was detected in all crab, lobster, conch, and turtle grass samples, in 75 of 77 fish samples, and in 2 of 6 terrestrial vegetation samples. Mean values were: 33.87 mg/kg in crabs, 20.51 mg/kg in lobsters, 38.75 mg/kg in fish, 69.06 mg/kg in conch, 7.34 mg/kg in turtle grass, and 12.42 mg/kg in terrestrial vegetation. These concentrations are within the normal range of published background values.

7.5 SUMMARY AND CONCLUSIONS - TISSUE

No volatile organic compounds were detected in any of the 56 fish and oyster samples collected from background sites in January 1996. Analyses were not conducted for volatile compounds on tissue samples collected from August to October 1996.

Three semivolatile compounds were detected in fish tissue collected from background sites during January 1996. Each compound was detected in only 4 to 5 out of 53 samples, but a few detected values were quite high. All samples in which semivolatile compounds were detected consisted of minnows. Because minnow samples were composites of several individual fish, the occurrence of high values in

only a few samples is surprising. Whether these outliers represent true concentrations or are an artifact of the analytical process is unknown. Because of the low frequency of detection in samples collected during January 1996, analyses were not conducted for semivolatile compounds on tissue samples collected from August to October 1996.

Only two PCB compounds (aroclor-1248 and aroclor-1260) were detected in tissue. Aroclor-1248 was detected in approximately one-fourth of the fish samples, while aroclor-1260 was detected in one crab and most fish samples. Although PCB concentrations in a few fish exceeded the lowest protective criterion, all values were less than mean values for PCBs detected in fish collected nationwide.

Pesticides detected in fish tissue consisted of DDT, aldrin, BHC, chlorobenzilate, dieldrin, endosulfan, endrin, heptachlor, methoxychlor, and various daughter products. DDT, DDD, and DDE were detected infrequently and at low concentrations in crab, lobster, conch, and vegetation samples. DDD and DDE were detected in most fish samples, but only one fish sample exceeded a published criterion protective of wildlife. Thus, tissue concentrations of DDT and its metabolites do not appear to be a toxicity problem at the background sites. Aldrin, dieldrin, BHC, and daughter products were detected infrequently in most tissue types, at low concentrations, and all concentrations were well below values considered to be toxic to ecological receptors. Published tissue toxicity data are sparse for chlorobenzilate, endosulfan, endrin, heptachlor, and methoxychlor, but because these pesticides and their daughter products were detected infrequently and at low concentrations, background tissue contamination above expected background levels is negligible. In summary, the organochlorine insecticides detected in background tissue samples were once widely used and are known to remain in the environment for extremely long periods. The degree to which the tissue concentrations of these pesticides (and aroclor) are the result of local activities or other sources (e.g., atmospheric transport) is unknown. However, the infrequent detection and overall low concentrations indicate that tissue contamination above expected background levels by pesticides is negligible and the data set is indicative of background conditions at NAS Key West.

Several metals were detected in tissue samples, and the data set adequately characterizes metal concentration in tissues from background sites. Antimony, beryllium, chromium, cobalt, nickel, and vanadium were detected in very few samples, and generally at low concentrations (less than 1 mg/kg). Silver's frequency of detection was slightly higher, but values were low, and exceeded 1 mg/kg in only two samples. Aluminum was detected infrequently except in aquatic vegetation (turtle grass), where its concentrations were comparable to values considered typical for terrestrial plants (data on aluminum in terrestrial plants were not available in the literature). Cadmium, mercury, and selenium were detected in numerous samples, but concentrations were less than published protection thresholds for ecological receptors, and were within the range of normal values. Toxicity thresholds were not available for copper,

iron, manganese, and zinc. These metals were commonly detected in tissues, but most detected concentrations of these essential elements were within the normal range of published background values.

Tissue data for barium were not found in the literature. Barium was detected in several fish and crab samples, usually at 1 to 3 mg/kg, except at BG 7, where fish concentrations ranged from 2.7 to 9.9 mg/kg. Barium was infrequently detected in lobsters, and was not detected in conchs or in vegetation.

Arsenic was detected frequently in animal tissue and infrequently in plant tissue. Among fish, arsenic tended to be highest in *Fundulus* minnows. Arsenic concentrations were quite variable in crabs, lobsters, and conchs, reflecting the natural variability of this element. Overall, arsenic values in tissue were similar to those reported in the literature for similar species collected nationwide.

Lead was detected in most minnow samples and one-third to one-half of crab, lobster, conch, and turtle grass samples. It was not detected in large fish or in terrestrial vegetation. Detected values were low (<1 mg/kg) except in some minnow samples. Lead in 10 of 11 sheepshead minnow samples ranged from 2.6 to 11.9 mg/kg. With the exception of the sheepshead minnow samples, lead concentrations do not appear to be higher than the range of values observed nationwide.

In general, fish tissue concentrations were higher at BG 7 than at the other three sites where fish were collected. Crab tissue concentrations tended to be highest at BG 4. However, all stone crab samples, as well as 11 of 15 total crab samples, were collected from this site, so it is unclear if the higher crab values (in comparison to crabs from BG 5 and BG 8) are due to site differences or to species differences. Among the three sites where turtle grass was collected, tissue concentrations tended to be highest at BG 8. As listed in Table 7-1, there were few species common among sites, making intersite comparisons difficult. Overall, the tissue concentrations at the eight background sites show little evidence of contamination problems, and tissues collected from these sites provide a data set that is indicative of background conditions at NAS Key West.

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APPENDIX A

KEY WEST MOD01
SUPPLEMENTAL RFI/RI BACKGROUND SAMPLES

SOIL DATA SET

Keywest MOD01 Supplemental RFI/RI Background Samples
Soil Data Set

PARAMETER	RESULT	QUAL
BG 1		
BG1SS-01 BG1SS-01 B&RE 0 ft		
Inorganics (mg/kg)		
Aluminum	3620	
Antimony	0.58	U
Arsenic	2.7	U
Barium	13	
Beryllium	0.07	U
Cadmium	0.41	
Chromium	5.8	
Cobalt	0.29	
Copper	5.1	
Cyanide	1.2	U
Iron	1710	
Lead	10.5	
Manganese	33.7	
Mercury	0.07	U
Nickel	2	
Selenium	1.1	U
Silver	0.16	U
Thallium	1	UJ
Tin	4.91	U
Vanadium	3.6	
Zinc	5.9	
Pesticides/PCBs (µg/kg)		
2,4,5-T	54.8	U
2,4,5-TP (silvex)	27.4	U
2,4-D	54.8	U
4,4'-DDD	36.2	U
4,4'-DDE	25.1	J
4,4'-DDT	36.2	U
Aldrin	18.1	U
Alpha-BHC	18.1	U
Aroclor-1221	113	U
Aroclor-1232	113	U
Aroclor-1242	113	U
Aroclor-1248	113	U
Aroclor-1254	113	U
Aroclor-1260	113	U
Aroclor-1260	113	U
Beta-BHC	18.1	U
Chlordane	226	U
Chlorobenzilate	2280	U
Delta-BHC	18.1	U
Dieldrin	36.2	U
Dimethoate	2280	U
Dinoseb	455	U
Disulfoton	455	U
Endosulfan I	18.1	U
Endosulfan II	36.2	U

PARAMETER	RESULT	QUAL
Endosulfan sulfate	36.2	U
Endrin	36.2	U
Endrin aldehyde	36.2	U
Famphur	455	U
Gamma-BHC (lindane)	18.1	U
Heptachlor	18.1	U
Heptachlor epoxide	18.1	U
Isodrin	455	U
Kepone	455	U
Methoxychlor	181	U
Methyl parathion	45.3	U
Parathion	45.3	U
Phorate	45.3	U
Sulfotep	455	U
Thionazin	455	U
Toxaphene	906	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	455	U
1,2,4-trichlorobenzene	455	U
1,2-dichlorobenzene	455	U
1,3,5-trinitrobenzene	2280	U
1,3-dichlorobenzene	455	U
1,3-dinitrobenzene	455	U
1,4-dichlorobenzene	455	U
1,4-dioxane	455	U
1,4-naphthoquinone	455	U
1-naphthylamine	455	U
2,3,4,6-tetrachlorophenol	455	U
2,4,5-trichlorophenol	455	U
2,4,6-trichlorophenol	455	U
2,4-dichlorophenol	455	U
2,4-dimethylphenol	455	U
2,4-dinitrophenol	910	U
2,4-dinitrotoluene	455	U
2,6-dichlorophenol	455	U
2,6-dinitrotoluene	455	U
2-acetylaminofluorene	455	U
2-chloronaphthalene	455	U
2-chlorophenol	455	U
2-methyl-4,6-dinitrophenol	455	U
2-methylnaphthalene	455	U
2-methylphenol	455	U
2-naphthylamine	455	UR
2-nitroaniline	455	U
2-nitrophenol	455	U
2-picoline	455	U
3 & 4-methylphenol	455	U
3,3'-dichlorobenzidine	2280	U
3,3'-dimethylbenzidine	2280	UR
3-methylcholanthrene	455	U

PARAMETER	RESULT	QUAL
3-nitroaniline	455	U
4-aminobiphenyl	455	U
4-bromophenyl phenyl ether	455	U
4-chloro-3-methylphenol	455	U
4-chloroaniline	455	UR
4-chlorophenyl phenyl ether	455	U
4-nitroaniline	455	U
4-nitrophenol	455	U
4-nitroquinoline-1-oxide	455	U
5-nitro-o-toluidine	455	U
7,12-dimethylbenz(a)anthracene	455	U
a,a-dimethylphenethylamine	455	UR
Acenaphthene	455	U
Acenaphthylene	455	U
Acetophenone	455	U
Aniline	455	U
Anthracene	455	U
Aramite	455	U
Benzo(a)anthracene	455	U
Benzo(a)pyrene	455	U
Benzo(b)fluoranthene	455	U
Benzo(g,h,i)perylene	455	U
Benzo(k)fluoranthene	455	U
Benzyl alcohol	455	U
Bis(2-chloroethoxy)methane	455	U
Bis(2-chloroethyl)ether	455	U
Bis(2-ethylhexyl)phthalate	455	U
Butyl benzyl phthalate	455	U
Chrysene	455	U
Di-n-butyl phthalate	455	U
Di-n-octyl phthalate	455	U
Diallate	455	U
Dibenzo(a,h)anthracene	455	U
Dibenzofuran	455	U
Diethyl phthalate	455	U
Dimethyl phthalate	455	U
Diphenylamine	455	U
Ethyl methacrylate	455	U
Ethyl methanesulfonate	455	U
Fluoranthene	455	U
Fluorene	455	U
Hexachlorobenzene	455	U
Hexachlorobutadiene	455	U
Hexachlorocyclopentadiene	455	U
Hexachloroethane	455	U
Hexachloropropene	455	U
Indeno(1,2,3-cd)pyrene	455	U
Isophorone	455	U
Isosafrole	455	U
Methapyrilene	2280	U

PARAMETER	RESULT	QUAL
Methyl methanesulfonate	455	U
N-nitroso-di-n-butylamine	455	U
N-nitroso-di-n-propylamine	455	U
N-nitrosodiethylamine	455	U
N-nitrosodimethylamine	455	U
N-nitrosodiphenylamine	455	U
N-nitrosomethylethylamine	455	U
N-nitrosomorpholine	455	U
N-nitrosopiperidine	455	U
N-nitrosopyrrolidine	455	U
Naphthalene	455	U
Nitrobenzene	455	U
o,o,o-triethylphosphorothioate	455	U
o-toluidine	455	U
p-dimethylaminoazobenzene	455	U
p-phenylenediamine	910	U
Pentachlorobenzene	455	U
Pentachloroethane	455	U
Pentachloronitrobenzene	455	U
Pentachlorophenol	455	U
Phenacetin	455	U
Phenanthrene	455	U
Phenol	455	U
Pronamide	455	U
Pyrene	455	U
Pyridine	455	U
Safrole	455	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	3	U
1,1,1-trichloroethane	3	U
1,1,2,2-tetrachloroethane	3	U
1,1,2-trichloroethane	3	U
1,1-dichloroethane	3	U
1,1-dichloroethene	3	U
1,2,3-trichloropropane	3	U
1,2-dibromo-3-chloropropane	3	U
1,2-dibromoethane	3	U
1,2-dichloroethane	3	U
1,2-dichloropropane	3	U
2-butanone	7	U
2-chloro-1,3-butadiene	3	U
2-hexanone	7	U
3-chloropropene	14	U
4-methyl-2-pentanone	7	U
Acetone	3	U
Acetonitrile	14	U
Acrolein	27	UR
Acrylonitrile	27	U
Benzene	3	U
Bis(2-chloroisopropyl)ether	27	U

Keywest MOD01 Supplemental RFI/RI Background Samples
Soil Data Set

PARAMETER	RESULT	QUAL
Bromodichloromethane	3	U
Bromoform	3	U
Bromomethane	3	U
Carbon disulfide	7	U
Carbon tetrachloride	3	U
Chlorobenzene	3	U
Chloroethane	3	U
Chloroform	3	U
Chloromethane	4	
Cis-1,3-dichloropropene	3	U
Dibromochloromethane	3	U
Dibromomethane	3	U
Dichlorodifluoromethane	3	U
Ethyl cyanide	27	UR
Ethylbenzene	3	U
Iodomethane	7	U
Isobutanol	27	U
Methacrylonitrile	14	U
Methyl methacrylate	14	U
Methylene chloride	0.11	J
Styrene	3	U
Tetrachloroethene	3	U
Toluene	3	U
Trans-1,2-dichloroethene	3	U
Trans-1,3-dichloropropene	3	U
Trans-1,4-dichloro-2-butene	14	U
Trichloroethene	3	U
Trichlorofluoromethane	3	U
Vinyl acetate	7	U
Vinyl chloride	3	U
Xylenes, total	8	U
BG1SS-02 BG1SS-02 B&RE 0 ft		
Inorganics (mg/kg)		
Aluminum	3950	
Antimony	0.49	U
Arsenic	0.95	
Barium	15.6	
Beryllium	0.06	U
Cadmium	0.08	U
Chromium	5.5	
Cobalt	0.32	J
Copper	4.3	J
Cyanide	0.23	U
Iron	1730	
Lead	6.1	J
Manganese	28.1	J
Mercury	0.06	U
Nickel	2.1	
Selenium	0.9	UJ
Silver	0.13	U

PARAMETER	RESULT	QUAL
Thallium	0.84	UJ
Vanadium	3.7	
Zinc	6.5	J
Pesticides/PCBs (µg/kg)		
2,4,5-T	50	UJ
2,4,5-TP (silvex)	25	UJ
2,4-D	50	UJ
4,4'-DDD	1.6	U
4,4'-DDE	53.3	
4,4'-DDT	2.6	J
Aldrin	0.83	U
alpha-BHC	0.83	U
Aroclor-1016	5.2	U
Aroclor-1221	5.2	U
Aroclor-1232	5.2	U
Aroclor-1242	5.2	U
Aroclor-1248	5.2	U
Aroclor-1254	5.2	U
Aroclor-1260	5.2	U
beta-BHC	0.83	U
Chlordane	10.3	U
Chlorobenzilate	2000	U
delta-BHC	0.83	U
Dieldrin	1.6	U
Dimethoate	2000	UJ
Dinoseb	410	U
Disulfoton	410	U
Endosulfan I	0.83	U
Endosulfan II	1.6	U
Endosulfan sulfate	1.6	U
Endrin	1.6	U
Endrin aldehyde	1.6	U
Famphur	410	UJ
gamma-BHC (lindane)	0.83	U
Heptachlor	0.83	U
Heptachlor epoxide	0.83	U
Isodrin	410	U
Kepone	410	UJ
Methoxychlor	8.3	U
Methyl parathion	2.1	U
Parathion	2.1	U
Phorate	2.1	U
Sulfotep	410	U
Thionazin	410	U
Toxaphene	41	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	410	U
1,2,4-trichlorobenzene	410	U
1,2-dichlorobenzene	410	U
1,3,5-trinitrobenzene	2000	UJ

PARAMETER	RESULT	QUAL
1,3-dichlorobenzene	410	U
1,3-dinitrobenzene	410	U
1,4-dichlorobenzene	410	U
1,4-dioxane	410	UJ
1,4-naphthoquinone	410	UJ
1-naphthylamine	410	U
2,3,4,6-tetrachlorophenol	410	U
2,4,5-trichlorophenol	410	U
2,4,6-trichlorophenol	410	U
2,4-dichlorophenol	410	U
2,4-dimethylphenol	410	U
2,4-dinitrophenol	820	U
2,4-dinitrotoluene	410	U
2,6-dichlorophenol	410	U
2,6-dinitrotoluene	410	U
2-acetylaminofluorene	410	U
2-chloronaphthalene	410	U
2-chlorophenol	410	U
2-methyl-4,6-dinitrophenol	410	U
2-methylnaphthalene	410	U
2-methylphenol	410	U
2-naphthylamine	410	UR
2-nitroaniline	410	U
2-nitrophenol	410	U
2-picoline	410	U
3 & 4-methylphenol	410	U
3,3'-dichlorobenzidine	2000	UJ
3,3'-dimethylbenzidine	2000	UR
3-methylcholanthrene	410	UJ
3-nitroaniline	410	UR
4-aminobiphenyl	410	U
4-bromophenyl phenyl ether	410	U
4-chloro-3-methylphenol	410	U
4-chloroaniline	410	UR
4-chlorophenyl phenyl ether	410	U
4-nitroaniline	410	U
4-nitrophenol	820	U
4-nitroquinoline-1-oxide	410	UR
5-nitro-o-toluidine	410	U
7,12-dimethylbenz(a)anthracene	410	UJ
a,a-dimethylphenethylamine	410	U
Acenaphthene	410	U
Acenaphthylene	410	U
Acetophenone	410	U
Aniline	410	U
Anthracene	410	U
Aramite	410	UJ
Benzo(a)anthracene	410	U
Benzo(a)pyrene	410	U
Benzo(b)fluoranthene	410	U

PARAMETER	RESULT	QUAL
Benzo(g,h,i)perylene	410	U
Benzo(k)fluoranthene	410	U
Benzyl alcohol	410	U
Bis(2-chloroethoxy)methane	410	U
Bis(2-chloroethyl)ether	410	U
Bis(2-ethylhexyl)phthalate	410	U
Butyl benzyl phthalate	410	U
Chrysene	410	U
Di-n-butyl phthalate	410	U
Di-n-octyl phthalate	410	U
Diallate	410	U
Dibenzo(a,h)anthracene	410	UJ
Dibenzofuran	410	U
Diethyl phthalate	410	U
Dimethyl phthalate	410	U
Diphenylamine	410	U
Ethyl methacrylate	410	UJ
Ethyl methanesulfonate	410	U
Fluoranthene	410	U
Fluorene	410	U
Hexachlorobenzene	410	U
Hexachlorobutadiene	410	U
Hexachlorocyclopentadiene	410	U
Hexachloroethane	410	U
Hexachloropropene	410	U
Indeno(1,2,3-cd)pyrene	410	U
Isophorone	410	U
Isosafrole	410	U
Methapyrilene	2000	U
Methyl methanesulfonate	410	UJ
N-nitroso-di-n-butylamine	410	U
N-nitroso-di-n-propylamine	410	U
N-nitrosodiethylamine	410	U
N-nitrosodimethylamine	410	UJ
N-nitrosodiphenylamine	410	U
N-nitrosomethylethylamine	410	UJ
N-nitrosomorpholine	410	U
N-nitrosopiperidine	410	UJ
N-nitrosopyrrolidine	410	U
Naphthalene	410	U
Nitrobenzene	410	U
o,o,o-triethylphosphorothioate	410	U
o-toluidine	410	UJ
p-dimethylaminoazobenzene	410	U
p-phenylenediamine	820	UJ
Pentachlorobenzene	410	U
Pentachloroethane	410	U
Pentachloronitrobenzene	410	U
Pentachlorophenol		U
Phenacetin		U

Keywest MOD01 Supplemental RFI/RI Background Samples
Soil Data Set

PARAMETER	RESULT	QUAL
Phenanthrene	410	U
Phenol	410	U
Pronamide	410	U
Pyrene	410	U
Pyridine	410	U
Safrole	410	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	2	UJ
1,1,1-trichloroethane	2	U
1,1,2,2-tetrachloroethane	2	UJ
1,1,2-trichloroethane	2	UJ
1,1-dichloroethane	2	U
1,1-dichloroethene	2	U
1,2,3-trichloropropane	2	UJ
1,2-dibromo-3-chloropropane	2	UJ
1,2-dibromoethane	2	UJ
1,2-dichloroethane	2	U
1,2-dichloropropane	2	U
2-butanone	6	U
2-chloro-1,3-butadiene	2	UR
2-hexanone	6	UJ
3-chloropropene	12	U
4-methyl-2-pentanone	6	UJ
Acetone	6	U
Acetonitrile	12	U
Acrolein	25	UR
Acrylonitrile	25	U
Benzene	3	U
Bis(2-chloroisopropyl)ether	25	UJ
Bromodichloromethane	2	UJ
Bromoform	2	U
Bromomethane	2	U
Carbon disulfide	6	U
Carbon tetrachloride	2	U
Chlorobenzene	2	U
Chloroethane	2	U
Chloroform	2	U
Chloromethane	2	U
Cis-1,3-dichloropropene	2	UJ
Dibromochloromethane	2	U
Dibromomethane	2	U
Dichlorodifluoromethane	2	U
Ethyl cyanide	25	UR
Ethylbenzene	2	UJ
Iodomethane	6	U
Isobutanol	25	U
Methacrylonitrile	12	U
Methyl methacrylate	12	UJ
Methylene chloride	1	J
Styrene	2	UJ

PARAMETER	RESULT	QUAL
Tetrachloroethene	2	UJ
Toluene	2	UJ
Trans-1,2-dichloroethene	2	U
Trans-1,3-dichloropropene	2	UJ
Trans-1,4-dichloro-2-butene	12	UR
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl acetate	6	U
Vinyl chloride	2	U
Xylenes, total	8	UJ
BG1SS-03 BG1SS-03 B&RE 0 ft		
Inorganics (mg/kg)		
Aluminum	4250	
Antimony	0.64	U
Arsenic	2.7	
Barium	17.7	
Beryllium	0.08	U
Cadmium	0.4	U
Chromium	9.5	
Cobalt	0.43	J
Copper	15.6	J
Cyanide	0.18	U
Iron	2250	
Lead	43.5	J
Manganese	30	J
Mercury	0.07	U
Nickel	3.3	
Selenium	1.5	J
Silver	0.17	U
Thallium	1.1	UJ
Vanadium	7.8	
Zinc	36.6	J
Pesticides/PCBs (µg/kg)		
2,4,5-T	60.6	U
2,4,5-TP (silvex)	30.3	U
2,4-D	60.6	U
4,4'-DDD	10	U
4,4'-DDE	10	U
4,4'-DDT	10	U
Aldrin	5	U
alpha-BHC	5	U
Aroclor-1016	31.4	U
Aroclor-1221	31.4	U
Aroclor-1232	31.4	U
Aroclor-1242	31.4	U
Aroclor-1248	31.4	U
Aroclor-1254	31.4	U
Aroclor-1260	31.4	U
beta-BHC	5	U
Chlordane	62.7	U

PARAMETER	RESULT	QUAL
Chlorobenzilate	2500	U
delta-BHC	5	U
Dieldrin	10	U
Dimethoate	2500	UJ
Dinoseb	500	U
Disulfoton	500	U
Endosulfan I	5	U
Endosulfan II	10	U
Endosulfan sulfate	10	U
Endrin	10	U
Endrin aldehyde	10	U
Famphur	500	UJ
gamma-BHC (lindane)	5	U
Heptachlor	5	U
Heptachlor epoxide	5	U
Isodrin	500	U
Kepone	500	UJ
Methoxychlor	50.2	U
Methyl parathion	12.6	U
Parathion	12.6	U
Phorate	12.6	U
Sulfotep	500	U
Thionazin	500	U
Toxaphene	249	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	500	U
1,2,4-trichlorobenzene	500	U
1,2-dichlorobenzene	500	U
1,3,5-trinitrobenzene	2500	UJ
1,3-dichlorobenzene	500	U
1,3-dinitrobenzene	500	U
1,4-dichlorobenzene	500	U
1,4-dioxane	500	UJ
1,4-naphthoquinone	500	UJ
1-naphthylamine	500	U
2,3,4,6-tetrachlorophenol	500	U
2,4,5-trichlorophenol	500	U
2,4,6-trichlorophenol	500	U
2,4-dichlorophenol	500	U
2,4-dimethylphenol	500	U
2,4-dinitrophenol	1000	U
2,4-dinitrotoluene	500	U
2,6-dichlorophenol	500	U
2,6-dinitrotoluene	500	U
2-acetylaminofluorene	500	U
2-chloronaphthalene	500	U
2-chlorophenol	500	U
2-methyl-4,6-dinitrophenol	500	U
2-methylnaphthalene	500	U
2-methylphenol	500	U

PARAMETER	RESULT	QUAL
2-naphthylamine	500	UR
2-nitroaniline	500	U
2-nitrophenol	500	U
2-picoline	500	U
3 & 4-methylphenol	500	U
3,3'-dichlorobenzidine	2500	UJ
3,3'-dimethylbenzidine	2500	UR
3-methylcholanthrene	500	UJ
3-nitroaniline	500	UR
4-aminobiphenyl	500	U
4-bromophenyl phenyl ether	500	U
4-chloro-3-methylphenol	500	U
4-chloroaniline	500	UR
4-chlorophenyl phenyl ether	500	U
4-nitroaniline	500	U
4-nitrophenol	1000	U
4-nitroquinoline-1-oxide	500	UR
5-nitro-o-toluidine	500	U
7,12-dimethylbenz(a)anthracene	500	UJ
a,a-dimethylphenethylamine	500	U
Acenaphthene	500	U
Acenaphthylene	500	U
Acetophenone	500	U
Aniline	500	U
Anthracene	390	J
Aramite	500	UJ
Benzo(a)anthracene	500	U
Benzo(a)pyrene	500	U
Benzo(b)fluoranthene	390	J
Benzo(g,h,i)perylene	500	U
Benzo(k)fluoranthene	500	U
Benzyl alcohol	500	U
Bis(2-chloroethoxy)methane	500	U
Bis(2-chloroethyl)ether	500	U
Bis(2-ethylhexyl)phthalate	500	U
Butyl benzyl phthalate	500	U
Chrysene	280	J
Di-n-butyl phthalate	500	U
Di-n-octyl phthalate	500	U
Diallate	500	U
Dibenzo(a,h)anthracene	500	UJ
Dibenzofuran	500	U
Diethyl phthalate	500	U
Dimethyl phthalate	500	U
Diphenylamine	500	U
Ethyl methacrylate	500	UJ
Ethyl methanesulfonate	500	U
Fluoranthene	660	
Fluorene	500	U
Hexachlorobenzene	500	U

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PARAMETER	RESULT	QUAL
Hexachlorobutadiene	500	U
Hexachlorocyclopentadiene	500	U
Hexachloroethane	500	U
Hexachloropropene	500	U
Indeno(1,2,3-cd)pyrene	500	U
Isophorone	500	U
Isosafrole	500	U
Methapyrilene	2500	U
Methyl methanesulfonate	500	UJ
N-nitroso-di-n-butylamine	500	U
N-nitroso-di-n-propylamine	500	U
N-nitrosodiethylamine	500	U
N-nitrosodimethylamine	500	UJ
N-nitrosodiphenylamine	500	U
N-nitrosomethylethylamine	500	UJ
N-nitrosomorpholine	500	U
N-nitrosopiperidine	500	UJ
N-nitrosopyrrolidine	500	U
Naphthalene	500	U
Nitrobenzene	500	U
o,o,o-triethylphosphorothioate	500	U
o-toluidine	500	UJ
p-dimethylaminoazobenzene	500	U
p-phenylenediamine	1000	UJ
Pentachlorobenzene	500	U
Pentachloroethane	500	U
Pentachloronitrobenzene	500	U
Pentachlorophenol	500	U
Phenacetin	500	U
Phenanthrene	500	U
Phenol	500	U
Pronamide	500	U
Pyrene	470	J
Pyridine	500	U
Safrole	500	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	3	UJ
1,1,1-trichloroethane	3	U
1,1,2,2-tetrachloroethane	3	UJ
1,1,2-trichloroethane	3	UJ
1,1-dichloroethane	3	U
1,1-dichloroethene	3	U
1,2,3-trichloropropane	3	UJ
1,2-dibromo-3-chloropropane	3	UJ
1,2-dibromoethane	3	UJ
1,2-dichloroethane	3	U
1,2-dichloropropane	3	U
2-butanone	8	U
2-chloro-1,3-[illegible]diene	3	UR
2-hexanon[illegible]	8	UJ

PARAMETER	RESULT	QUAL
3-chloropropene	15	U
4-methyl-2-pentanone	8	UJ
Acetone	8	U
Acetonitrile	15	U
Acrolein	30	UR
Acrylonitrile	30	U
Benzene	4	U
Bis(2-chloroisopropyl)ether	30	UJ
Bromodichloromethane	3	UJ
Bromoform	3	UJ
Bromomethane	3	U
Carbon disulfide	8	U
Carbon tetrachloride	3	U
Chlorobenzene	3	UJ
Chloroethane	3	U
Chloroform	3	U
Chloromethane	3	U
Cis-1,3-dichloropropene	3	UJ
Dibromochloromethane	3	UJ
Dibromomethane	3	U
Dichlorodifluoromethane	3	U
Ethyl cyanide	30	UR
Ethylbenzene	3	UJ
Iodomethane	8	U
Isobutanol	30	U
Methacrylonitrile	15	U
Methyl methacrylate	15	UJ
Methylene chloride	2	J
Styrene	3	UJ
Tetrachloroethene	3	UJ
Toluene	3	UJ
Trans-1,2-dichloroethene	3	U
Trans-1,3-dichloropropene	3	UJ
Trans-1,4-dichloro-2-butene	15	UR
Trichloroethene	3	U
Trichlorofluoromethane	3	U
Vinyl acetate	8	U
Vinyl chloride	3	U
Xylenes, total	9	UJ
BG 2		
BG2SS-01 BG2SS-01 B&RE 0 ft		
Inorganics (mg/kg)		
Aluminum	993	
Antimony	0.58	U
Arsenic	2.7	U
Barium	9.2	
Beryllium	0.07	U
Cadmium	0.09	U
Chromium	3.2	
Cobalt	0.18	U

PARAMETER	RESULT	QUAL
Copper	1.7	
Cyanide	0.65	U
Iron	532	
Lead	0.4	U
Manganese	15	
Mercury	0.06	U
Nickel	0.63	
Selenium	1.1	U
Silver	0.16	U
Thallium	1	UJ
Tin	4.99	U
Vanadium	4.1	
Zinc	0.63	
Pesticides/PCBs (µg/kg)		
2,4,5-T	51.3	U
2,4,5-TP (silvex)	25.6	U
2,4-D	51.3	U
4,4'-DDD	8.4	U
4,4'-DDE	6.6	J
4,4'-DDT	8.4	U
Aldrin	4.2	U
Alpha-BHC	4.2	U
Aroclor-1221	26.4	U
Aroclor-1232	26.4	U
Aroclor-1242	26.4	U
Aroclor-1248	26.4	U
Aroclor-1254	26.4	U
Aroclor-1260	26.4	U
Aroclor-1260	26.4	U
Beta-BHC	4.2	U
Chlordane	52.7	U
Chlorobenzilate	2120	U
Delta-BHC	4.2	U
Dieldrin	8.4	U
Dimethoate	2120	U
Dinoseb	423	U
Disulfoton	423	U
Endosulfan I	4.2	U
Endosulfan II	8.4	U
Endosulfan sulfate	8.4	U
Endrin	8.4	U
Endrin aldehyde	8.4	U
Famphur	423	U
Gamma-BHC (lindane)	4.2	U
Heptachlor	4.2	U
Heptachlor epoxide	4.2	U
Isodrin	423	U
Kepone	423	U
Methoxychlor	42.2	U
Methyl parathion	10.5	U

PARAMETER	RESULT	QUAL
Parathion	10.5	U
Phorate	10.5	U
Sulfotep	423	U
Thionazin	423	U
Toxaphene	211	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	423	U
1,2,4-trichlorobenzene	423	U
1,2-dichlorobenzene	423	U
1,3,5-trinitrobenzene	2120	U
1,3-dichlorobenzene	423	U
1,3-dinitrobenzene	423	U
1,4-dichlorobenzene	423	U
1,4-dioxane	423	U
1,4-naphthoquinone	423	U
1-naphthylamine	423	U
2,3,4,6-tetrachlorophenol	423	U
2,4,5-trichlorophenol	423	U
2,4,6-trichlorophenol	423	U
2,4-dichlorophenol	423	U
2,4-dimethylphenol	423	U
2,4-dinitrophenol	846	U
2,4-dinitrotoluene	423	U
2,6-dichlorophenol	423	U
2,6-dinitrotoluene	423	U
2-acetylaminofluorene	423	U
2-chloronaphthalene	423	U
2-chlorophenol	423	U
2-methyl-4,6-dinitrophenol	423	U
2-methylnaphthalene	423	U
2-methylphenol	423	U
2-naphthylamine	423	UR
2-nitroaniline	423	U
2-nitrophenol	423	U
2-picoline	423	U
3 & 4-methylphenol	423	U
3,3'-dichlorobenzidine	2120	U
3,3'-dimethylbenzidine	2120	UR
3-methylcholanthrene	423	U
3-nitroaniline	423	U
4-aminobiphenyl	423	U
4-bromophenyl phenyl ether	423	U
4-chloro-3-methylphenol	423	U
4-chloroaniline	423	UR
4-chlorophenyl phenyl ether	423	U
4-nitroaniline	423	U
4-nitrophenol	423	U
4-nitroquinoline-1-oxide	423	U
5-nitro-o-toluidine	[illegible]	U
7,12-dimethylbenz(a)anthracene	[illegible]	U

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PARAMETER	RESULT	QUAL
a,a-dimethylphenethylamine	423	UR
Acenaphthene	423	U
Acenaphthylene	423	U
Acetophenone	423	U
Aniline	423	U
Anthracene	423	U
Aramite	423	U
Benzo(a)anthracene	423	U
Benzo(a)pyrene	423	U
Benzo(b)fluoranthene	423	U
Benzo(g,h,i)perylene	423	U
Benzo(k)fluoranthene	423	U
Benzyl alcohol	423	U
Bis(2-chloroethoxy)methane	423	U
Bis(2-chloroethyl)ether	423	U
Bis(2-ethylhexyl)phthalate	423	U
Butyl benzyl phthalate	423	U
Chrysene	423	U
Di-n-butyl phthalate	423	U
Di-n-octyl phthalate	423	U
Diallate	423	U
Dibenzo(a,h)anthracene	423	U
Dibenzofuran	423	U
Diethyl phthalate	423	U
Dimethyl phthalate	423	U
Diphenylamine	423	U
Ethyl methacrylate	423	U
Ethyl methanesulfonate	423	U
Fluoranthene	423	U
Fluorene	423	U
Hexachlorobenzene	423	U
Hexachlorobutadiene	423	U
Hexachlorocyclopentadiene	423	U
Hexachloroethane	423	U
Hexachloropropene	423	U
Indeno(1,2,3-cd)pyrene	423	U
Isophorone	423	U
Isosafrole	423	U
Methapyrilene	2120	U
Methyl methanesulfonate	423	U
N-nitroso-di-n-butylamine	423	U
N-nitroso-di-n-propylamine	423	U
N-nitrosodiethylamine	423	U
N-nitrosodimethylamine	423	U
N-nitrosodiphenylamine	423	U
N-nitrosomethylethylamine	423	U
N-nitrosomorpholine	423	U
N-nitrosopiperidine	423	U
N-nitrosopyrrolidine	423	U
Naphthalene	423	U

PARAMETER	RESULT	QUAL
Nitrobenzene	423	U
o,o,o-triethylphosphorothioate	423	U
o-toluidine	423	U
p-dimethylaminoazobenzene	423	U
p-phenylenediamine	846	U
Pentachlorobenzene	423	U
Pentachloroethane	423	U
Pentachloronitrobenzene	423	U
Pentachlorophenol	423	U
Phenacetin	423	U
Phenanthrene	423	U
Phenol	423	U
Pronamide	423	U
Pyrene	423	U
Pyridine	423	U
Safrole	423	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	3	U
1,1,1-trichloroethane	3	U
1,1,2,2-tetrachloroethane	3	U
1,1,2-trichloroethane	3	U
1,1-dichloroethane	3	U
1,1-dichloroethene	3	U
1,2,3-trichloropropane	3	U
1,2-dibromo-3-chloropropane	3	U
1,2-dibromoethane	3	U
1,2-dichloroethane	3	U
1,2-dichloropropane	3	U
2-butanone	6	U
2-chloro-1,3-butadiene	3	U
2-hexanone	6	U
3-chloropropene	13	U
4-methyl-2-pentanone	6	U
Acetone	3	U
Acetonitrile	13	U
Acrolein	26	UR
Acrylonitrile	26	U
Benzene	3	U
Bis(2-chloroisopropyl)ether	26	U
Bromodichloromethane	3	U
Bromoform	3	U
Bromomethane	3	U
Carbon disulfide	6	U
Carbon tetrachloride	3	U
Chlorobenzene	3	U
Chloroethane	3	U
Chloroform	3	U
Chloromethane	3	U
Cis-1,3-dichloropropene	3	U
Dibromochloromethane	3	U

PARAMETER	RESULT	QUAL
Dibromomethane	3	U
Dichlorodifluoromethane	3	U
Ethyl cyanide	26	UR
Ethylbenzene	3	U
Iodomethane	6	U
Isobutanol	26	U
Methacrylonitrile	13	U
Methyl methacrylate	13	U
Methylene chloride	3	U
Styrene	3	U
Tetrachloroethene	3	U
Toluene	3	U
Trans-1,2-dichloroethene	3	U
Trans-1,3-dichloropropene	3	U
Trans-1,4-dichloro-2-butene	13	U
Trichloroethene	3	U
Trichlorofluoromethane	3	U
Vinyl acetate	6	U
Vinyl chloride	3	U
Xylenes, total	8	U
BG2SS-02 BG2SS-02 B&RE 0 ft		
Inorganics (mg/kg)		
Aluminum	145	
Antimony	0.42	U
Arsenic	1.8	
Barium	7.3	J
Beryllium	0.05	U
Cadmium	0.07	U
Chromium	1.9	
Cobalt	0.13	U
Copper	4	J
Cyanide	0.07	U
Iron	758	
Lead	34.4	J
Manganese	5.5	J
Mercury	0.05	U
Nickel	0.68	U
Selenium	0.78	UJ
Silver	0.11	U
Thallium	0.74	UJ
Vanadium	2.1	
Zinc	3.8	J
Pesticides/PCBs (µg/kg)		
2,4,5-T	43.5	U
2,4,5-TP (silvex)	21.7	U
2,4-D	43.5	U
4,4'-DDD	1.4	UJ
4,4'-DDE	1.4	UJ
4,4'-DDT	9.3	J
Aldrin	0.72	UJ

PARAMETER	RESULT	QUAL
alpha-BHC	0.72	UJ
Aroclor-1016	4.5	UJ
Aroclor-1221	4.5	UJ
Aroclor-1232	4.5	UJ
Aroclor-1242	4.5	UJ
Aroclor-1248	4.5	UJ
Aroclor-1254	4.5	UJ
Aroclor-1260	4.5	UJ
beta-BHC	0.72	UJ
Chlordane	9	UJ
Chlorobenzilate	1800	U
delta-BHC	0.72	UJ
Dieldrin	1.4	UJ
Dimethoate	1800	UJ
Dinoseb	360	U
Disulfoton	360	U
Endosulfan I	0.72	UJ
Endosulfan II	1.4	UJ
Endosulfan sulfate	1.4	UJ
Endrin	1.4	UJ
Endrin aldehyde	1.4	UJ
Famphur	360	UJ
gamma-BHC (lindane)	0.72	UJ
Heptachlor	0.72	UJ
Heptachlor epoxide	0.72	UJ
Isodrin	360	U
Kepone	360	UJ
Methoxychlor	7.2	UJ
Methyl parathion	2.2	J
Parathion	1.8	UJ
Phorate	1.8	UJ
Sulfotep	360	U
Thionazin	360	U
Toxaphene	35.7	UJ
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	360	U
1,2,4-trichlorobenzene	360	U
1,2-dichlorobenzene	360	U
1,3,5-trinitrobenzene	1800	UJ
1,3-dichlorobenzene	360	U
1,3-dinitrobenzene	360	U
1,4-dichlorobenzene	360	U
1,4-dioxane	360	UJ
1,4-naphthoquinone	360	UJ
1-naphthylamine	360	U
2,3,4,6-tetrachlorophenol	360	U
2,4,5-trichlorophenol	360	U
2,4,6-trichlorophenol	360	U
2,4-dichlorophenol	360	U
2,4-dimethylphenol	360	U

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PARAMETER	RESULT	QUAL
2,4-dinitrophenol	720	U
2,4-dinitrotoluene	360	U
2,6-dichlorophenol	360	U
2,6-dinitrotoluene	360	U
2-acetylaminofluorene	360	U
2-chloronaphthalene	360	U
2-chlorophenol	360	U
2-methyl-4,6-dinitrophenol	360	U
2-methylnaphthalene	360	U
2-methylphenol	360	U
2-naphthylamine	360	UR
2-nitroaniline	360	U
2-nitrophenol	360	U
2-picoline	360	U
3 & 4-methylphenol	360	U
3,3'-dichlorobenzidine	1800	UJ
3,3'-dimethylbenzidine	1800	UR
3-methylcholanthrene	360	UJ
3-nitroaniline	360	UR
4-aminobiphenyl	360	U
4-bromophenyl phenyl ether	360	U
4-chloro-3-methylphenol	360	U
4-chloroaniline	360	UR
4-chlorophenyl phenyl ether	360	U
4-nitroaniline	360	U
4-nitrophenol	720	U
4-nitroquinoline-1-oxide	360	UR
5-nitro-o-toluidine	360	U
7,12-dimethylbenz(a)anthracene	360	UJ
a,a-dimethylphenethylamine	360	U
Acenaphthene	360	U
Acenaphthylene	360	U
Acetophenone	360	U
Aniline	360	U
Anthracene	360	U
Aramite	360	UJ
Benzo(a)anthracene	360	U
Benzo(a)pyrene	360	U
Benzo(b)fluoranthene	360	U
Benzo(g,h,i)perylene	360	U
Benzo(k)fluoranthene	360	U
Benzyl alcohol	360	U
Bis(2-chloroethoxy)methane	360	U
Bis(2-chloroethyl)ether	360	U
Bis(2-ethylhexyl)phthalate	360	U
Butyl benzyl phthalate	360	U
Chrysene	360	U
Di-n-butyl phthalate	360	U
Di-n-octyl ph[illegible]	360	U
Diallate	360	U

PARAMETER	RESULT	QUAL
Dibenzo(a,h)anthracene	360	UJ
Dibenzofuran	360	U
Diethyl phthalate	360	U
Dimethyl phthalate	360	U
Diphenylamine	360	U
Ethyl methacrylate	360	UJ
Ethyl methanesulfonate	360	U
Fluoranthene	360	U
Fluorene	360	U
Hexachlorobenzene	360	U
Hexachlorobutadiene	360	U
Hexachlorocyclopentadiene	360	U
Hexachloroethane	360	U
Hexachloropropene	360	U
Indeno(1,2,3-cd)pyrene	360	U
Isophorone	360	U
Isosafrole	360	U
Methapyrilene	1800	U
Methyl methanesulfonate	360	UJ
N-nitroso-di-n-butylamine	360	U
N-nitroso-di-n-propylamine	360	U
N-nitrosodiethylamine	360	U
N-nitrosodimethylamine	360	UJ
N-nitrosodiphenylamine	360	U
N-nitrosomethylethylamine	360	UJ
N-nitrosomorpholine	360	U
N-nitrosopiperidine	360	UJ
N-nitrosopyrrolidine	360	U
Naphthalene	360	U
Nitrobenzene	360	U
o,o,o-triethylphosphorothioate	360	U
o-toluidine	360	UJ
p-dimethylaminoazobenzene	360	U
p-phenylenediamine	720	UJ
Pentachlorobenzene	360	U
Pentachloroethane	360	U
Pentachloronitrobenzene	360	U
Pentachlorophenol	360	U
Phenacetin	360	U
Phenanthrene	360	U
Phenol	360	U
Pronamide	360	U
Pyrene	360	U
Pyridine	360	U
Safrole	360	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	2	U
1,1,1-trichloroethane	2	U
1,1,2,2-tetrachloroethane	2	U
1,1,2-trichloroethane	2	U

PARAMETER	RESULT	QUAL
1,1-dichloroethane	2	U
1,1-dichloroethene	2	U
1,2,3-trichloropropane	2	U
1,2-dibromo-3-chloropropane	2	U
1,2-dibromoethane	2	U
1,2-dichloroethane	2	U
1,2-dichloropropane	2	U
2-butanone	5	U
2-chloro-1,3-butadiene	2	UR
2-hexanone	5	U
3-chloropropene	11	U
4-methyl-2-pentanone	5	U
Acetone	5	U
Acetonitrile	11	U
Acrolein	22	UR
Acrylonitrile	22	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	22	U
Bromodichloromethane	2	U
Bromoform	2	U
Bromomethane	2	U
Carbon disulfide	5	U
Carbon tetrachloride	2	U
Chlorobenzene	2	U
Chloroethane	2	U
Chloroform	2	U
Chloromethane	2	U
Cis-1,3-dichloropropene	2	UJ
Dibromochloromethane	2	U
Dibromomethane	2	U
Dichlorodifluoromethane	2	U
Ethyl cyanide	22	UR
Ethylbenzene	2	U
Iodomethane	5	U
Isobutanol	22	U
Methacrylonitrile	11	U
Methyl methacrylate	11	U
Methylene chloride	5	U
Styrene	2	UJ
Tetrachloroethene	2	U
Toluene	2	U
Trans-1,2-dichloroethene	2	U
Trans-1,3-dichloropropene	2	U
Trans-1,4-dichloro-2-butene	11	UR
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl acetate	5	U
Vinyl chloride	2	U
Xylenes, total	7	UJ
BG2SS-03 BG2SS-03 B&RE 2 ft		

PARAMETER	RESULT	QUAL
Inorganics (mg/kg)		
Aluminum	120	
Antimony	0.6	U
Arsenic	1.1	U
Barium	7.9	
Beryllium	0.07	U
Cadmium	0.12	U
Chromium	2	
Cobalt	0.18	U
Copper	2.2	J
Cyanide	0.25	U
Iron	118	
Lead	1.4	J
Manganese	6.1	J
Mercury	0.05	U
Nickel	0.44	U
Selenium	1.1	UJ
Silver	0.16	U
Thallium	1	UJ
Vanadium	1	
Zinc	2.5	J
Pesticides/PCBs (µg/kg)		
2,4,5-T	60.6	U
2,4,5-TP (silvex)	30.3	U
2,4-D	60.6	U
4,4'-DDD	40	UJ
4,4'-DDE	40	UJ
4,4'-DDT	40	UJ
Aldrin	20	UJ
alpha-BHC	20	UJ
Aroclor-1016	125	UJ
Aroclor-1221	125	UJ
Aroclor-1232	125	UJ
Aroclor-1242	125	UJ
Aroclor-1248	125	UJ
Aroclor-1254	125	UJ
Aroclor-1260	125	UJ
beta-BHC	20	UJ
Chlordane	250	UJ
Chlorobenzilate	2500	U
delta-BHC	20	UJ
Dieldrin	40	UJ
Dimethoate	2500	UJ
Dinoseb	500	U
Disulfoton	500	U
Endosulfan I	20	UJ
Endosulfan II	40	UJ
Endosulfan sulfate	40	UJ
Endrin		UJ
Endrin aldehyde		UJ

Keywest MOD01 Supplemental RFI/RI Background Samples
Soil Data Set

PARAMETER	RESULT	QUAL
Famphur	500	UJ
gamma-BHC (lindane)	20	UJ
Heptachlor	20	UJ
Heptachlor epoxide	20	UJ
Isodrin	500	U
Kepone	500	UJ
Methoxychlor	200	UJ
Methyl parathion	50.1	UJ
Parathion	50.1	UJ
Phorate	50.1	UJ
Sulfotep	500	U
Thionazin	500	U
Toxaphene	992	UJ
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	500	U
1,2,4-trichlorobenzene	500	U
1,2-dichlorobenzene	500	U
1,3,5-trinitrobenzene	2500	UJ
1,3-dichlorobenzene	500	U
1,3-dinitrobenzene	500	U
1,4-dichlorobenzene	500	U
1,4-dioxane	500	UJ
1,4-naphthoquinone	500	UJ
1-naphthylamine	500	U
2,3,4,6-tetrachlorophenol	500	U
2,4,5-trichlorophenol	500	U
2,4,6-trichlorophenol	500	U
2,4-dichlorophenol	500	U
2,4-dimethylphenol	500	U
2,4-dinitrophenol	1000	U
2,4-dinitrotoluene	500	U
2,6-dichlorophenol	500	U
2,6-dinitrotoluene	500	U
2-acetylaminofluorene	500	U
2-chloronaphthalene	500	U
2-chlorophenol	500	U
2-methyl-4,6-dinitrophenol	500	U
2-methylnaphthalene	500	U
2-methylphenol	500	U
2-naphthylamine	500	UR
2-nitroaniline	500	U
2-nitrophenol	500	U
2-picoline	500	U
3 & 4-methylphenol	500	U
3,3'-dichlorobenzidine	2500	UJ
3,3'-dimethylbenzidine	2500	UR
3-methylcholanthrene	500	UJ
3-nitroaniline	500	UR
4-aminobiphenyl	500	U
4-bromophenyl phenyl ether	500	U

PARAMETER	RESULT	QUAL
4-chloro-3-methylphenol	500	U
4-chloroaniline	500	UR
4-chlorophenyl phenyl ether	500	U
4-nitroaniline	500	U
4-nitrophenol	1000	U
4-nitroquinoline-1-oxide	500	UR
5-nitro-o-toluidine	500	U
7,12-dimethylbenz(a)anthracene	500	UJ
a,a-dimethylphenethylamine	500	U
Acenaphthene	500	U
Acenaphthylene	500	U
Acetophenone	500	U
Aniline	500	U
Anthracene	500	U
Aramite	500	UJ
Benzo(a)anthracene	500	U
Benzo(a)pyrene	500	U
Benzo(b)fluoranthene	500	U
Benzo(g,h,i)perylene	500	U
Benzo(k)fluoranthene	500	U
Benzyl alcohol	500	U
Bis(2-chloroethoxy)methane	500	U
Bis(2-chloroethyl)ether	500	U
Bis(2-ethylhexyl)phthalate	500	U
Butyl benzyl phthalate	500	U
Chrysene	500	U
Di-n-butyl phthalate	500	U
Di-n-octyl phthalate	500	U
Diallate	500	U
Dibenzo(a,h)anthracene	500	UJ
Dibenzofuran	500	U
Diethyl phthalate	500	U
Dimethyl phthalate	500	U
Diphenylamine	500	U
Ethyl methacrylate	500	UJ
Ethyl methanesulfonate	500	U
Fluoranthene	500	U
Fluorene	500	U
Hexachlorobenzene	500	U
Hexachlorobutadiene	500	U
Hexachlorocyclopentadiene	500	U
Hexachloroethane	500	U
Hexachloropropene	500	U
Indeno(1,2,3-cd)pyrene	500	U
Isophorone	500	U
Isosafrole	500	U
Methapyrilene	2500	U
Methyl methanesulfonate	500	UJ
N-nitroso-di-n-butylamine	500	U
N-nitroso-di-n-propylamine	500	U

PARAMETER	RESULT	QUAL
N-nitrosodiethylamine	500	U
N-nitrosodimethylamine	500	UJ
N-nitrosodiphenylamine	500	U
N-nitrosomethylethylamine	500	UJ
N-nitrosomorpholine	500	U
N-nitrosopiperidine	500	UJ
N-nitrosopyrrolidine	500	U
Naphthalene	500	U
Nitrobenzene	500	U
o,o,o-triethylphosphorothioate	500	U
o-toluidine	500	UJ
p-dimethylaminoazobenzene	500	U
p-phenylenediamine	1000	UJ
Pentachlorobenzene	500	U
Pentachloroethane	500	U
Pentachloronitrobenzene	500	U
Pentachlorophenol	500	U
Phenacetin	500	U
Phenanthrene	500	U
Phenol	500	U
Pronamide	500	U
Pyrene	500	U
Pyridine	500	U
Safrole	500	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	3	U
1,1,1-trichloroethane	3	U
1,1,2,2-tetrachloroethane	3	U
1,1,2-trichloroethane	3	U
1,1-dichloroethane	3	U
1,1-dichloroethene	3	U
1,2,3-trichloropropane	3	U
1,2-dibromo-3-chloropropane	3	U
1,2-dibromoethane	3	U
1,2-dichloroethane	3	U
1,2-dichloropropane	3	U
2-butanone	8	U
2-chloro-1,3-butadiene	3	UR
2-hexanone	8	U
3-chloropropene	15	U
4-methyl-2-pentanone	8	U
Acetone	8	U
Acetonitrile	15	U
Acrolein	30	UR
Acrylonitrile	30	U
Benzene	3	U
Bis(2-chloroisopropyl)ether	30	U
Bromodichloromethane	3	U
Bromoform	3	U
Bromomethane	3	U

PARAMETER	RESULT	QUAL
Carbon disulfide	8	U
Carbon tetrachloride	3	U
Chlorobenzene	3	U
Chloroethane	3	U
Chloroform	3	U
Chloromethane	3	U
Cis-1,3-dichloropropene	3	UJ
Dibromochloromethane	3	U
Dibromomethane	3	U
Dichlorodifluoromethane	3	U
Ethyl cyanide	30	UR
Ethylbenzene	3	U
Iodomethane	8	U
Isobutanol	30	U
Methacrylonitrile	15	U
Methyl methacrylate	15	U
Methylene chloride	1	J
Styrene	3	U
Tetrachloroethene	3	UJ
Toluene	3	U
Trans-1,2-dichloroethene	3	U
Trans-1,3-dichloropropene	3	U
Trans-1,4-dichloro-2-butene	15	UR
Trichloroethene	3	U
Trichlorofluoromethane	3	U
Vinyl acetate	8	U
Vinyl chloride	3	U
Xylenes, total	9	UJ

BG 3

BG3SS-01	BG3SS-01	B&RE	0 ft
Inorganics (mg/kg)			
Aluminum		1640	
Antimony		0.67	U
Arsenic		2.6	U
Barium		11.2	
Beryllium		0.08	U
Cadmium		0.27	
Chromium		9.3	
Cobalt		0.33	
Copper		9.7	
Cyanide		0.55	U
Iron		2260	
Lead		48.3	
Manganese		25.9	
Mercury		0.08	
Nickel		2	
Selenium		1.8	
Silver		0.18	U
Thallium		1.2	UJ
Vanadium		3.6	

Keywest MOD01 Supplemental RFI/RI Background Samples
Soil Data Set

PARAMETER	RESULT	QUAL
Zinc	89.1	
Pesticides/PCBs (µg/kg)		
2,4,5-T	64.5	U
2,4,5-TP (silvex)	32.2	U
2,4-D	64.5	U
4,4'-DDD	21.3	U
4,4'-DDE	21.3	U
4,4'-DDT	21.3	U
Aldrin	10.6	U
Alpha-BHC	10.6	U
Aroclor-1221	66.5	U
Aroclor-1232	66.5	U
Aroclor-1242	66.5	U
Aroclor-1248	66.5	U
Aroclor-1254	66.5	U
Aroclor-1260	66.5	U
Aroclor-1260	66.5	U
Beta-BHC	10.6	U
Chlordane	133	U
Chlorobenzilate	26800	U
Delta-BHC	10.6	U
Dieldrin	21.3	U
Dimethoate	26800	U
Dinoseb	5370	U
Disulfoton	5370	U
Endosulfan I	10.6	U
Endosulfan II	21.3	U
Endosulfan sulfate	21.3	U
Endrin	21.3	U
Endrin aldehyde	21.3	U
Famphur	5370	U
Gamma-BHC (lindane)	10.6	U
Heptachlor	10.6	U
Heptachlor epoxide	10.6	U
Isodrin	5370	U
Kepone	5370	U
Methoxychlor	106	U
Methyl parathion	26.6	U
Parathion	26.6	U
Phorate	26.6	U
Sulfotep	5370	U
Thionazin	5370	U
Toxaphene	532	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	5370	U
1,2,4-trichlorobenzene	5370	U
1,2-dichlorobenzene	5370	U
1,3,5-trinitrobenzene	26800	U
1,3-dichlorobenzene	5370	U
1,3-dinitrob	5370	U

PARAMETER	RESULT	QUAL
1,4-dichlorobenzene	5370	U
1,4-dioxane	5370	U
1,4-naphthoquinone	5370	U
1-naphthylamine	5370	U
2,3,4,6-tetrachlorophenol	5370	U
2,4,5-trichlorophenol	5370	U
2,4,6-trichlorophenol	5370	U
2,4-dichlorophenol	5370	U
2,4-dimethylphenol	5370	U
2,4-dinitrophenol	10700	U
2,4-dinitrotoluene	5370	U
2,6-dichlorophenol	5370	U
2,6-dinitrotoluene	5370	U
2-acetylaminofluorene	5370	U
2-chloronaphthalene	5370	U
2-chlorophenol	5370	U
2-methyl-4,6-dinitrophenol	5370	U
2-methylnaphthalene	5370	U
2-methylphenol	5370	U
2-naphthylamine	5370	UR
2-nitroaniline	5370	U
2-nitrophenol	5370	U
2-picoline	5370	U
3 & 4-methylphenol	5370	U
3,3'-dichlorobenzidine	26800	U
3,3'-dimethylbenzidine	26800	UR
3-methylcholanthrene	5370	U
3-nitroaniline	5370	U
4-aminobiphenyl	5370	U
4-bromophenyl phenyl ether	5370	U
4-chloro-3-methylphenol	5370	U
4-chloroaniline	5370	U
4-chlorophenyl phenyl ether	5370	U
4-nitroaniline	5370	U
4-nitrophenol	5370	U
4-nitroquinoline-1-oxide	5370	U
5-nitro-o-toluidine	5370	U
7,12-dimethylbenz(a)anthracene	5370	U
a,a-dimethylphenethylamine	5370	U
Acenaphthene	5370	U
Acenaphthylene	5370	U
Acetophenone	5370	U
Aniline	5370	U
Anthracene	5370	U
Aramite	5370	U
Benzo(a)anthracene	5370	U
Benzo(a)pyrene	5370	U
Benzo(b)fluoranthene	5370	U
Benzo(g,h,i)perylene	5370	U
Benzo(k)fluoranthene	5370	U

PARAMETER	RESULT	QUAL
Benzyl alcohol	5370	U
Bis(2-chloroethoxy)methane	5370	U
Bis(2-chloroethyl)ether	5370	U
Bis(2-ethylhexyl)phthalate	5370	U
Butyl benzyl phthalate	5370	U
Chrysene	5370	U
Di-n-butyl phthalate	5370	U
Di-n-octyl phthalate	5370	U
Diallate	5370	U
Dibenzo(a,h)anthracene	5370	U
Dibenzofuran	5370	U
Diethyl phthalate	5370	U
Dimethyl phthalate	5370	U
Diphenylamine	5370	U
Ethyl methacrylate	5370	U
Ethyl methanesulfonate	5370	U
Fluoranthene	5370	U
Fluorene	5370	U
Hexachlorobenzene	5370	U
Hexachlorobutadiene	5370	U
Hexachlorocyclopentadiene	5370	U
Hexachloroethane	5370	U
Hexachloropropene	5370	U
Indeno(1,2,3-cd)pyrene	5370	U
Isophorone	5370	U
Isosafrole	5370	U
Methapyrilene	26800	U
Methyl methanesulfonate	5370	U
N-nitroso-di-n-butylamine	5370	U
N-nitroso-di-n-propylamine	5370	U
N-nitrosodiethylamine	5370	U
N-nitrosodimethylamine	5370	U
N-nitrosodiphenylamine	5370	U
N-nitrosomethylethylamine	5370	U
N-nitrosomorpholine	5370	U
N-nitrosopiperidine	5370	U
N-nitrosopyrrolidine	5370	U
Naphthalene	5370	U
Nitrobenzene	5370	U
o,o,o-triethylphosphorothioate	5370	U
o-toluidine	5370	U
p-dimethylaminoazobenzene	5370	U
p-phenylenediamine	10700	U
Pentachlorobenzene	5370	U
Pentachloroethane	5370	U
Pentachloronitrobenzene	5370	U
Pentachlorophenol	5370	U
Phenacetin	5370	U
Phenanthrene	5370	U
Phenol	5370	U

PARAMETER	RESULT	QUAL
Pronamide	5370	U
Pyrene	5370	U
Pyridine	5370	U
Safrole	5370	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	3	U
1,1,1-trichloroethane	3	U
1,1,2,2-tetrachloroethane	4	
1,1,2-trichloroethane	3	U
1,1-dichloroethane	3	U
1,1-dichloroethene	3	U
1,2,3-trichloropropane	3	U
1,2-dibromo-3-chloropropane	3	U
1,2-dibromoethane	3	U
1,2-dichloroethane	3	U
1,2-dichloropropane	3	U
2-butanone	8	U
2-chloro-1,3-butadiene	3	UR
2-hexanone	2	J
3-chloropropene	16	U
4-methyl-2-pentanone	8	U
Acetone	3	U
Acetonitrile	16	U
Acrolein	32	UR
Acrylonitrile	32	U
Benzene	3	U
Bis(2-chloroisopropyl)ether	21	J
Bromodichloromethane	3	U
Bromoform	3	U
Bromomethane	3	U
Carbon disulfide	8	U
Carbon tetrachloride	3	U
Chlorobenzene	3	U
Chloroethane	3	U
Chloroform	1	J
Chloromethane	3	U
Cis-1,3-dichloropropene	3	U
Dibromochloromethane	3	U
Dibromomethane	3	U
Dichlorodifluoromethane	3	U
Ethyl cyanide	32	UR
Ethylbenzene	3	U
Iodomethane	8	U
Isobutanol	32	U
Methacrylonitrile	16	U
Methyl methacrylate	16	U
Methylene chloride	1	J
Styrene	3	U
Tetrachloroethene	[illegible]	U
Toluene		U

Keywest MOD01 Supplemental RFI/RI Background Samples
Soil Data Set

PARAMETER	RESULT	QUAL
Trans-1,2-dichloroethene	3	U
Trans-1,3-dichloropropene	3	U
Trans-1,4-dichloro-2-butene	16	UR
Trichloroethene	3	U
Trichlorofluoromethane	3	U
Vinyl acetate	8	U
Vinyl chloride	3	U
Xylenes, total	10	U
BG3SS-02 BG3SS-02 B&RE 0 ft		
Inorganics (mg/kg)		
Aluminum	216	
Antimony	0.48	U
Arsenic	0.91	U
Barium	6.5	
Beryllium	0.06	U
Cadmium	0.07	U
Chromium	2.1	
Cobalt	0.15	U
Copper	2.3	J
Cyanide	0.31	U
Iron	98.1	
Lead	0.82	J
Manganese	2.6	J
Mercury	0.06	U
Nickel	0.76	U
Selenium	0.89	UJ
Silver	0.13	U
Thallium	0.83	UJ
Vanadium	0.8	
Zinc	4.1	J
Pesticides/PCBs (µg/kg)		
2,4,5-T	48.2	U
2,4,5-TP (silvex)	24.1	U
2,4-D	48.2	U
4,4'-DDD	1.6	U
4,4'-DDE	1.6	U
4,4'-DDT	1.6	U
Aldrin	0.79	U
alpha-BHC	0.79	U
Aroclor-1016	5	U
Aroclor-1221	5	U
Aroclor-1232	5	U
Aroclor-1242	5	U
Aroclor-1248	5	U
Aroclor-1254	5	U
Aroclor-1260	5	U
beta-BHC	0.79	U
Chlordane	9.9	U
Chlorobenzilate	2000	U
delta-BHC	0.79	U

PARAMETER	RESULT	QUAL
Dieldrin	1.6	U
Dimethoate	2000	UJ
Dinoseb	400	U
Disulfoton	400	U
Endosulfan I	0.79	U
Endosulfan II	1.6	U
Endosulfan sulfate	1.6	U
Endrin	1.6	U
Endrin aldehyde	1.6	U
Famphur	400	UJ
gamma-BHC (lindane)	0.79	U
Heptachlor	0.79	U
Heptachlor epoxide	0.79	U
Isodrin	400	U
Kepone	400	UJ
Methoxychlor	7.9	U
Methyl parathion	2	U
Parathion	2	U
Phorate	2	U
Sulfotep	400	U
Thionazin	400	U
Toxaphene	39.3	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	400	U
1,2,4-trichlorobenzene	400	U
1,2-dichlorobenzene	400	U
1,3,5-trinitrobenzene	2000	UJ
1,3-dichlorobenzene	400	U
1,3-dinitrobenzene	400	U
1,4-dichlorobenzene	400	U
1,4-dioxane	400	UJ
1,4-naphthoquinone	400	UJ
1-naphthylamine	400	U
2,3,4,6-tetrachlorophenol	400	U
2,4,5-trichlorophenol	400	U
2,4,6-trichlorophenol	400	U
2,4-dichlorophenol	400	U
2,4-dimethylphenol	400	U
2,4-dinitrophenol	800	U
2,4-dinitrotoluene	400	U
2,6-dichlorophenol	400	U
2,6-dinitrotoluene	400	U
2-acetylaminofluorene	400	U
2-chloronaphthalene	400	U
2-chlorophenol	400	U
2-methyl-4,6-dinitrophenol	400	U
2-methylnaphthalene	400	U
2-methylphenol	400	U
2-naphthylamine	400	UR
2-nitroaniline	400	U

PARAMETER	RESULT	QUAL
2-nitrophenol	400	U
2-picoline	400	U
3 & 4-methylphenol	400	U
3,3'-dichlorobenzidine	2000	UJ
3,3'-dimethylbenzidine	2000	UR
3-methylcholanthrene	400	UJ
3-nitroaniline	400	UR
4-aminobiphenyl	400	U
4-bromophenyl phenyl ether	400	U
4-chloro-3-methylphenol	400	U
4-chloroaniline	400	UR
4-chlorophenyl phenyl ether	400	U
4-nitroaniline	400	U
4-nitrophenol	800	U
4-nitroquinoline-1-oxide	400	UR
5-nitro-o-toluidine	400	U
7,12-dimethylbenz(a)anthracene	400	UJ
a,a-dimethylphenethylamine	400	U
Acenaphthene	400	U
Acenaphthylene	400	U
Acetophenone	400	U
Aniline	400	U
Anthracene	400	U
Aramite	400	UJ
Benzo(a)anthracene	400	U
Benzo(a)pyrene	400	U
Benzo(b)fluoranthene	400	U
Benzo(g,h,i)perylene	400	U
Benzo(k)fluoranthene	400	U
Benzyl alcohol	400	U
Bis(2-chloroethoxy)methane	400	U
Bis(2-chloroethyl)ether	400	U
Bis(2-ethylhexyl)phthalate	400	U
Butyl benzyl phthalate	400	U
Chrysene	400	U
Di-n-butyl phthalate	400	U
Di-n-octyl phthalate	400	U
Diallate	400	U
Dibenzo(a,h)anthracene	400	UJ
Dibenzofuran	400	U
Diethyl phthalate	400	U
Dimethyl phthalate	400	U
Diphenylamine	400	U
Ethyl methacrylate	400	UJ
Ethyl methanesulfonate	400	U
Fluoranthene	400	U
Fluorene	400	U
Hexachlorobenzene	400	U
Hexachlorobutadiene	400	U
Hexachlorocyclopentadiene	400	U

PARAMETER	RESULT	QUAL
Hexachloroethane	400	U
Hexachloropropene	400	U
Indeno(1,2,3-cd)pyrene	400	U
Isophorone	400	U
Isosafrole	400	U
Methapyrilene	2000	U
Methyl methanesulfonate	400	UJ
N-nitroso-di-n-butylamine	400	U
N-nitroso-di-n-propylamine	400	U
N-nitrosodiethylamine	400	U
N-nitrosodimethylamine	400	UJ
N-nitrosodiphenylamine	400	U
N-nitrosomethylethylamine	400	UJ
N-nitrosomorpholine	400	U
N-nitrosopiperidine	400	UJ
N-nitrosopyrrolidine	400	U
Naphthalene	400	U
Nitrobenzene	400	U
o,o,o-triethylphosphorothioate	400	U
o-toluidine	400	UJ
p-dimethylaminoazobenzene	400	U
p-phenylenediamine	800	UJ
Pentachlorobenzene	400	U
Pentachloroethane	400	U
Pentachloronitrobenzene	400	U
Pentachlorophenol	400	U
Phenacetin	400	U
Phenanthrene	400	U
Phenol	400	U
Pronamide	400	U
Pyrene	400	U
Pyridine	400	U
Safrole	400	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	2	U
1,1,1-trichloroethane	2	U
1,1,2,2-tetrachloroethane	2	U
1,1,2-trichloroethane	2	U
1,1-dichloroethane	2	U
1,1-dichloroethene	2	U
1,2,3-trichloropropane	2	U
1,2-dibromo-3-chloropropane	2	U
1,2-dibromoethane	2	U
1,2-dichloroethane	2	U
1,2-dichloropropane	2	U
2-butanone	6	U
2-chloro-1,3-butadiene	2	U
2-hexanone	6	U
3-chloropropene	12	U
4-methyl-2-pentanone	6	U

Keywest MOD01 Supplemental RFI/RI Background Samples
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PARAMETER	RESULT	QUAL
Acetone	6	U
Acetonitrile	12	U
Acrolein	24	UR
Acrylonitrile	24	U
Benzene	3	U
Bis(2-chloroisopropyl)ether	24	U
Bromodichloromethane	2	U
Bromoform	2	U
Bromomethane	2	U
Carbon disulfide	6	U
Carbon tetrachloride	2	U
Chlorobenzene	2	U
Chloroethane	2	U
Chloroform	2	U
Chloromethane	2	U
Cis-1,3-dichloropropene	2	U
Dibromochloromethane	2	U
Dibromomethane	2	U
Dichlorodifluoromethane	2	U
Ethyl cyanide	24	UR
Ethylbenzene	2	U
Iodomethane	6	U
Isobutanol	24	U
Methacrylonitrile	12	U
Methyl methacrylate	12	U
Methylene chloride	6	U
Styrene	2	U
Tetrachloroethene	2	U
Toluene	2	U
Trans-1,2-dichloroethene	2	U
Trans-1,3-dichloropropene	2	U
Trans-1,4-dichloro-2-butene	12	UR
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl acetate	6	U
Vinyl chloride	2	U
Xylenes, total	7	UJ

BG 4

B4SB	B4SB	B&RE	0 ft
Inorganics (mg/kg)			
Aluminum		379	
Antimony		0.5	UJ
Arsenic		1.1	U
Barium		4.9	
Beryllium		0.02	U
Cadmium		0.08	U
Chromium		4.9	
Cobalt		0.25	U
Copper		7.4	
Cyanide		0.09	UJ

PARAMETER	RESULT	QUAL
Iron	448	
Lead	14.2	
Manganese	9.7	
Mercury	0.03	
Nickel	1.1	
Selenium	0.5	UJ
Silver	0.25	U
Thallium	0.5	UJ
Vanadium	2.3	
Zinc	0.25	U
Pesticides/PCBs (µg/kg)		
2,4,5-T	2.6	U
2,4,5-TP (silvex)	2.6	U
2,4-D	2.6	U
4,4'-DDD	233	J
4,4'-DDE	741	
4,4'-DDT	557	
Aldrin	84.7	U
alpha-BHC	84.7	U
Aroclor-1016	530	U
Aroclor-1221	530	U
Aroclor-1232	530	U
Aroclor-1242	530	U
Aroclor-1248	530	U
Aroclor-1254	530	U
Aroclor-1260	530	U
beta-BHC	84.7	U
Chlordane	1060	U
delta-BHC	84.7	U
Dieldrin	169	U
Endosulfan I	84.7	U
Endosulfan II	169	U
Endosulfan sulfate	169	U
Endrin	169	U
Endrin aldehyde	169	U
gamma-BHC (lindane)	84.7	U
Heptachlor	84.7	U
Heptachlor epoxide	84.7	U
Methoxychlor	847	U
Methyl parathion	212	U
Parathion	212	U
Phorate	212	U
Toxaphene	4240	U
Semivolatile Organic Compounds (µg/kg)		
1,2-dichlorobenzene	2.6	U
1,3-dichlorobenzene	2.6	U
1,4-dichlorobenzene	2.6	U
Acenaphthene	416	U
Acenaphthylene	416	U
Anthracene	416	U

PARAMETER	RESULT	QUAL
Benzo(a)anthracene	416	U
Benzo(a)pyrene	416	U
Benzo(b)fluoranthene	416	U
Benzo(g,h,i)perylene	416	U
Benzo(k)fluoranthene	416	U
Chrysene	416	U
Dibenzo(a,h)anthracene	416	U
Fluoranthene	416	U
Fluorene	416	U
Indeno(1,2,3-cd)pyrene	416	U
Naphthalene	416	U
Phenanthrene	416	U
Pyrene	416	U
Volatile Organic Compounds (µg/kg)		
Benzene	2.6	U
Chlorobenzene	2.6	U
Ethylbenzene	2.6	U
Toluene	3	U
Xylenes, total	7.7	U

BG 6

B6SB	B6SB	B&RE	0 ft
Inorganics (mg/kg)			
Aluminum		2220	
Antimony		0.53	UJ
Arsenic		3.1	U
Barium		13.8	
Beryllium		0.03	U
Cadmium		0.16	U
Chromium		7.2	
Cobalt		0.27	U
Copper		5.2	
Cyanide		0.09	UJ
Iron		1290	
Lead		8.8	
Manganese		17.5	
Mercury		0.03	
Nickel		1.6	
Selenium		0.53	UJ
Silver		0.27	U
Thallium		0.53	UJ
Vanadium		4.5	
Zinc		0.27	U
Pesticides/PCBs (µg/kg)			
2,4,5-T		2.6	U
2,4,5-TP (silvex)		2.6	U
2,4-D		2.6	U
4,4'-DDD		2	
4,4'-DDE		1.8	U
4,4'-DDT		2.1	
Aldrin		0.88	U

PARAMETER	RESULT	QUAL
alpha-BHC	0.88	U
Aroclor-1016	5.5	U
Aroclor-1221	5.5	U
Aroclor-1232	5.5	U
Aroclor-1242	5.5	U
Aroclor-1248	5.5	U
Aroclor-1254	5.5	U
Aroclor-1260	5.5	U
beta-BHC	0.88	U
Chlordane	11	U
delta-BHC	0.88	U
Dieldrin	1.8	U
Endosulfan I	3.5	J
Endosulfan II	1.8	U
Endosulfan sulfate	1.8	U
Endrin	1.2	J
Endrin aldehyde	1.8	U
gamma-BHC (lindane)	0.88	U
Heptachlor	0.88	U
Heptachlor epoxide	0.88	U
Methoxychlor	13.2	
Methyl parathion	2.2	U
Parathion	2.2	U
Phorate	2.2	U
Toxaphene	41	U
Semivolatile Organic Compounds (µg/kg)		
1,2-dichlorobenzene	2.7	U
1,3-dichlorobenzene	2.7	U
1,4-dichlorobenzene	2.7	U
Acenaphthene	441	U
Acenaphthylene	441	U
Anthracene	441	U
Benzo(a)anthracene	441	U
Benzo(a)pyrene	441	U
Benzo(b)fluoranthene	441	U
Benzo(g,h,i)perylene	441	U
Benzo(k)fluoranthene	441	U
Chrysene	441	U
Dibenzo(a,h)anthracene	441	U
Fluoranthene	441	U
Fluorene	441	U
Indeno(1,2,3-cd)pyrene	441	U
Naphthalene	441	U
Phenanthrene	441	U
Pyrene	441	U
Volatile Organic Compounds (µg/kg)		
Benzene	2.7	U
Chlorobenzene	2.7	U
Ethylbenzene	[illegible]	U
Toluene		U

Keywest MOD01 Supplemental RFI/RI Background Samples
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PARAMETER	RESULT	QUAL
Xylenes, total	8	U
BG 8		
B8SB B8SB B&RE 0 ft		
Inorganics (mg/kg)		
Aluminum	429	
Antimony	0.48	UJ
Arsenic	0.78	U
Barium	7.1	
Beryllium	0.02	U
Cadmium	0.05	U
Chromium	3.6	
Cobalt	0.24	U
Copper	5.4	
Cyanide	0.08	UJ
Iron	390	
Lead	10.4	
Manganese	6	
Mercury	0.03	
Nickel	2.8	
Selenium	0.51	J
Silver	0.24	U
Thallium	0.48	UJ
Vanadium	8.2	
Zinc	0.24	U
Pesticides/PCBs (µg/kg)		
2,4,5-T	2.4	U
2,4,5-TP (silvex)	2.4	U
2,4-D	2.4	U
4,4'-DDD	1.6	U
4,4'-DDE	1.8	
4,4'-DDT	1.8	
Aldrin	0.81	U
alpha-BHC	0.81	U
Aroclor-1016	5	U
Aroclor-1221	5	U
Aroclor-1232	5	U
Aroclor-1242	5	U
Aroclor-1248	5	U
Aroclor-1254	5	U
Aroclor-1260	5	U
beta-BHC	0.81	U
Chlordane	10.1	U
delta-BHC	0.81	U
Dieldrin	1.6	U
Endosulfan I	1	
Endosulfan II	1.6	U
Endosulfan sulfate	1.6	U
Endrin	1.6	U
Endrin aldehyde	1.6	U
gamma-BHC (lindane)	0.81	U

PARAMETER	RESULT	QUAL
Heptachlor	0.81	U
Heptachlor epoxide	0.81	U
Methoxychlor	8.1	U
Methyl parathion	2	U
Parathion	2	U
Phorate	2	U
Toxaphene	40.4	U
Semivolatile Organic Compounds (µg/kg)		
1,2-dichlorobenzene	2.4	U
1,3-dichlorobenzene	2.4	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	398	U
Acenaphthylene	398	U
Anthracene	398	U
Benzo(a)anthracene	398	U
Benzo(a)pyrene	398	U
Benzo(b)fluoranthene	398	U
Benzo(g,h,i)perylene	398	U
Benzo(k)fluoranthene	398	U
Chrysene	398	U
Dibenzo(a,h)anthracene	398	U
Fluoranthene	398	U
Fluorene	398	U
Indeno(1,2,3-cd)pyrene	398	U
Naphthalene	398	U
Phenanthrene	398	U
Pyrene	398	U
Volatile Organic Compounds (µg/kg)		
Benzene	2.4	U
Chlorobenzene	2.4	U
Ethylbenzene	2.4	U
Toluene	2	U
Xylenes, total	2.1	J
SWMU 1		
S1SS-4 S1SS-4 B&RE 0 ft		
Inorganics (mg/kg)		
Aluminum	3910	
Antimony	0.64	U
Arsenic	3.8	U
Barium	17	
Beryllium	0.07	U
Cadmium	0.23	U
Chromium	10.6	
Cobalt	0.37	
Copper	6.2	
Cyanide	0.28	UJ
Iron	2050	
Lead	17.2	
Manganese	25.8	
Mercury	0.05	U

PARAMETER	RESULT	QUAL
Nickel	4.1	
Selenium	1.2	U
Silver	0.17	U
Thallium	1.1	U
Vanadium	8.8	
Zinc	20.7	
Pesticides/PCBs (µg/kg)		
2,4,5-T	51.9	U
2,4,5-TP (silvex)	26	U
2,4-D	51.9	U
Chlorobenzilate	2120	U
Dimethoate	2120	U
Dinoseb	424	U
Disulfoton	424	U
Famphur	424	U
Isodrin	424	U
Kepone	424	U
Sulfotep	424	U
Thionazin	424	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	424	U
1,2,4-trichlorobenzene	424	U
1,2-dichlorobenzene	424	U
1,3,5-trinitrobenzene	2120	U
1,3-dichlorobenzene	424	U
1,3-dinitrobenzene	424	U
1,4-dichlorobenzene	424	U
1,4-dioxane	424	U
1,4-naphthoquinone	424	U
1-naphthylamine	424	U
2,3,4,6-tetrachlorophenol	424	U
2,4,5-trichlorophenol	424	U
2,4,6-trichlorophenol	424	U
2,4-dichlorophenol	424	U
2,4-dimethylphenol	424	U
2,4-dinitrophenol	848	U
2,4-dinitrotoluene	424	U
2,6-dichlorophenol	424	U
2,6-dinitrotoluene	424	U
2-acetylaminofluorene	424	U
2-chloronaphthalene	424	U
2-chlorophenol	424	U
2-methyl-4,6-dinitrophenol	424	U
2-methylnaphthalene	424	U
2-naphthylamine	424	U
2-nitroaniline	424	U
2-nitrophenol	424	U
2-picoline	424	U
3 & 4-methylphenol	424	U
3,3'-dichlorobenzidine	2120	U

PARAMETER	RESULT	QUAL
3,3'-dimethylbenzidine	2120	UR
3-methylcholanthrene	424	U
3-nitroaniline	424	U
4-aminobiphenyl	424	U
4-bromophenyl phenyl ether	424	U
4-chloro-3-methylphenol	424	U
4-chloroaniline	424	U
4-chlorophenyl phenyl ether	424	U
4-nitroaniline	424	U
4-nitrophenol	424	U
4-nitroquinoline-1-oxide	424	U
5-nitro-o-toluidine	424	U
7,12-dimethylbenz(a)anthracene	424	U
a,a-dimethylphenethylamine	424	U
Acenaphthene	424	U
Acenaphthylene	424	U
Acetophenone	424	U
Aniline	424	U
Anthracene	424	U
Aramite	424	U
Benzo(a)anthracene	424	U
Benzo(a)pyrene	424	U
Benzo(b)fluoranthene	424	U
Benzo(g,h,i)perylene	424	U
Benzo(k)fluoranthene	424	U
Benzyl alcohol	424	U
Bis(2-chloroethoxy)methane	424	U
Bis(2-chloroethyl)ether	424	U
Bis(2-ethylhexyl)phthalate	424	U
Butyl benzyl phthalate	424	U
Chrysene	424	U
Di-n-butyl phthalate	424	U
Di-n-octyl phthalate	424	U
Diallate	424	U
Dibenzo(a,h)anthracene	424	U
Dibenzofuran	424	U
Diethyl phthalate	424	U
Dimethyl phthalate	424	U
Diphenylamine	424	U
Ethyl methacrylate	424	U
Ethyl methanesulfonate	424	U
Fluoranthene	424	U
Fluorene	424	U
Hexachlorobenzene	424	U
Hexachlorobutadiene	424	U
Hexachlorocyclopentadiene	424	U
Hexachloroethane	424	U
Hexachloropropene	424	U
Indeno(1,2,3-cd)pyrene	424	U
Isophorone	424	U

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PARAMETER	RESULT	QUAL
Isosafrole	424	U
Methapyrilene	2120	U
Methyl methanesulfonate	424	U
N-nitroso-di-n-butylamine	424	U
N-nitroso-di-n-propylamine	424	U
N-nitrosodiethylamine	424	U
N-nitrosodimethylamine	424	U
N-nitrosodiphenylamine	424	U
N-nitrosomethylethylamine	424	U
N-nitrosomorpholine	424	U
N-nitrosopiperidine	424	U
N-nitrosopyrrolidine	424	U
Naphthalene	424	U
Nitrobenzene	424	U
o,o,o-triethylphosphorothioate	424	U
o-toluidine	424	U
p-dimethylaminoazobenzene	424	U
p-phenylenediamine	848	U
Pentachlorobenzene	424	U
Pentachloroethane	424	U
Pentachloronitrobenzene	424	U
Pentachlorophenol	424	U
Phenacetin	424	U
Phenanthrene	424	U
Phenol	424	U
Pronamide	424	U
Pyrene	424	U
Pyridine	424	U
Safrole	424	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	3	U
1,1,1-trichloroethane	3	U
1,1,2,2-tetrachloroethane	3	U
1,1,2-trichloroethane	3	U
1,1-dichloroethane	3	U
1,1-dichloroethene	3	U
1,2,3-trichloropropane	3	U
1,2-dibromo-3-chloropropane	3	U
1,2-dibromoethane	3	U
1,2-dichloroethane	3	U
1,2-dichloropropane	3	U
2-butanone	7	U
2-chloro-1,3-butadiene	3	U
2-hexanone	7	U
3-chloropropene	13	U
4-methyl-2-pentanone	7	U
Acetone	1	J
Acetonitrile	13	U
Acrolein	26	UR
Acrylonitrile	26	U

PARAMETER	RESULT	QUAL
Benzene	3	U
Bis(2-chloroisopropyl)ether	26	U
Bromodichloromethane	3	U
Bromoform	3	U
Bromomethane	3	U
Carbon disulfide	7	U
Carbon tetrachloride	3	U
Chlorobenzene	3	U
Chloroethane	3	U
Chloroform	3	U
Chloromethane	3	U
Cis-1,3-dichloropropene	3	U
Dibromochloromethane	3	U
Dibromomethane	3	U
Dichlorodifluoromethane	3	U
Ethyl cyanide	26	UR
Ethylbenzene	0.31	J
Iodomethane	7	U
Isobutanol	26	U
Methacrylonitrile	13	U
Methyl methacrylate	13	U
Methylene chloride	3	U
Styrene	3	U
Tetrachloroethene	3	U
Toluene	1	J
Trans-1,2-dichloroethene	3	U
Trans-1,3-dichloropropene	3	U
Trans-1,4-dichloro-2-butene	13	U
Trichloroethene	3	U
Trichlorofluoromethane	3	U
Vinyl acetate	7	U
Vinyl chloride	3	U
Xylenes, total	8	U
S1SB-7 KW02561 BEI(d) 0 ft		
Inorganics (mg/kg)		
Aluminum	2800	
Antimony	0.48	
Arsenic	1.1	
Barium	12.8	
Beryllium	0.15	
Cadmium	0.45	
Chromium	15.5	
Cobalt	0.51	
Copper	10.4	
Cyanide	0.75	U
Iron	1620	
Lead	36.7	
Manganese	25.3	
Mercury	0.048	
Nickel	2.5	

PARAMETER	RESULT	QUAL
Selenium	0.79	
Silver	0.18	U
Thallium	0.41	U
Tin	2.1	
Vanadium	4.9	
Zinc	52.5	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	4.4	U
4,4'-DDE	5.9	
4,4'-DDT	4.7	
Aldrin	2.2	U
alpha-BHC	2.2	U
Aroclor-1016	22	U
Aroclor-1221	22	U
Aroclor-1232	22	U
Aroclor-1242	22	U
Aroclor-1248	22	U
Aroclor-1254	22	U
Aroclor-1260	69	
beta-BHC	2.2	U
Chlordane	22	U
Chlorobenzilate	850	U
delta-BHC	2.2	U
Dieldrin	4.4	U
Endosulfan I	2.2	U
Endosulfan II	4.4	U
Endosulfan sulfate	4.4	U
Endrin	4.4	U
Endrin aldehyde	4.4	U
Endrin ketone	4.4	U
gamma-BHC (lindane)	2.2	U
Heptachlor	2.2	U
Heptachlor epoxide	2.2	U
Isodrin	850	U
Kepone	1700	U
Methoxychlor	22	U
Toxaphene	220	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	850	U
1,2,4-trichlorobenzene	850	U
1,2-dichlorobenzene	850	U
1,3,5-trinitrobenzene	850	U
1,3-dichlorobenzene	850	U
1,3-dinitrobenzene	850	U
1,4-dichlorobenzene	850	U
1,4-naphthoquinone	850	U
1-naphthylamine	850	U
2,3,4,6-tetrachlorophenol	1700	U
2,4,5-trichlorophenol	4100	U
2,4,6-trichlorophenol	850	U

PARAMETER	RESULT	QUAL
2,4-dichlorophenol	850	U
2,4-dimethylphenol	850	U
2,4-dinitrophenol	4100	U
2,4-dinitrotoluene	850	U
2,6-dichlorophenol	850	U
2,6-dinitrotoluene	850	U
2-acetylaminofluorene	1700	U
2-chloronaphthalene	850	U
2-chlorophenol	850	U
2-methyl-4,6-dinitrophenol	4100	U
2-methylnaphthalene	850	U
2-methylphenol	850	U
2-naphthylamine	850	U
2-nitroaniline	4100	U
2-nitrophenol	850	U
2-picoline	850	U
3 & 4-methylphenol	850	U
3,3'-dichlorobenzidine	1700	U
3-methylcholanthrene	850	U
3-nitroaniline	4100	U
4-aminobiphenyl	850	U
4-bromophenyl phenyl ether	850	U
4-chloro-3-methylphenol	1700	U
4-chloroaniline	1700	U
4-chlorophenyl phenyl ether	850	U
4-nitroaniline	4100	U
4-nitrophenol	4100	U
4-nitroquinoline-1-oxide	850	U
5-nitro-o-toluidine	850	U
7,12-dimethylbenz(a)anthracene	850	U
a,a-dimethylphenethylamine	1700	U
Acenaphthene	850	U
Acenaphthylene	850	U
Acetophenone	850	U
Aniline	850	U
Anthracene	850	U
Aramite	1700	U
Benzo(a)anthracene	850	U
Benzo(a)pyrene	850	U
Benzo(b)fluoranthene	850	U
Benzo(g,h,i)perylene	850	U
Benzo(k)fluoranthene	850	U
Benzyl alcohol	1700	U
Bis(2-chloroethoxy)methane	850	U
Bis(2-chloroethyl)ether	850	U
Bis(2-ethylhexyl)phthalate	850	U
Butyl benzyl phthalate	850	U
Carbazole	850	U
Chrysene		U
Di-n-butyl phthalate		U

Keywest MOD01 Supplemental RFI/RI Background Samples
Soil Data Set

PARAMETER	RESULT	QUAL
Di-n-octyl phthalate	850	U
Diallate	1700	U
Dibenzo(a,h)anthracene	850	U
Dibenzofuran	850	U
Diethyl phthalate	850	U
Dimethyl phthalate	850	U
Diphenylamine	850	U
Ethyl methacrylate	850	U
Ethyl methanesulfonate	850	U
Fluoranthene	850	U
Fluorene	850	U
Hexachlorobenzene	850	U
Hexachlorobutadiene	850	U
Hexachlorocyclopentadiene	850	U
Hexachloroethane	850	U
Hexachlorophene	51	
Hexachloropropene	850	U
Indeno(1,2,3-cd)pyrene	850	U
Isophorone	850	U
Isosafrole	850	U
Methapyrilene	850	U
Methyl methanesulfonate	850	U
N-nitroso-di-n-butylamine	850	U
N-nitroso-di-n-propylamine	850	U
N-nitrosodiethylamine	850	U
N-nitrosodimethylamine	850	U
N-nitrosomethylethylamine	850	U
N-nitrosomorpholine	850	U
N-nitrosopiperidine	850	U
N-nitrosopyrrolidine	850	U
Naphthalene	850	U
Nitrobenzene	850	U
o,o,o-triethylphosphorothioate	850	U
o-toluidine	850	U
p-dimethylaminoazobenzene	850	U
p-phenylenediamine	5400	U
Pentachlorobenzene	850	U
Pentachloroethane	850	U
Pentachloronitrobenzene	1700	U
Pentachlorophenol	4100	U
Phenacetin	850	U
Phenanthrene	850	U
Phenol	850	U
Pronamide	1700	U
Pyrene	850	U
Pyridine	850	U
Safrole	850	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	6	U
1,1,1-trichloroethane	6	U

PARAMETER	RESULT	QUAL
1,1,2,2-tetrachloroethane	6	U
1,1,2-trichloroethane	6	U
1,1-dichloroethane	6	U
1,1-dichloroethene	6	U
1,2,3-trichloropropane	6	U
1,2-dibromo-3-chloropropane	6	U
1,2-dibromoethane	6	U
1,2-dichloroethane	6	U
1,2-dichloroethene	6	U
1,2-dichloropropane	6	U
2-butanone	13	U
2-chloro-1,3-butadiene	25	U
2-hexanone	13	U
3-chloropropene	6	U
4-methyl-2-pentanone	13	U
Acetone	13	U
Acrolein	25	U
Acrylonitrile	13	U
Benzene	6	U
Bis(2-chloroisopropyl)ether	850	U
Bromodichloromethane	6	U
Bromoform	6	U
Bromomethane	13	U
Carbon disulfide	6	U
Carbon tetrachloride	6	U
Chlorobenzene	6	U
Chloroethane	13	U
Chloroform	6	U
Chloromethane	13	U
Cis-1,2-dichloroethene	6	U
Cis-1,3-dichloropropene	6	U
Dibromochloromethane	6	U
Dibromomethane	6	U
Dichlorodifluoromethane	6	U
Ethyl cyanide	6	U
Ethylbenzene	6	U
Iodomethane	6	U
Methacrylonitrile	6	U
Methyl methacrylate	6	U
Methylene chloride	6	U
Styrene	6	U
Tetrachloroethene	6	U
Toluene	6	U
Trans-1,2-dichloroethene	6	U
Trans-1,3-dichloropropene	6	U
Trans-1,4-dichloro-2-butene	6	U
Trichloroethene	1	J
Trichlorofluoromethane	6	U
Vinyl acetate	13	U
Vinyl chloride	13	U

PARAMETER	RESULT	QUAL
Xylenes, total	6	U
SWMU 2		
S2SB-9 KW02592 BEI(d) 0 ft		
Inorganics (mg/kg)		
Aluminum	1750	
Antimony	0.26	
Arsenic	2.7	
Barium	9.3	
Beryllium	0.13	
Cadmium	0.11	
Chromium	5.3	
Cobalt	0.22	
Copper	1.3	
Cyanide	0.49	U
Iron	1090	
Lead	0.65	
Manganese	15.9	
Mercury	0.044	U
Nickel	0.78	
Selenium	0.46	
Silver	0.16	U
Thallium	0.38	U
Tin	0.78	
Vanadium	2.8	
Zinc	2.6	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	6.7	
4,4'-DDE	3.9	J
4,4'-DDT	9.1	
Aldrin	2	U
alpha-BHC	2	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	2	U
Chlordane	20	U
delta-BHC	2	U
Dieldrin	4	U
Endosulfan I	2	U
Endosulfan II	4	U
Endosulfan sulfate	4	U
Endrin	4	U
Endrin aldehyde	4	U
Endrin ketone	4	U
gamma-BHC (lindane)	2	U
Heptachlor	2	U

PARAMETER	RESULT	QUAL
Heptachlor epoxide	2	U
Methoxychlor	20	U
Toxaphene	200	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	6	U
1,1,1-trichloroethane	6	U
1,1,2,2-tetrachloroethane	6	U
1,1,2-trichloroethane	6	U
1,1-dichloroethane	6	U
1,1-dichloroethene	6	U
1,2,3-trichloropropane	6	U
1,2-dibromo-3-chloropropane	6	U
1,2-dibromoethane	6	U
1,2-dichloroethane	6	U
1,2-dichloroethene	6	U
1,2-dichloropropane	6	U
2-butanone	12	U
2-chloro-1,3-butadiene	24	U
2-hexanone	12	U
3-chloropropene	6	U
4-methyl-2-pentanone	12	U
Acetone	12	U
Acrolein	24	U
Acrylonitrile	12	U
Benzene	6	U
Bromodichloromethane	6	U
Bromoform	6	U
Bromomethane	12	U
Carbon disulfide	6	U
Carbon tetrachloride	6	U
Chlorobenzene	6	U
Chloroethane	12	U
Chloroform	6	U
Chloromethane	12	U
Cis-1,2-dichloroethene	6	U
Cis-1,3-dichloropropene	6	U
Dibromochloromethane	6	U
Dibromomethane	6	U
Dichlorodifluoromethane	6	U
Ethyl cyanide	6	U
Ethylbenzene	6	U
Iodomethane	6	U
Methacrylonitrile	6	U
Methyl methacrylate	6	U
Methylene chloride	6	U
Styrene	6	U
Tetrachloroethene	6	U
Toluene	6	U
Trans-1,2-dichloroethene	6	U
Trans-1,3-dichloropropene	6	U

Keywest MOD01 Supplemental RFI/RI Background Samples
Soil Data Set

PARAMETER	RESULT	QUAL
Trans-1,4-dichloro-2-butene	6	U
Trichloroethene	6	U
Trichlorofluoromethane	6	U
Vinyl acetate	12	U
Vinyl chloride	12	U
Xylenes, total	6	U
SWMU 3		
S3BG-1 AS2168 IT(1994) 0 ft		
Inorganics (mg/kg)		
Antimony	3.7	U
Arsenic	0.63	
Barium	4.4	
Beryllium	0.12	U
Cadmium	0.62	U
Chromium	3.9	
Cobalt	2.5	U
Copper	1.2	U
Cyanide	12	U
Lead	1.7	
Mercury	0.02	U
Nickel	2.5	U
Selenium	1.2	U
Silver	0.62	U
Sulfide	49	
Thallium	0.25	U
Tin	3.7	U
Vanadium	1.3	
Zinc	3	
Pesticides/PCBs (µg/kg)		
2,4,5-T	120	U
2,4,5-TP (silvex)	120	U
2,4-D	120	U
4,4'-DDD	19	U
4,4'-DDE	19	U
4,4'-DDT	19	U
Aldrin	9.6	U
alpha-BHC	9.6	U
alpha-chlordane	96	U
Aroclor-1016	96	U
Aroclor-1221	96	U
Aroclor-1232	96	U
Aroclor-1242	96	U
Aroclor-1248	96	U
Aroclor-1254	190	U
Aroclor-1260	190	U
beta-BHC	9.6	U
Chlorobenzilate	96	U
delta-BHC	9.6	U
Dieldrin	19	U
Dimethoat	40	U

PARAMETER	RESULT	QUAL
Dinoseb	800	U
Disulfoton	40	U
Endosulfan I	9.6	U
Endosulfan II	19	U
Endosulfan sulfate	19	U
Endrin	19	U
Endrin ketone	19	U
Famphur	40	U
gamma-BHC (lindane)	9.6	U
gamma-chlordane	96	U
Heptachlor	9.6	U
Heptachlor epoxide	9.6	U
Isodrin	9.6	U
Kepone	19	U
Methoxychlor	96	U
Methyl parathion	40	U
Parathion	40	U
Phorate	40	U
Sulfotep	390	U
Thionazin	40	U
Toxaphene	190	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	390	U
1,2,4-trichlorobenzene	390	U
1,2-dichlorobenzene	390	U
1,3,5-trinitrobenzene	390	U
1,3-dichlorobenzene	390	U
1,3-dinitrobenzene	390	U
1,4-dichlorobenzene	390	U
1,4-dioxane	1200	U
1,4-naphthoquinone	390	U
1-naphthylamine	4700	U
2,3,4,6-tetrachlorophenol	390	U
2,4,5-trichlorophenol	1900	U
2,4,6-trichlorophenol	390	U
2,4-dichlorophenol	390	U
2,4-dimethylphenol	390	U
2,4-dinitrophenol	1900	U
2,4-dinitrotoluene	390	U
2,6-dichlorophenol	390	U
2,6-dinitrotoluene	390	U
2-acetylaminofluorene	390	U
2-chloronaphthalene	390	U
2-chlorophenol	390	U
2-methyl-4,6-dinitrophenol	1900	U
2-methylnaphthalene	390	U
2-methylphenol	390	U
2-naphthylamine	6800	U
2-nitroaniline	1900	U
2-nitrophenol	390	U

PARAMETER	RESULT	QUAL
2-picoline	2700	U
3,3'-dichlorobenzidine	780	U
3,3'-dimethylbenzidine	3200	U
3-methylcholanthrene	1200	U
3-methylphenol	390	U
3-nitroaniline	1900	U
4-aminobiphenyl	2000	U
4-bromophenyl phenyl ether	390	U
4-chloro-3-methylphenol	390	U
4-chloroaniline	390	U
4-chlorophenyl phenyl ether	390	U
4-methylphenol	390	U
4-nitroaniline	1900	U
4-nitrophenol	1900	U
4-nitroquinoline-1-oxide	390	U
5-nitro-o-toluidine	800	U
7,12-dimethylbenz(a)anthracene	800	U
a,a-dimethylphenethylamine	390	U
Acenaphthene	390	U
Acenaphthylene	390	U
Acetophenone	390	U
Aniline	390	U
Anthracene	390	U
Aramite	390	U
Benzo(a)anthracene	390	U
Benzo(a)pyrene	390	U
Benzo(b)fluoranthene	390	U
Benzo(g,h,i)perylene	390	U
Benzo(k)fluoranthene	390	U
Benzoic acid	1900	U
Benzyl alcohol	390	U
Bis(2-chloroethoxy)methane	390	U
Bis(2-chloroethyl)ether	390	U
Bis(2-ethylhexyl)phthalate	330	J
Butyl benzyl phthalate	390	U
Chrysene	390	U
Di-n-butyl phthalate	390	U
Di-n-octyl phthalate	390	U
Diallate	390	U
Dibenzo(a,h)anthracene	390	U
Dibenzofuran	390	U
Diethyl phthalate	390	U
Dimethyl phthalate	390	U
Diphenylamine	390	U
Ethyl methacrylate	800	U
Ethyl methanesulfonate	390	U
Fluoranthene	390	U
Fluorene	390	U
Hexachlorobenzene	390	U
Hexachlorobutadiene	390	U

PARAMETER	RESULT	QUAL
Hexachlorocyclopentadiene	390	U
Hexachloroethane	390	U
Hexachlorophene	2000	U
Hexachloropropene	800	U
Indeno(1,2,3-cd)pyrene	390	U
Isophorone	390	U
Isosafrole	390	U
Methapyrilene	1600	U
Methyl methanesulfonate	390	U
N-nitroso-di-n-butylamine	800	U
N-nitroso-di-n-propylamine	390	U
N-nitrosodiethylamine	390	U
N-nitrosodimethylamine	390	U
N-nitrosodiphenylamine	390	U
N-nitrosomethylethylamine	390	U
N-nitrosomorpholine	390	U
N-nitrosopiperidine	390	U
N-nitrosopyrrolidine	390	U
Naphthalene	390	U
Nitrobenzene	390	U
o,o,o-triethylphosphorothioate	390	U
o-toluidine	390	U
p-dimethylaminoazobenzene	1200	U
p-phenylenediamine	2000	U
Pentachlorobenzene	800	U
Pentachloroethane	800	U
Pentachloronitrobenzene	800	U
Pentachlorophenol	1900	U
Phenacetin	390	U
Phenanthrene	390	U
Phenol	390	U
Pronamide	1200	U
Pyrene	390	U
Pyridine	390	U
Safrole	390	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	6	U
1,1,1-trichloroethane	6	U
1,1,2,2-tetrachloroethane	6	U
1,1,2-trichloroethane	6	U
1,1-dichloroethane	6	U
1,1-dichloroethene	6	U
1,2,3-trichloropropane	6	U
1,2-dibromo-3-chloropropane	6	U
1,2-dibromoethane	6	U
1,2-dichloroethane	6	U
1,2-dichloropropane	6	U
2-butanone	12	U
2-chloro-1,3-butadiene	[illegible]	U
2-hexanone		U

Keywest MOD01 Supplemental RFI/RI Background Samples
Soil Data Set

PARAMETER	RESULT	QUAL
3-chloropropene	6	U
4-methyl-2-pentanone	12	U
Acetone	19	U
Acetonitrile	120	U
Acrolein	12	U
Acrylonitrile	12	U
Benzene	6	U
Bis(2-chloroisopropyl)ether	390	U
Bromodichloromethane	6	U
Bromoform	6	U
Bromomethane	12	U
Carbon disulfide	6	U
Carbon tetrachloride	6	U
Chlorobenzene	6	U
Chloroethane	12	U
Chloroform	6	U
Chloromethane	12	U
Cis-1,2-dichloroethene	6	U
Cis-1,3-dichloropropene	6	U
Dibromochloromethane	6	U
Dibromomethane	6	U
Dichlorodifluoromethane	24	U
Ethyl cyanide	120	U
Ethylbenzene	6	U
Iodomethane	6	U
Methacrylonitrile	12	U
Methyl methacrylate	12	U
Methylene chloride	14	
Styrene	6	U
Tetrachloroethene	6	U
Toluene	6	U
Trans-1,2-dichloroethene	6	U
Trans-1,3-dichloropropene	6	U
Trans-1,4-dichloro-2-butene	24	U
Trichloroethene	6	U
Trichlorofluoromethane	6	U
Vinyl acetate	12	U
Vinyl chloride	12	U
Xylenes, total	6	U

PARAMETER	RESULT	QUAL

PARAMETER	RESULT	QUAL

PARAMETER	RESULT	QUAL

KEY WEST MOD01
SUPPLEMENTAL RFI/RI BACKGROUND SAMPLES

SEDIMENT DATA SET

Keywest MOD01 Supplemental RFI/RI Background Samples
Sediment Data Set

PARAMETER	RESULT	QUAL
BG 1		
BG1SD-01 BG1SD-01 B&RE 0 in		
Inorganics (mg/kg)		
Aluminum	3350	
Antimony	1.2	U
Arsenic	4.3	U
Barium	12.2	
Beryllium	0.14	U
Cadmium	0.9	
Chromium	11.7	
Cobalt	0.56	
Copper	34.6	
Cyanide	0.69	U
Iron	2600	
Lead	56.5	
Manganese	38.5	
Mercury	0.14	U
Nickel	5.5	
Selenium	2.2	U
Silver	0.32	U
Thallium	2.1	UJ
Vanadium	8.9	
Zinc	58.2	
Pesticides/PCBs (µg/kg)		
2,4,5-T	133	U
2,4,5-TP (silvex)	66.7	U
2,4-D	133	U
4,4'-DDD	4.4	U
4,4'-DDE	28.8	
4,4'-DDT	4.4	U
Aldrin	2.4	
Alpha-BHC	2.2	U
Aroclor-1221	13.8	U
Aroclor-1232	13.8	U
Aroclor-1242	13.8	U
Aroclor-1248	13.8	U
Aroclor-1254	13.8	U
Aroclor-1260	13.8	U
Aroclor-1260	40.8	
Beta-BHC	2.2	U
Chlordane	27.5	U
Chlorobenzilate	21900	U
Delta-BHC	2.2	U
Dieldrin	4.4	U
Dimethoate	21900	U
Dinoseb	4380	U
Disulfoton	4380	U
Endosulfan I	2.2	U
Endosulfan II	4.4	U
Endosulfan sulfate	4.4	U

PARAMETER	RESULT	QUAL
Endrin	4.4	U
Endrin aldehyde	4.4	U
Famphur	4380	U
Gamma-BHC (lindane)	2.2	U
Heptachlor	2.2	U
Heptachlor epoxide	2.2	U
Isodrin	4380	U
Kepone	4380	U
Methoxychlor	22	U
Methyl parathion	5.5	U
Parathion	5.5	U
Phorate	5.5	U
Sulfotep	4380	U
Thionazin	4380	U
Toxaphene	110	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	4380	U
1,2,4-trichlorobenzene	4380	U
1,2-dichlorobenzene	4380	U
1,3,5-trinitrobenzene	21900	U
1,3-dichlorobenzene	4380	U
1,3-dinitrobenzene	4380	U
1,4-dichlorobenzene	4380	U
1,4-dioxane	4380	U
1,4-naphthoquinone	4380	U
1-naphthylamine	4380	U
2,3,4,6-tetrachlorophenol	4380	U
2,4,5-trichlorophenol	4380	U
2,4,6-trichlorophenol	4380	U
2,4-dichlorophenol	4380	U
2,4-dimethylphenol	4380	U
2,4-dinitrophenol	8770	U
2,4-dinitrotoluene	4380	U
2,6-dichlorophenol	4380	U
2,6-dinitrotoluene	4380	U
2-acetylaminofluorene	4380	U
2-chloronaphthalene	4380	U
2-chlorophenol	4380	U
2-methyl-4,6-dinitrophenol	4380	U
2-methylnaphthalene	4380	U
2-methylphenol	4380	U
2-naphthylamine	4380	UR
2-nitroaniline	4380	U
2-nitrophenol	4380	U
2-picoline	4380	U
3 & 4-methylphenol	4380	U
3,3'-dichlorobenzidine	21900	U
3,3'-dimethylbenzidine	21900	UR
3-methylcholanthrene	4380	U
3-nitroaniline	4380	U

PARAMETER	RESULT	QUAL
4-aminobiphenyl	4380	U
4-bromophenyl phenyl ether	4380	U
4-chloro-3-methylphenol	4380	U
4-chloroaniline	4380	UR
4-chlorophenyl phenyl ether	4380	U
4-nitroaniline	4380	U
4-nitrophenol	4380	U
4-nitroquinoline-1-oxide	4380	U
5-nitro-o-toluidine	4380	U
7,12-dimethylbenz(a)anthracene	4380	U
a,a-dimethylphenethylamine	4380	UR
Acenaphthene	4380	U
Acenaphthylene	4380	U
Acetophenone	4380	U
Aniline	4380	U
Anthracene	4380	U
Aramite	4380	U
Benzo(a)anthracene	4380	U
Benzo(a)pyrene	4380	U
Benzo(b)fluoranthene	4380	U
Benzo(g,h,i)perylene	4380	U
Benzo(k)fluoranthene	4380	U
Benzyl alcohol	4380	U
Bis(2-chloroethoxy)methane	4380	U
Bis(2-chloroethyl)ether	4380	U
Bis(2-ethylhexyl)phthalate	4380	U
Butyl benzyl phthalate	4380	U
Chrysene	4380	U
Di-n-butyl phthalate	4380	U
Di-n-octyl phthalate	4380	U
Diallate	4380	U
Dibenzo(a,h)anthracene	4380	U
Dibenzofuran	4380	U
Diethyl phthalate	4380	U
Dimethyl phthalate	4380	U
Diphenylamine	4380	U
Ethyl methacrylate	4380	U
Ethyl methanesulfonate	4380	U
Fluoranthene	4380	U
Fluorene	4380	U
Hexachlorobenzene	4380	U
Hexachlorobutadiene	4380	U
Hexachlorocyclopentadiene	4380	U
Hexachloroethane	4380	U
Hexachloropropene	4380	U
Indeno(1,2,3-cd)pyrene	4380	U
Isophorone	4380	U
Isosafrole	4380	U
Methapyrilene	21900	U
Methyl methanesulfonate	4380	U

PARAMETER	RESULT	QUAL
N-nitroso-di-n-butylamine	4380	U
N-nitroso-di-n-propylamine	4380	U
N-nitrosodiethylamine	4380	U
N-nitrosodimethylamine	4380	U
N-nitrosodiphenylamine	4380	U
N-nitrosomethylethylamine	4380	U
N-nitrosomorpholine	4380	U
N-nitrosopiperidine	4380	U
N-nitrosopyrrolidine	4380	U
Naphthalene	4380	U
Nitrobenzene	4380	U
o,o,o-triethylphosphorothioate	4380	U
o-toluidine	4380	U
p-dimethylaminoazobenzene	4380	U
p-phenylenediamine	8770	U
Pentachlorobenzene	4380	U
Pentachloroethane	4380	U
Pentachloronitrobenzene	4380	U
Pentachlorophenol	4380	U
Phenacetin	4380	U
Phenanthrene	4380	U
Phenol	4380	U
Pronamide	4380	U
Pyrene	4380	U
Pyridine	4380	U
Safrole	4380	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	7	U
1,1,1-trichloroethane	7	U
1,1,2,2-tetrachloroethane	7	U
1,1,2-trichloroethane	7	U
1,1-dichloroethane	7	U
1,1-dichloroethene	7	U
1,2,3-trichloropropane	7	U
1,2-dibromo-3-chloropropane	7	U
1,2-dibromoethane	7	U
1,2-dichloroethane	7	U
1,2-dichloropropane	7	U
2-butanone	17	U
2-chloro-1,3-butadiene	7	U
2-hexanone	17	U
3-chloropropene	33	U
4-methyl-2-pentanone	17	U
Acetone	4	J
Acetonitrile	33	U
Acrolein	67	UR
Acrylonitrile	67	U
Benzene	7	U
Bis(2-chloroisopropyl)ether	67	U
Bromodichloromethane	7	U

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PARAMETER	RESULT	QUAL
Bromoform	7	U
Bromomethane	7	U
Carbon disulfide	17	U
Carbon tetrachloride	7	U
Chlorobenzene	7	U
Chloroethane	7	U
Chloroform	7	U
Chloromethane	7	U
Cis-1,3-dichloropropene	7	U
Dibromochloromethane	7	U
Dibromomethane	7	U
Dichlorodifluoromethane	7	U
Ethyl cyanide	67	UR
Ethylbenzene	7	U
Iodomethane	17	U
Isobutanol	67	U
Methacrylonitrile	33	U
Methyl methacrylate	33	U
Methylene chloride	5	J
Styrene	7	U
Tetrachloroethene	7	U
Toluene	7	U
Trans-1,2-dichloroethene	7	U
Trans-1,3-dichloropropene	7	U
Trans-1,4-dichloro-2-butene	33	U
Trichloroethene	7	U
Trichlorofluoromethane	7	U
Vinyl acetate	17	U
Vinyl chloride	7	U
Xylenes, total	19	U

BG 2

BG2SD-01	BG2SD-01	B&RE	0 in
Inorganics (mg/kg)			
Aluminum		2350	
Antimony		3	U
Barium		15.2	
Beryllium		0.35	U
Cadmium		0.47	U
Chromium		5.8	
Cobalt		0.93	U
Copper		1.6	
Cyanide		1.5	U
Iron		1360	
Lead		5.5	
Manganese		14.9	
Mercury		0.35	U
Nickel		2.3	
Selenium		5.6	U
Silver		0.82	U
Thallium		5.2	UJ

PARAMETER	RESULT	QUAL
Vanadium	5.4	
Zinc	19.9	
Pesticides/PCBs (µg/kg)		
2,4,5-T	308	U
2,4,5-TP (silvex)	154	U
2,4-D	308	U
4,4'-DDD	205	U
4,4'-DDE	149	J
4,4'-DDT	205	U
Aldrin	102	U
Alpha-BHC	102	U
Aroclor-1221	641	U
Aroclor-1232	641	U
Aroclor-1242	641	U
Aroclor-1248	641	U
Aroclor-1254	641	U
Aroclor-1260	641	U
Aroclor-1260	641	U
Beta-BHC	102	U
Chlordane	1280	U
Chlorobenzilate	12600	U
Delta-BHC	102	U
Dieldrin	205	U
Dimethoate	12600	U
Dinoseb	2530	U
Disulfoton	2530	U
Endosulfan I	102	U
Endosulfan II	205	U
Endosulfan sulfate	205	U
Endrin	205	U
Endrin aldehyde	205	U
Famphur	2530	U
Gamma-BHC (lindane)	102	U
Heptachlor	102	U
Heptachlor epoxide	102	U
Isodrin	2530	U
Kepone	2530	U
Methoxychlor	1020	U
Methyl parathion	256	U
Parathion	256	U
Phorate	256	U
Sulfotep	2530	U
Thionazin	2530	U
Toxaphene	5130	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	2530	U
1,2,4-trichlorobenzene	2530	U
1,2-dichlorobenzene	2530	U
1,3,5-trinitrobenzene	12600	U
1,3-dichlorobenzene	2530	U

PARAMETER	RESULT	QUAL
1,3-dinitrobenzene	2530	U
1,4-dichlorobenzene	2530	U
1,4-dioxane	2530	U
1,4-naphthoquinone	2530	U
1-naphthylamine	2530	U
2,3,4,6-tetrachlorophenol	2530	U
2,4,5-trichlorophenol	2530	U
2,4,6-trichlorophenol	2530	U
2,4-dichlorophenol	2530	U
2,4-dimethylphenol	2530	U
2,4-dinitrophenol	5050	U
2,4-dinitrotoluene	2530	U
2,6-dichlorophenol	2530	U
2,6-dinitrotoluene	2530	U
2-acetylaminofluorene	2530	U
2-chloronaphthalene	2530	U
2-chlorophenol	2530	U
2-methyl-4,6-dinitrophenol	2530	U
2-methylnaphthalene	2530	U
2-methylphenol	2530	U
2-naphthylamine	2530	UR
2-nitroaniline	2530	U
2-nitrophenol	2530	U
2-picoline	2530	U
3 & 4-methylphenol	2530	U
3,3'-dichlorobenzidine	12600	U
3,3'-dimethylbenzidine	12600	UR
3-methylcholanthrene	2530	U
3-nitroaniline	2530	U
4-aminobiphenyl	2530	U
4-bromophenyl phenyl ether	2530	U
4-chloro-3-methylphenol	2530	U
4-chloroaniline	2530	UR
4-chlorophenyl phenyl ether	2530	U
4-nitroaniline	2530	U
4-nitrophenol	2530	U
4-nitroquinoline-1-oxide	2530	U
5-nitro-o-toluidine	2530	U
7,12-dimethylbenz(a)anthracene	2530	U
a,a-dimethylphenethylamine	2530	UR
Acenaphthene	2530	U
Acenaphthylene	2530	U
Acetophenone	2530	U
Aniline	2530	U
Anthracene	2530	U
Aramite	2530	U
Benzo(a)anthracene	2530	U
Benzo(a)pyrene	2530	U
Benzo(b)fluoranthene	2530	U
Benzo(g,h,i)perylene	2530	U

PARAMETER	RESULT	QUAL
Benzo(k)fluoranthene	2530	U
Benzyl alcohol	2530	U
Bis(2-chloroethoxy)methane	2530	U
Bis(2-chloroethyl)ether	2530	U
Bis(2-ethylhexyl)phthalate	2530	U
Butyl benzyl phthalate	2530	U
Chrysene	2530	U
Di-n-butyl phthalate	2530	U
Di-n-octyl phthalate	2530	U
Diallate	2530	U
Dibenzo(a,h)anthracene	2530	U
Dibenzofuran	2530	U
Diethyl phthalate	2530	U
Dimethyl phthalate	2530	U
Diphenylamine	2530	U
Ethyl methacrylate	2530	U
Ethyl methanesulfonate	2530	U
Fluoranthene	2530	U
Fluorene	2530	U
Hexachlorobenzene	2530	U
Hexachlorobutadiene	2530	U
Hexachlorocyclopentadiene	2530	U
Hexachloroethane	2530	U
Hexachloropropene	2530	U
Indeno(1,2,3-cd)pyrene	2530	U
Isophorone	2530	U
Isosafrole	2530	U
Methapyrilene	12600	U
Methyl methanesulfonate	2530	U
N-nitroso-di-n-butylamine	2530	U
N-nitroso-di-n-propylamine	2530	U
N-nitrosodiethylamine	2530	U
N-nitrosodimethylamine	2530	U
N-nitrosodiphenylamine	2530	U
N-nitrosomethylethylamine	2530	U
N-nitrosomorpholine	2530	U
N-nitrosopiperidine	2530	U
N-nitrosopyrrolidine	2530	U
Naphthalene	2530	U
Nitrobenzene	2530	U
o,o,o-triethylphosphorothioate	2530	U
o-toluidine	2530	U
p-dimethylaminoazobenzene	2530	U
p-phenylenediamine	5050	U
Pentachlorobenzene	2530	U
Pentachloroethane	2530	U
Pentachloronitrobenzene	2530	U
Pentachlorophenol	2530	U
Phenacetin		U
Phenanthrene		U

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PARAMETER	RESULT	QUAL
Phenol	2530	U
Pronamide	2530	U
Pyrene	2530	U
Pyridine	2530	U
Safrole	2530	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	15	U
1,1,1-trichloroethane	15	U
1,1,2,2-tetrachloroethane	15	U
1,1,2-trichloroethane	15	U
1,1-dichloroethane	15	U
1,1-dichloroethene	15	U
1,2,3-trichloropropane	15	U
1,2-dibromo-3-chloropropane	15	U
1,2-dibromoethane	15	U
1,2-dichloroethane	15	U
1,2-dichloropropane	15	U
2-butanone	39	U
2-chloro-1,3-butadiene	15	U
2-hexanone	39	U
3-chloropropene	77	U
4-methyl-2-pentanone	39	U
Acetone	38	
Acetonitrile	77	U
Acrolein	154	UR
Acrylonitrile	154	U
Benzene	15	U
Bis(2-chloroisopropyl)ether	154	U
Bromodichloromethane	15	U
Bromoform	15	U
Bromomethane	15	U
Carbon disulfide	39	U
Carbon tetrachloride	15	U
Chlorobenzene	15	U
Chloroethane	15	U
Chloroform	15	U
Chloromethane	15	U
Cis-1,3-dichloropropene	15	U
Dibromochloromethane	15	U
Dibromomethane	15	U
Dichlorodifluoromethane	15	U
Ethyl cyanide	154	UR
Ethylbenzene	15	U
Iodomethane	39	U
Isobutanol	154	U
Methacrylonitrile	77	U
Methyl methacrylate	77	U
Methylene chloride	15	U
Styrene	15	U
Tetrachloroethene	15	U

PARAMETER	RESULT	QUAL
Toluene	15	U
Trans-1,2-dichloroethene	15	U
Trans-1,3-dichloropropene	15	U
Trans-1,4-dichloro-2-butene	77	U
Trichloroethene	15	U
Trichlorofluoromethane	15	U
Vinyl acetate	39	U
Vinyl chloride	15	U
Xylenes, total	46	U

BG 3

BG3SD-01	BG3SD-01	B&RE	0 in
Inorganics (mg/kg)			
Aluminum		497	
Antimony		0.79	U
Arsenic		3.2	U
Barium		5	
Beryllium		0.09	U
Cadmium		0.12	U
Chromium		2.1	
Cobalt		0.24	U
Copper		3.2	
Cyanide		1.1	U
Iron		363	
Lead		32.6	
Manganese		17.3	
Mercury		0.09	U
Nickel		0.7	
Selenium		1.5	U
Silver		0.21	U
Thallium		1.4	UJ
Vanadium		2.8	
Zinc		15.7	
Pesticides/PCBs (µg/kg)			
2,4,5-T		75.5	U
2,4,5-TP (silvex)		37.7	U
2,4-D		75.5	U
4,4'-DDD		24.9	U
4,4'-DDE		20.4	J
4,4'-DDT		24.9	U
Aldrin		12.4	U
Alpha-BHC		12.4	U
Aroclor-1221		77.8	U
Aroclor-1232		77.8	U
Aroclor-1242		77.8	U
Aroclor-1248		77.8	U
Aroclor-1254		77.8	U
Aroclor-1260		77.8	U
Aroclor-1260		77.8	U
Beta-BHC		12.4	U
Chlordane		156	U

PARAMETER	RESULT	QUAL
Chlorobenzilate	30700	U
Delta-BHC	15.7	
Dieldrin	24.9	U
Dimethoate	30700	U
Dinoseb	6150	U
Disulfoton	6150	U
Endosulfan I	12.4	U
Endosulfan II	24.9	U
Endosulfan sulfate	24.9	U
Endrin	24.9	U
Endrin aldehyde	24.9	U
Famphur	6150	U
Gamma-BHC (lindane)	12.4	U
Heptachlor	12.4	U
Heptachlor epoxide	12.4	U
Isodrin	6150	U
Kepone	6150	U
Methoxychlor	124	U
Methyl parathion	31.1	U
Parathion	31.1	U
Phorate	31.1	U
Sulfotep	6150	U
Thionazin	6150	U
Toxaphene	623	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	6150	U
1,2,4-trichlorobenzene	6150	U
1,2-dichlorobenzene	6150	U
1,3,5-trinitrobenzene	30700	U
1,3-dichlorobenzene	6150	U
1,3-dinitrobenzene	6150	U
1,4-dichlorobenzene	6150	U
1,4-dioxane	6150	U
1,4-naphthoquinone	6150	U
1-naphthylamine	6150	U
2,3,4,6-tetrachlorophenol	6150	U
2,4,5-trichlorophenol	6150	U
2,4,6-trichlorophenol	6150	U
2,4-dichlorophenol	6150	U
2,4-dimethylphenol	6150	U
2,4-dinitrophenol	12300	U
2,4-dinitrotoluene	6150	U
2,6-dichlorophenol	6150	U
2,6-dinitrotoluene	6150	U
2-acetylaminofluorene	6150	U
2-chloronaphthalene	6150	U
2-chlorophenol	6150	U
2-methyl-4,6-dinitrophenol	6150	U
2-methylnaphthalene	6150	U
2-methylphenol	6150	U

PARAMETER	RESULT	QUAL
2-naphthylamine	6150	UR
2-nitroaniline	6150	U
2-nitrophenol	6150	U
2-picoline	6150	U
3 & 4-methylphenol	6150	U
3,3'-dichlorobenzidine	30700	U
3,3'-dimethylbenzidine	30700	UR
3-methylcholanthrene	6150	U
3-nitroaniline	6150	U
4-aminobiphenyl	6150	U
4-bromophenyl phenyl ether	6150	U
4-chloro-3-methylphenol	6150	U
4-chloroaniline	6150	U
4-chlorophenyl phenyl ether	6150	U
4-nitroaniline	6150	U
4-nitrophenol	6150	U
4-nitroquinoline-1-oxide	6150	U
5-nitro-o-toluidine	6150	U
7,12-dimethylbenz(a)anthracene	6150	U
a,a-dimethylphenethylamine	6150	U
Acenaphthene	6150	U
Acenaphthylene	6150	U
Acetophenone	6150	U
Aniline	6150	U
Anthracene	6150	U
Aramite	6150	U
Benzo(a)anthracene	6150	U
Benzo(a)pyrene	6150	U
Benzo(b)fluoranthene	6150	U
Benzo(g,h,i)perylene	6150	U
Benzo(k)fluoranthene	6150	U
Benzyl alcohol	6150	U
Bis(2-chloroethoxy)methane	6150	U
Bis(2-chloroethyl)ether	6150	U
Bis(2-ethylhexyl)phthalate	6150	U
Butyl benzyl phthalate	6150	U
Chrysene	6150	U
Di-n-butyl phthalate	6150	U
Di-n-octyl phthalate	6150	U
Diallate	6150	U
Dibenzo(a,h)anthracene	6150	U
Dibenzofuran	6150	U
Diethyl phthalate	6150	U
Dimethyl phthalate	6150	U
Diphenylamine	6150	U
Ethyl methacrylate	6150	U
Ethyl methanesulfonate	6150	U
Fluoranthene	6150	U
Fluorene	6150	U
Hexachlorobenzene	6150	U

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PARAMETER	RESULT	QUAL
Hexachlorobutadiene	6150	U
Hexachlorocyclopentadiene	6150	U
Hexachloroethane	6150	U
Hexachloropropene	6150	U
Indeno(1,2,3-cd)pyrene	6150	U
Isophorone	6150	U
Isosafrole	6150	U
Methapyrilene	30700	U
Methyl methanesulfonate	6150	U
N-nitroso-di-n-butylamine	6150	U
N-nitroso-di-n-propylamine	6150	U
N-nitrosodiethylamine	6150	U
N-nitrosodimethylamine	6150	U
N-nitrosodiphenylamine	6150	U
N-nitrosomethylethylamine	6150	U
N-nitrosomorpholine	6150	U
N-nitrosopiperidine	6150	U
N-nitrosopyrrolidine	6150	U
Naphthalene	6150	U
Nitrobenzene	6150	U
o,o,o-triethylphosphorothioate	6150	U
o-toluidine	6150	U
p-dimethylaminoazobenzene	6150	U
p-phenylenediamine	12300	U
Pentachlorobenzene	6150	U
Pentachloroethane	6150	U
Pentachloronitrobenzene	6150	U
Pentachlorophenol	6150	U
Phenacetin	6150	U
Phenanthrene	6150	U
Phenol	6150	U
Pronamide	6150	U
Pyrene	6150	U
Pyridine	6150	U
Safrole	6150	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	4	U
1,1,1-trichloroethane	4	U
1,1,2,2-tetrachloroethane	4	U
1,1,2-trichloroethane	4	U
1,1-dichloroethane	4	U
1,1-dichloroethene	4	U
1,2,3-trichloropropane	4	U
1,2-dibromo-3-chloropropane	4	U
1,2-dibromoethane	4	U
1,2-dichloroethane	4	U
1,2-dichloropropane	4	U
2-butanone	9	U
2-chloro-1,3-[illegible]iene	4	U
2-hexanone	9	U

PARAMETER	RESULT	QUAL
3-chloropropene	19	U
4-methyl-2-pentanone	9	U
Acetone	4	U
Acetonitrile	19	U
Acrolein	38	UR
Acrylonitrile	38	U
Benzene	4	U
Bis(2-chloroisopropyl)ether	38	U
Bromodichloromethane	4	U
Bromoform	4	U
Bromomethane	4	U
Carbon disulfide	9	U
Carbon tetrachloride	4	U
Chlorobenzene	4	U
Chloroethane	4	U
Chloroform	4	U
Chloromethane	4	U
Cis-1,3-dichloropropene	4	U
Dibromochloromethane	4	U
Dibromomethane	4	U
Dichlorodifluoromethane	4	U
Ethyl cyanide	38	UR
Ethylbenzene	4	U
Iodomethane	9	U
Isobutanol	38	U
Methacrylonitrile	19	U
Methyl methacrylate	19	U
Methylene chloride	4	U
Styrene	4	U
Tetrachloroethene	4	U
Toluene	4	U
Trans-1,2-dichloroethene	4	U
Trans-1,3-dichloropropene	4	U
Trans-1,4-dichloro-2-butene	19	U
Trichloroethene	4	U
Trichlorofluoromethane	4	U
Vinyl acetate	9	U
Vinyl chloride	4	U
Xylenes, total	11	U
BG 4		
B4SS-1 B4SS-1 B&RE 0 in		
Inorganics (mg/kg)		
Aluminum	97.7	
Antimony	0.57	UJ
Arsenic	3.4	
Barium	8.3	J
Beryllium	0.03	U
Cadmium	0.07	U
Chromium	1.2	U
Cobalt	0.28	U

PARAMETER	RESULT	QUAL
Copper	4.6	
Cyanide	0.22	U
Iron	109	
Lead	7	
Manganese	4	
Mercury	0.02	U
Nickel	0.57	U
Selenium	0.57	UJ
Silver	0.28	U
Thallium	0.57	UJ
Vanadium	1.6	
Zinc	0.57	UJ
Pesticides/PCBs (µg/kg)		
2,4,5-T	2.9	U
2,4,5-TP (silvex)	2.9	U
2,4-D	2.9	U
4,4'-DDD	1.9	U
4,4'-DDE	1.9	U
4,4'-DDT	1.9	U
Aldrin	0.96	U
alpha-BHC	1.1	
Aroclor-1016	6	U
Aroclor-1221	6	U
Aroclor-1232	6	U
Aroclor-1242	6	U
Aroclor-1248	6	U
Aroclor-1254	6	U
Aroclor-1260	6	U
beta-BHC	0.96	U
Chlordane	12.1	U
delta-BHC	0.96	U
Dieldrin	1.9	U
Endosulfan I	0.96	U
Endosulfan II	1.9	U
Endosulfan sulfate	1.9	U
Endrin	1.9	U
Endrin aldehyde	1.9	U
gamma-BHC (lindane)	0.96	U
Heptachlor	1.1	
Heptachlor epoxide	0.96	U
Methoxychlor	9.6	U
Methyl parathion	2.4	U
Parathion	2.4	U
Phorate	2.4	U
Toxaphene	48.3	U
Semivolatile Organic Compounds (µg/kg)		
1,2-dichlorobenzene	2.9	U
1,3-dichlorobenzene	2.9	U
1,4-dichlorobenzene	2.9	U
Acenaphthene	487	UJ

PARAMETER	RESULT	QUAL
Acenaphthylene	487	UJ
Anthracene	487	UJ
Benzo(a)anthracene	487	UJ
Benzo(a)pyrene	487	UJ
Benzo(b)fluoranthene	487	UJ
Benzo(g,h,i)perylene	487	UJ
Benzo(k)fluoranthene	487	UJ
Chrysene	487	UJ
Dibenzo(a,h)anthracene	487	UJ
Fluoranthene	487	UJ
Fluorene	487	UJ
Indeno(1,2,3-cd)pyrene	487	UJ
Naphthalene	487	UJ
Phenanthrene	487	UJ
Pyrene	487	UJ
Volatile Organic Compounds (µg/kg)		
Benzene	2.9	U
Chlorobenzene	2.9	U
Ethylbenzene	2.9	U
Toluene	2.9	U
Xylenes, total	8.8	U
B4SS-2 B4SS-2 B&RE 0 in		
Inorganics (mg/kg)		
Aluminum	186	
Antimony	0.66	UJ
Arsenic	1.8	
Barium	7.6	J
Beryllium	0.03	U
Cadmium	0.08	U
Chromium	1.7	U
Cobalt	0.33	U
Copper	5.7	
Cyanide	0.12	UJ
Iron	272	
Lead	8.4	
Manganese	6.6	
Mercury	0.07	
Nickel	0.66	U
Selenium	0.66	UJ
Silver	0.33	U
Thallium	0.66	UJ
Vanadium	2.4	J
Zinc	0.66	UJ
Pesticides/PCBs (µg/kg)		
2,4,5-T	3.4	U
2,4,5-TP (silvex)	3.4	U
2,4-D	24.7	J
4,4'-DDD	2.3	U
4,4'-DDE		U
4,4'-DDT		U

Keywest MOD01 Supplemental RFI/RI Background Samples
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PARAMETER	RESULT	QUAL
Aldrin	1.1	U
alpha-BHC	1.2	
Aroclor-1016	7.2	U
Aroclor-1221	7.2	U
Aroclor-1232	7.2	U
Aroclor-1242	7.2	U
Aroclor-1248	7.2	U
Aroclor-1254	7.2	U
Aroclor-1260	7.2	U
beta-BHC	1.1	U
Chlordane	14.4	U
delta-BHC	1.1	U
Dieldrin	2.3	U
Endosulfan I	1.2	
Endosulfan II	2.3	U
Endosulfan sulfate	2.3	U
Endrin	2.3	U
Endrin aldehyde	2.3	U
gamma-BHC (lindane)	1.3	J
Heptachlor	1.3	J
Heptachlor epoxide	1.1	U
Methoxychlor	11.5	U
Methyl parathion	2.9	U
Parathion	2.9	U
Phorate	2.9	U
Toxaphene	57.5	U
Semivolatile Organic Compounds (µg/kg)		
1,2-dichlorobenzene	3.5	U
1,3-dichlorobenzene	5.9	
1,4-dichlorobenzene	3.5	U
Acenaphthene	577	UJ
Acenaphthylene	577	UJ
Anthracene	577	UJ
Benzo(a)anthracene	577	UJ
Benzo(a)pyrene	577	UJ
Benzo(b)fluoranthene	577	UJ
Benzo(g,h,i)perylene	577	UJ
Benzo(k)fluoranthene	577	UJ
Chrysene	577	UJ
Dibenzo(a,h)anthracene	577	UJ
Fluoranthene	577	UJ
Fluorene	577	UJ
Indeno(1,2,3-cd)pyrene	577	UJ
Naphthalene	577	UJ
Phenanthrene	577	UJ
Pyrene	577	UJ
Volatile Organic Compounds (µg/kg)		
Benzene	3.5	U
Chlorobenzene	3.5	U
Ethylbenzene	3.5	U

PARAMETER	RESULT	QUAL
Toluene	16.9	
Xylenes, total	10.5	U
BG 5		
B5SS-1 B5SS-1 B&RE 0 in		
Inorganics (mg/kg)		
Aluminum	636	
Antimony	0.81	UJ
Arsenic	2.3	
Barium	13.2	J
Beryllium	0.04	U
Cadmium	0.15	U
Chromium	4.9	U
Cobalt	0.4	U
Copper	6.2	
Cyanide	0.29	U
Iron	528	
Lead	6.8	
Manganese	12.5	
Mercury	0.04	
Nickel	1.3	
Selenium	0.81	UJ
Silver	0.4	U
Thallium	0.81	UJ
Vanadium	3.4	J
Zinc	0.81	UJ
Pesticides/PCBs (µg/kg)		
2,4,5-T	4	UR
2,4,5-TP (silvex)	4	UR
2,4-D	4	UR
4,4'-DDD	2.7	U
4,4'-DDE	2.7	U
4,4'-DDT	2.7	U
Aldrin	1.3	U
alpha-BHC	1.5	
Aroclor-1016	8.4	U
Aroclor-1221	8.4	U
Aroclor-1232	8.4	U
Aroclor-1242	8.4	U
Aroclor-1248	8.4	U
Aroclor-1254	8.4	U
Aroclor-1260	8.4	U
beta-BHC	1.3	U
Chlordane	16.7	U
delta-BHC	1.3	U
Dieldrin	2.7	U
Endosulfan I	1.3	U
Endosulfan II	2.7	U
Endosulfan sulfate	2.7	U
Endrin	2.7	U
Endrin aldehyde	2.7	U

PARAMETER	RESULT	QUAL
gamma-BHC (lindane)	2.1	
Heptachlor	1.3	U
Heptachlor epoxide	1.3	U
Methoxychlor	13.4	U
Methyl parathion	3.3	U
Parathion	3.3	U
Phorate	3.3	U
Toxaphene	66.8	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4-trichlorobenzene	669	UJ
1,2-dichlorobenzene	4.1	U
1,3-dichlorobenzene	4.1	U
1,4-dichlorobenzene	4.1	U
2,4-dinitrotoluene	669	UJ
Acenaphthene	669	UJ
Acenaphthylene	669	UJ
Anthracene	669	UJ
Benzo(a)anthracene	669	UJ
Benzo(a)pyrene	669	UJ
Benzo(b)fluoranthene	669	UJ
Benzo(g,h,i)perylene	669	UJ
Benzo(k)fluoranthene	669	UJ
Chrysene	669	UJ
Dibenzo(a,h)anthracene	669	UJ
Fluoranthene	669	UJ
Fluorene	669	UJ
Indeno(1,2,3-cd)pyrene	669	UJ
N-nitroso-di-n-propylamine	669	UJ
Naphthalene	669	UJ
Phenanthrene	669	UJ
Pyrene	669	UJ
Volatile Organic Compounds (µg/kg)		
Benzene	4.1	U
Chlorobenzene	4.1	U
Ethylbenzene	4.1	U
Toluene	3.5	J
Xylenes, total	12	U
BG 6		
B6SS B6SS B&RE 0 in		
Inorganics (mg/kg)		
Aluminum	945	
Antimony	0.96	UJ
Arsenic	8.1	U
Barium	7.2	
Beryllium	0.05	U
Cadmium	0.72	U
Chromium	6.2	
Cobalt	0.49	U
Copper	14	
Cyanide	0.17	UJ

PARAMETER	RESULT	QUAL
Iron	3640	
Lead	23.7	
Manganese	14.3	
Mercury	0.05	
Nickel	3.6	
Selenium	0.98	UJ
Silver	0.49	U
Thallium	0.98	UJ
Vanadium	11.7	
Zinc	140	
Pesticides/PCBs (µg/kg)		
2,4,5-T	5.1	U
2,4,5-TP (silvex)	5.1	U
2,4-D	5.1	U
4,4'-DDD	3.9	
4,4'-DDE	3.9	
4,4'-DDT	3.7	
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	10.6	U
Aroclor-1221	10.6	U
Aroclor-1232	10.6	U
Aroclor-1242	10.6	U
Aroclor-1248	10.6	U
Aroclor-1254	10.6	U
Aroclor-1260	10.6	U
beta-BHC	1.7	U
Chlordane	21.2	U
delta-BHC	2.8	J
Dieldrin	3.4	U
Endosulfan I	2.7	J
Endosulfan II	3.4	U
Endosulfan sulfate	3.4	U
Endrin	3.4	U
Endrin aldehyde	3.4	U
gamma-BHC (lindane)	2	J
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Methoxychlor	16.9	U
Methyl parathion	4.2	U
Parathion	4.2	U
Phorate	4.2	U
Toxaphene	84.7	U
Semivolatile Organic Compounds (µg/kg)		
1,2-dichlorobenzene	5.1	U
1,3-dichlorobenzene	5.1	U
1,4-dichlorobenzene	5.1	U
Acenaphthene	844	U
Acenaphthylene	844	U
Anthracene	844	U

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PARAMETER	RESULT	QUAL
Benzo(a)anthracene	844	U
Benzo(a)pyrene	844	U
Benzo(b)fluoranthene	844	U
Benzo(g,h,i)perylene	844	U
Benzo(k)fluoranthene	844	U
Chrysene	844	U
Dibenzo(a,h)anthracene	844	U
Fluoranthene	844	U
Fluorene	844	U
Indeno(1,2,3-cd)pyrene	844	U
Naphthalene	844	U
Phenanthrene	844	U
Pyrene	844	U
Volatile Organic Compounds (µg/kg)		
Benzene	5.1	U
Chlorobenzene	5.1	U
Ethylbenzene	5.1	U
Toluene	5	U
Xylenes, total	15.4	U

BG 7

B7SS-1	B7SS-1	B&RE	0 in
Inorganics (mg/kg)			
Aluminum	741		
Antimony	0.88	U	
Arsenic	2.7		
Barium	6.5		
Beryllium	0.04	U	
Cadmium	0.19	U	
Chromium	5.6	U	
Cobalt	0.44	U	
Copper	12.3		
Cyanide	0.14	U	
Iron	736		
Lead	12		
Manganese	4.4		
Mercury	0.03	U	
Nickel	2.4		
Selenium	0.88	U	
Silver	0.5		
Thallium	0.88	U	
Vanadium	6.2		
Zinc	11.6		
Pesticides/PCBs (µg/kg)			
2,4,5-T	4.5	UJ	
2,4,5-TP (silvex)	4.5	UJ	
2,4-D	4.5	UJ	
4,4'-DDD	3	U	
4,4'-DDE	2.2	J	
4,4'-DDT	3	U	
Aldrin	1.5	U	
Aroclor-1016	9.3	U	
Aroclor-1221	9.3	U	
Aroclor-1232	9.3	U	
Aroclor-1242	9.3	U	
Aroclor-1248	9.3	U	
Aroclor-1254	9.3	U	
Aroclor-1260	9.3	U	
beta-BHC	1.5	U	
Chlordane	18.6	U	
delta-BHC	1.5	U	
Dieldrin	3	U	
Endosulfan I	1.5	U	
Endosulfan II	3	U	
Endosulfan sulfate	3	U	
Endrin	3	U	
Endrin aldehyde	3	U	
gamma-BHC (lindane)	1.2	J	
Heptachlor	1.5	U	
Heptachlor epoxide	1.5	U	
Methoxychlor	14.9	U	
Methyl parathion	3.7	U	
Parathion	3.7	U	
Phorate	3.7	U	
Toxaphene	74.4	U	
Semivolatile Organic Compounds (µg/kg)			
1,2,4-trichlorobenzene	739	U	
1,2-dichlorobenzene	4.5	U	
1,3-dichlorobenzene	4.5	U	
1,4-dichlorobenzene	4.5	U	
2,4-dinitrotoluene	739	U	
Acenaphthene	739	U	
Acenaphthylene	739	U	
Anthracene	739	U	
Benzo(a)anthracene	739	U	
Benzo(a)pyrene	739	U	
Benzo(b)fluoranthene	739	U	
Benzo(g,h,i)perylene	739	U	
Benzo(k)fluoranthene	739	U	
Chrysene	739	U	
Dibenzo(a,h)anthracene	739	U	
Fluoranthene	739	U	
Fluorene	739	U	
Indeno(1,2,3-cd)pyrene	739	U	
N-nitroso-di-n-propylamine	739	U	
Naphthalene	739	U	
Phenanthrene	739	U	
Pyrene	739	U	
Volatile Organic Compounds (µg/kg)			
Benzene	4.5	U	
Chlorobenzene	4.5	U	
Ethylbenzene	4.5	U	
Toluene	5	U	
Xylenes, total	13.6	U	

B7SS-2	B7SS-2	B&RE	0 in
Inorganics (mg/kg)			
Aluminum	2280		
Antimony	1.2	U	
Arsenic	7		
Barium	13.2		
Beryllium	0.06	U	
Cadmium	0.12	U	
Chromium	9.2	U	
Cobalt	0.59	U	
Copper	13.8		
Cyanide	0.2	U	
Iron	1370		
Lead	19.8		
Manganese	12.1		
Mercury	0.05	U	
Nickel	4.1		
Selenium	1.2	U	
Silver	0.59	U	
Thallium	1.2	U	
Vanadium	7.7		
Zinc	29.6		
Pesticides/PCBs (µg/kg)			
2,4,5-T	6.1	UJ	
2,4,5-TP (silvex)	6.1	UJ	
2,4-D	6.1	UJ	
4,4'-DDD	4.1	U	
4,4'-DDE	4.1	U	
4,4'-DDT	4.1	U	
Aldrin	2.1	U	
alpha-BHC	2.1	U	
Aroclor-1016	12.9	U	
Aroclor-1221	12.9	U	
Aroclor-1232	12.9	U	
Aroclor-1242	12.9	U	
Aroclor-1248	12.9	U	
Aroclor-1254	12.9	U	
Aroclor-1260	12.9	U	
beta-BHC	2.1	U	
Chlordane	25.8	U	
delta-BHC	2.1	U	
Dieldrin	4.1	U	
Endosulfan I	2.1	U	
Endosulfan II	4.1	U	
Endosulfan sulfate	4.1	U	
Endrin	4.1	U	
Endrin aldehyde	4.1	U	
gamma-BHC (lindane)	2.1	U	
Heptachlor	2.1	U	
Heptachlor epoxide	2.1	U	
Methoxychlor	43.8		
Methyl parathion	5.2	U	
Parathion	5.2	U	
Phorate	5.2	U	
Toxaphene	103	U	
Semivolatile Organic Compounds (µg/kg)			
1,2-dichlorobenzene	6.2	U	
1,3-dichlorobenzene	6.2	U	
1,4-dichlorobenzene	6.2	U	
Acenaphthene	1040	U	
Acenaphthylene	1040	U	
Anthracene	1040	U	
Benzo(a)anthracene	1040	U	
Benzo(a)pyrene	1040	U	
Benzo(b)fluoranthene	1040	U	
Benzo(g,h,i)perylene	1040	U	
Benzo(k)fluoranthene	1040	U	
Chrysene	1040	U	
Dibenzo(a,h)anthracene	1040	U	
Fluoranthene	1040	U	
Fluorene	1040	U	
Indeno(1,2,3-cd)pyrene	1040	U	
Naphthalene	1040	U	
Phenanthrene	1040	U	
Pyrene	1040	U	
Volatile Organic Compounds (µg/kg)			
Benzene	6.2	U	
Chlorobenzene	6.2	U	
Ethylbenzene	6.2	U	
Toluene	6	U	
Xylenes, total	18.8	U	

BG 8

B8SS	B8SS	B&RE	0 in
Inorganics (mg/kg)			
Aluminum	120		
Antimony	0.57	UJ	
Arsenic	1.1	U	
Barium	5.3		
Beryllium	0.03	U	
Cadmium	0.06		
Chromium	3		
Cobalt	0.28	U	
Copper	5.3		
Cyanide	0.1	UJ	
Iron	452		
Lead			
Manganese			

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PARAMETER	RESULT	QUAL
Mercury	0.02	U
Nickel	0.93	
Selenium	0.59	J
Silver	0.28	U
Thallium	0.57	UJ
Vanadium	2.6	
Zinc	0.28	U
Pesticides/PCBs (µg/kg)		
2,4,5-T	28.4	U
2,4,5-TP (silvex)	28.4	U
2,4-D	28.4	U
4,4'-DDD	1.9	U
4,4'-DDE	1.9	U
4,4'-DDT	1.9	U
Aldrin	0.93	U
alpha-BHC	0.93	U
Aroclor-1016	5.8	U
Aroclor-1221	5.8	U
Aroclor-1232	5.8	U
Aroclor-1242	5.8	U
Aroclor-1248	5.8	U
Aroclor-1254	5.8	U
Aroclor-1260	5.8	U
beta-BHC	0.93	U
Chlordane	11.6	U
delta-BHC	0.93	U
Dieldrin	1.9	U
Endosulfan I	1.6	J
Endosulfan II	1.9	U
Endosulfan sulfate	1.9	U
Endrin	1.4	J
Endrin aldehyde	1.9	U
gamma-BHC (lindane)	0.93	U
Heptachlor	0.93	U
Heptachlor epoxide	0.93	U
Methoxychlor	9.3	U
Methyl parathion	2.3	U
Parathion	2.3	U
Phorate	2.3	U
Toxaphene	46.6	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4-trichlorobenzene	467	UJ
1,2-dichlorobenzene	2.8	U
1,3-dichlorobenzene	2.8	U
1,4-dichlorobenzene	2.8	U
2,4-dinitrotoluene	467	UJ
Acenaphthene	467	UJ
Acenaphthylene	467	UJ
Anthracene	467	UJ
Benzo(a)anthracene	467	UJ

PARAMETER	RESULT	QUAL
Benzo(a)pyrene	467	UJ
Benzo(b)fluoranthene	489	J
Benzo(g,h,i)perylene	467	UJ
Benzo(k)fluoranthene	467	UJ
Chrysene	417	J
Dibenzo(a,h)anthracene	467	UJ
Fluoranthene	690	J
Fluorene	467	UJ
Indeno(1,2,3-cd)pyrene	467	UJ
N-nitroso-di-n-propylamine	467	UJ
Naphthalene	467	UJ
Phenanthrene	467	UJ
Pyrene	509	J
Volatile Organic Compounds (µg/kg)		
Benzene	2.8	U
Chlorobenzene	2.8	U
Ethylbenzene	2.8	U
Toluene	3	U
Xylenes, total	8.6	U
SWMU 1		
S1SS-7SD KW02569 BEI(d) 0 in		
Inorganics (mg/kg)		
Aluminum	1970	
Antimony	0.19	U
Arsenic	1.5	
Barium	10.9	
Beryllium	0.12	
Cadmium	0.12	
Chromium	5.3	
Cobalt	0.12	
Copper	0.76	
Cyanide	0.59	U
Iron	898	
Lead	0.14	U
Manganese	17.1	
Mercury	0.013	U
Nickel	0.78	
Selenium	0.24	
Silver	0.12	U
Thallium	0.28	U
Tin	0.99	
Vanadium	3.7	
Zinc	3.5	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	4.8	U
4,4'-DDE	4.8	U
4,4'-DDT	4.8	U
Aldrin	2.4	U
alpha-BHC	2.4	U
Aroclor-1016	24	U

PARAMETER	RESULT	QUAL
Aroclor-1221	24	U
Aroclor-1232	24	U
Aroclor-1242	24	U
Aroclor-1248	24	U
Aroclor-1254	24	U
Aroclor-1260	24	U
beta-BHC	2.4	U
Chlordane	24	U
Chlorobenzilate	930	U
delta-BHC	2.4	U
Dieldrin	4.8	U
Endosulfan I	2.4	U
Endosulfan II	4.8	U
Endosulfan sulfate	4.8	U
Endrin	4.8	U
Endrin aldehyde	4.8	U
Endrin ketone	4.8	U
gamma-BHC (lindane)	2.4	U
Heptachlor	2.4	U
Heptachlor epoxide	2.4	U
Isodrin	930	U
Kepone	1800	U
Methoxychlor	24	U
Toxaphene	240	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	930	U
1,2,4-trichlorobenzene	930	U
1,2-dichlorobenzene	930	U
1,3,5-trinitrobenzene	930	U
1,3-dichlorobenzene	930	U
1,3-dinitrobenzene	930	U
1,4-dichlorobenzene	930	U
1,4-naphthoquinone	930	U
1-naphthylamine	930	U
2,3,4,6-tetrachlorophenol	1800	U
2,4,5-trichlorophenol	4500	U
2,4,6-trichlorophenol	930	U
2,4-dichlorophenol	930	U
2,4-dimethylphenol	930	U
2,4-dinitrophenol	4500	U
2,4-dinitrotoluene	930	U
2,6-dichlorophenol	930	U
2,6-dinitrotoluene	930	U
2-acetylaminofluorene	1800	U
2-chloronaphthalene	930	U
2-chlorophenol	930	U
2-methyl-4,6-dinitrophenol	4500	U
2-methylnaphthalene	930	U
2-methylphenol	930	U
2-naphthylamine	930	U

PARAMETER	RESULT	QUAL
2-nitroaniline	4500	U
2-nitrophenol	930	U
2-picoline	930	U
3 & 4-methylphenol	930	U
3,3'-dichlorobenzidine	1800	U
3-methylcholanthrene	930	U
3-nitroaniline	4500	U
4-aminobiphenyl	930	U
4-bromophenyl phenyl ether	930	U
4-chloro-3-methylphenol	1800	U
4-chloroaniline	1800	U
4-chlorophenyl phenyl ether	930	U
4-nitroaniline	4500	U
4-nitrophenol	4500	U
4-nitroquinoline-1-oxide	930	U
5-nitro-o-toluidine	930	U
7,12-dimethylbenz(a)anthracene	930	U
a,a-dimethylphenethylamine	1800	U
Acenaphthene	930	U
Acenaphthylene	930	U
Acetophenone	930	U
Aniline	930	U
Anthracene	930	U
Aramite	1800	U
Benzo(a)anthracene	930	U
Benzo(a)pyrene	930	U
Benzo(b)fluoranthene	930	U
Benzo(g,h,i)perylene	930	U
Benzo(k)fluoranthene	930	U
Benzyl alcohol	1800	U
Bis(2-chloroethoxy)methane	930	U
Bis(2-chloroethyl)ether	930	U
Bis(2-ethylhexyl)phthalate	930	U
Butyl benzyl phthalate	930	U
Carbazole	930	U
Chrysene	930	U
Di-n-butyl phthalate	930	U
Di-n-octyl phthalate	930	U
Diallate	1800	U
Dibenzo(a,h)anthracene	930	U
Dibenzofuran	930	U
Diethyl phthalate	930	U
Dimethyl phthalate	930	U
Diphenylamine	930	U
Ethyl methacrylate	930	U
Ethyl methanesulfonate	930	U
Fluoranthene	930	U
Fluorene	930	U
Hexachlorobenzene	930	U
Hexachlorobutadiene	930	U

Keywest MOD01 Supplemental RFI/RI Background Samples
Sediment Data Set

PARAMETER	RESULT	QUAL
Hexachlorocyclopentadiene	930	U
Hexachloroethane	930	U
Hexachlorophene	820	
Hexachloropropene	930	U
Indeno(1,2,3-cd)pyrene	930	U
Isophorone	930	U
Isosafrole	930	U
Methapyrilene	930	U
Methyl methanesulfonate	930	U
N-nitroso-di-n-butylamine	930	U
N-nitroso-di-n-propylamine	930	U
N-nitrosodiethylamine	930	U
N-nitrosodimethylamine	930	U
N-nitrosomethylethylamine	930	U
N-nitrosomorpholine	930	U
N-nitrosopiperidine	930	U
N-nitrosopyrrolidine	930	U
Naphthalene	930	U
Nitrobenzene	930	U
o,o,o-triethylphosphorothioate	930	U
o-toluidine	930	U
p-dimethylaminoazobenzene	930	U
p-phenylenediamine	5900	U
Pentachlorobenzene	930	U
Pentachloroethane	930	U
Pentachloronitrobenzene	1800	U
Pentachlorophenol	4500	U
Phenacetin	930	U
Phenanthrene	930	U
Phenol	930	U
Pronamide	1800	U
Pyrene	930	U
Pyridine	930	U
Safrole	930	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	7	U
1,1,1-trichloroethane	7	U
1,1,2,2-tetrachloroethane	7	U
1,1,2-trichloroethane	7	U
1,1-dichloroethane	7	U
1,1-dichloroethene	7	U
1,2,3-trichloropropane	7	U
1,2-dibromo-3-chloropropane	7	U
1,2-dibromoethane	7	U
1,2-dichloroethane	7	U
1,2-dichloroethene	7	U
1,2-dichloropropane	7	U
2-butanone	15	U
2-chloro-1,3-b[illegible]diene	29	U
2-hexanone	15	U

PARAMETER	RESULT	QUAL
3-chloropropene	7	U
4-methyl-2-pentanone	15	U
Acetone	15	U
Acrolein	29	U
Acrylonitrile	15	U
Benzene	7	U
Bis(2-chloroisopropyl)ether	930	U
Bromodichloromethane	7	U
Bromoform	7	U
Bromomethane	15	U
Carbon disulfide	7	U
Carbon tetrachloride	7	U
Chlorobenzene	7	U
Chloroethane	15	U
Chloroform	7	U
Chloromethane	15	U
Cis-1,2-dichloroethene	7	U
Cis-1,3-dichloropropene	7	U
Dibromochloromethane	7	U
Dibromomethane	7	U
Dichlorodifluoromethane	7	U
Ethyl cyanide	7	U
Ethylbenzene	7	U
Iodomethane	7	U
Methacrylonitrile	7	U
Methyl methacrylate	7	U
Methylene chloride	7	U
Styrene	7	U
Tetrachloroethene	7	U
Toluene	7	U
Trans-1,2-dichloroethene	7	U
Trans-1,3-dichloropropene	7	U
Trans-1,4-dichloro-2-butene	7	U
Trichloroethene	7	U
Trichlorofluoromethane	7	U
Vinyl acetate	15	U
Vinyl chloride	15	U
Xylenes, total	7	U
SWMU 4		
S4SS-4 S4SS-4 B&RE 0 in		
Inorganics (mg/kg)		
Aluminum	2810	
Antimony	1	U
Arsenic	2.9	
Barium	9.8	
Beryllium	0.05	U
Cadmium	0.1	U
Chromium	9.9	
Cobalt	0.52	U
Copper	8.5	

PARAMETER	RESULT	QUAL
Cyanide	0.19	UJ
Iron	2060	
Lead	24.3	
Manganese	38.6	
Mercury	0.04	
Nickel	2.6	
Selenium	1	U
Silver	0.52	U
Thallium	1	U
Vanadium	6.2	
Zinc	0.52	U
Pesticides/PCBs (µg/kg)		
Chlorobenzilate	4580	U
Dimethoate	4580	U
Dinoseb	916	U
Disulfoton	916	U
Famphur	916	U
Isodrin	916	U
Kepone	916	U
Sulfotep	916	U
Thionazin	916	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	916	U
1,2,4-trichlorobenzene	916	U
1,2-dichlorobenzene	916	U
1,3,5-trinitrobenzene	4580	U
1,3-dichlorobenzene	916	U
1,3-dinitrobenzene	916	U
1,4-dichlorobenzene	916	U
1,4-dioxane	916	U
1,4-naphthoquinone	916	U
1-naphthylamine	916	U
2,3,4,6-tetrachlorophenol	916	U
2,4,5-trichlorophenol	916	U
2,4,6-trichlorophenol	916	U
2,4-dichlorophenol	916	U
2,4-dimethylphenol	916	U
2,4-dinitrophenol	1830	U
2,4-dinitrotoluene	916	U
2,6-dichlorophenol	916	U
2,6-dinitrotoluene	916	U
2-acetylaminofluorene	916	U
2-chloronaphthalene	916	U
2-chlorophenol	916	U
2-methyl-4,6-dinitrophenol	916	U
2-methylnaphthalene	916	U
2-methylphenol	916	U
2-naphthylamine	916	U
2-nitroaniline	916	U
2-nitrophenol	916	U

PARAMETER	RESULT	QUAL
2-picoline	916	U
3,3'-dichlorobenzidine	1830	U
3,3'-dimethylbenzidine	4580	U
3-methylcholanthrene	916	U
3-nitroaniline	916	U
4-aminobiphenyl	916	U
4-bromophenyl phenyl ether	916	U
4-chloro-3-methylphenol	916	U
4-chloroaniline	916	U
4-chlorophenyl phenyl ether	916	U
4-methylphenol	916	U
4-nitroaniline	916	U
4-nitrophenol	916	U
4-nitroquinoline-1-oxide	916	U
5-nitro-o-toluidine	916	U
7,12-dimethylbenz(a)anthracene	916	U
a,a-dimethylphenethylamine	916	U
Acenaphthene	916	U
Acenaphthylene	916	U
Acetophenone	916	U
Aniline	916	U
Anthracene	916	U
Aramite	916	U
Benzo(a)anthracene	916	U
Benzo(a)pyrene	916	U
Benzo(b)fluoranthene	916	U
Benzo(g,h,i)perylene	916	U
Benzo(k)fluoranthene	916	U
Benzyl alcohol	916	U
Bis(2-chloroethoxy)methane	916	U
Bis(2-chloroethyl)ether	916	U
Bis(2-ethylhexyl)phthalate	916	U
Butyl benzyl phthalate	916	U
Chrysene	916	U
Di-n-butyl phthalate	916	U
Di-n-octyl phthalate	916	U
Diallate	916	U
Dibenzo(a,h)anthracene	916	U
Dibenzofuran	916	U
Diethyl phthalate	916	U
Dimethyl phthalate	916	U
Diphenylamine	916	U
Ethyl methacrylate	916	U
Ethyl methanesulfonate	916	U
Fluoranthene	916	U
Fluorene	916	U
Hexachlorobenzene	916	U
Hexachlorobutadiene	916	U
Hexachlorocyclopentadiene	[illegible]	U
Hexachloroethane	[illegible]	U

Keywest MOD01 Supplemental RFI/RI Background Samples
Sediment Data Set

PARAMETER	RESULT	QUAL
Hexachloropropene	916	U
Indeno(1,2,3-cd)pyrene	916	U
Isophorone	916	U
Isosafrole	916	U
Methapyrilene	4580	U
Methyl methanesulfonate	916	U
N-nitroso-di-n-butylamine	916	U
N-nitroso-di-n-propylamine	916	U
N-nitrosodiethylamine	916	U
N-nitrosodimethylamine	916	U
N-nitrosodiphenylamine	916	U
N-nitrosomethylethylamine	916	U
N-nitrosomorpholine	916	U
N-nitrosopiperidine	916	U
N-nitrosopyrrolidine	916	U
Naphthalene	916	U
Nitrobenzene	916	U
o,o,o-triethylphosphorothioate	916	U
o-toluidine	916	U
p-dimethylaminoazobenzene	916	U
p-phenylenediamine	1830	U
Pentachlorobenzene	916	U
Pentachloroethane	916	U
Pentachloronitrobenzene	916	U
Pentachlorophenol	916	U
Phenacetin	916	U
Phenanthrene	916	U
Phenol	916	U
Pronamide	916	U
Pyrene	916	U
Pyridine	916	U
Safrole	916	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	5.6	U
1,1,1-trichloroethane	5.6	U
1,1,2,2-tetrachloroethane	5.6	U
1,1,2-trichloroethane	5.6	U
1,1-dichloroethane	5.6	U
1,1-dichloroethene	5.6	U
1,2,3-trichloropropane	2.8	U
1,2-dibromo-3-chloropropane	2.8	U
1,2-dibromoethane	2.8	U
1,2-dichloroethane	5.6	U
1,2-dichloropropane	5.6	U
2-butanone	13.9	U
2-chloro-1,3-butadiene	2.8	UR
2-hexanone	13.9	U
3-chloropropene	13.9	U
4-methyl-2-pentanone	13.9	U
Acetone	27.8	U

PARAMETER	RESULT	QUAL
Acetonitrile	13.9	U
Acrolein	27.8	UR
Acrylonitrile	27.8	U
Benzene	5.6	U
Bis(2-chloroisopropyl)ether	27.8	U
Bromodichloromethane	5.6	U
Bromoform	5.6	U
Bromomethane	5.6	U
Carbon disulfide	13.9	U
Carbon tetrachloride	5.6	U
Chlorobenzene	5.6	U
Chloroethane	5.6	U
Chloroform	5.6	U
Chloromethane	5.6	U
Cis-1,3-dichloropropene	5.6	U
Dibromochloromethane	5.6	U
Dibromomethane	5.6	U
Dichlorodifluoromethane	5.6	U
Ethyl cyanide	27.8	UR
Ethylbenzene	5.6	U
Iodomethane	6.9	U
Isobutanol	27.8	UR
Methacrylonitrile	13.9	UR
Methyl methacrylate	13.9	U
Methylene chloride	14	U
Styrene	5.6	U
Tetrachloroethene	2	J
Toluene	6	U
Trans-1,2-dichloroethene	5.6	U
Trans-1,3-dichloropropene	5.6	U
Trans-1,4-dichloro-2-butene	13.9	U
Trichloroethene	5.6	U
Trichlorofluoromethane	5.6	U
Vinyl acetate	13.9	U
Vinyl chloride	5.6	U
Xylenes, total	11.1	U
S4BG-1 AS1123 IT(1994) 0 in		
Inorganics (mg/kg)		
Antimony	9.4	U
Arsenic	1.6	B
Barium	6.1	B
Beryllium	0.31	U
Cadmium	1.6	U
Chromium	9.8	
Cobalt	6.3	U
Copper	4.9	B
Cyanide	10	U
Lead	28.6	
Mercury	0.06	U
Nickel	6.3	U

PARAMETER	RESULT	QUAL
Selenium	0.63	U
Silver	1.6	U
Sulfide	340	
Thallium	0.63	U
Tin	9.4	U
Vanadium	3.4	B
Zinc	54.7	
Pesticides/PCBs (µg/kg)		
2,4,5-T	170	U
2,4,5-TP (silvex)	170	U
2,4-D	170	U
4,4'-DDD	50	U
4,4'-DDE	50	U
4,4'-DDT	50	U
Aldrin	25	U
alpha-BHC	25	U
alpha-chlordane	250	U
Aroclor-1016	250	U
Aroclor-1221	250	U
Aroclor-1232	250	U
Aroclor-1242	250	U
Aroclor-1248	250	U
Aroclor-1254	500	U
Aroclor-1260	500	U
beta-BHC	25	U
Chlorobenzilate	250	U
delta-BHC	25	U
Dieldrin	50	U
Dimethoate	196	U
Dinoseb	9900	U
Disulfoton	196	U
Endosulfan I	25	U
Endosulfan II	50	U
Endosulfan sulfate	50	U
Endrin	50	U
Endrin ketone	50	U
Famphur	196	U
gamma-BHC (lindane)	25	U
gamma-chlordane	250	U
Heptachlor	25	U
Heptachlor epoxide	25	U
Isodrin	25	U
Kepone	50	U
Methoxychlor	250	U
Methyl parathion	196	U
Parathion	196	U
Phorate	196	U
Sulfotep	196	U
Thionazin	98	U
Toxaphene	500	U

PARAMETER	RESULT	QUAL
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	4900	U
1,2,4-trichlorobenzene	4900	U
1,2-dichlorobenzene	4900	U
1,3,5-trinitrobenzene	4900	U
1,3-dichlorobenzene	4900	U
1,3-dinitrobenzene	4900	U
1,4-dichlorobenzene	4900	U
1,4-dioxane	2900	U
1,4-naphthoquinone	4900	U
1-naphthylamine	59000	U
2,3,4,6-tetrachlorophenol	4900	U
2,4,5-trichlorophenol	24000	U
2,4,6-trichlorophenol	4900	U
2,4-dichlorophenol	4900	U
2,4-dimethylphenol	4900	U
2,4-dinitrophenol	24000	U
2,4-dinitrotoluene	4900	U
2,6-dinitrotoluene	4900	U
2-acetylaminofluorene	4900	U
2-chloronaphthalene	4900	U
2-chlorophenol	4900	U
2-methyl-4,6-dinitrophenol	24000	U
2-methylnaphthalene	4900	U
2-methylphenol	4900	U
2-naphthylamine	84000	U
2-nitroaniline	24000	U
2-nitrophenol	4900	U
2-picoline	34000	U
3,3'-dichlorobenzidine	9700	U
3,3'-dimethylbenzidine	40000	U
3-methylcholanthrene	15000	U
3-methylphenol	4900	U
3-nitroaniline	24000	U
4-aminobiphenyl	25000	U
4-bromophenyl phenyl ether	4900	U
4-chloro-3-methylphenol	4900	U
4-chloroaniline	4900	U
4-chlorophenyl phenyl ether	4900	U
4-methylphenol	4900	U
4-nitroaniline	24000	U
4-nitrophenol	24000	U
4-nitroquinoline-1-oxide	4900	U
5-nitro-o-toluidine	9900	U
7,12-dimethylbenz(a)anthracene	9900	U
a,a-dimethylphenethylamine	4900	U
Acenaphthene	4900	U
Acenaphthylene	4900	U
Acetophenone	4900	U
Aniline	4900	U

Keywest MOD01 Supplemental RFI/RI Background Samples
Sediment Data Set

PARAMETER	RESULT	QUAL
Anthracene	4900	U
Aramite	4900	U
Benzo(a)anthracene	4900	U
Benzo(a)pyrene	4900	U
Benzo(b)fluoranthene	4900	U
Benzo(g,h,i)perylene	4900	U
Benzo(k)fluoranthene	4900	U
Benzoic acid	24000	U
Benzyl alcohol	4900	U
Bis(2-chloroethoxy)methane	4900	U
Bis(2-chloroethyl)ether	4900	U
Bis(2-ethylhexyl)phthalate	4500	J
Butyl benzyl phthalate	4900	U
Chrysene	4900	U
Di-n-butyl phthalate	4900	U
Di-n-octyl phthalate	4900	U
Diallate	4900	U
Dibenzo(a,h)anthracene	4900	U
Dibenzofuran	4900	U
Diethyl phthalate	4900	U
Dimethyl phthalate	4900	U
Diphenylamine	4900	U
Ethyl methacrylate	29	U
Ethyl methanesulfonate	4900	U
Fluoranthene	4900	U
Fluorene	4900	U
Hexachlorobenzene	4900	U
Hexachlorobutadiene	4900	U
Hexachlorocyclopentadiene	4900	U
Hexachloroethane	4900	U
Hexachlorophene	25000	U
Hexachloropropene	9900	U
Indeno(1,2,3-cd)pyrene	4900	U
Isophorone	4900	U
Isosafrole	4900	U
Methapyrilene	20000	U
Methyl methanesulfonate	4900	U
N-nitroso-di-n-butylamine	9900	U
N-nitroso-di-n-propylamine	4900	U
N-nitrosodiethylamine	4900	U
N-nitrosodimethylamine	4900	U
N-nitrosodiphenylamine	4900	U
N-nitrosomethylethylamine	4900	U
N-nitrosopiperidine	4900	U
N-nitrosopyrrolidine	4900	U
Naphthalene	4900	U
Nitrobenzene	4900	U
o,o,o-triethylphosphorothioate	4900	U
o-toluidine	4900	U
p-dimethyla benzene	15000	U

PARAMETER	RESULT	QUAL
p-phenylenediamine	25000	U
Pentachlorobenzene	9900	U
Pentachloroethane	9900	U
Pentachloronitrobenzene	9900	U
Pentachlorophenol	24000	U
Phenacetin	4900	U
Phenanthrene	4900	U
Phenol	4900	U
Pronamide	15000	U
Pyrene	4900	U
Pyridine	4900	U
Safrole	4900	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	15	U
1,1,1-trichloroethane	15	U
1,1,2,2-tetrachloroethane	15	U
1,1,2-trichloroethane	15	U
1,1-dichloroethane	15	U
1,2,3-trichloropropane	15	U
1,2-dibromo-3-chloropropane	15	U
1,2-dibromoethane	15	U
1,2-dichloroethane	15	U
1,2-dichloropropane	15	U
2-butanone	4	J
2-chloro-1,3-butadiene	15	U
2-hexanone	29	U
3-chloropropene	15	U
4-methyl-2-pentanone	29	U
Acetone	120	
Acetonitrile	290	U
Acrolein	29	U
Acrylonitrile	29	U
Benzene	15	U
Bis(2-chloroisopropyl)ether	4900	U
Bromodichloromethane	15	U
Bromoform	15	U
Bromomethane	29	U
Carbon disulfide	15	U
Carbon tetrachloride	15	U
Chlorobenzene	15	U
Chloroethane	29	U
Chloroform	15	U
Chloromethane	29	U
Cis-1,2-dichloroethene	15	U
Cis-1,3-dichloropropene	15	U
Dibromochloromethane	15	U
Dibromomethane	15	U
Dichlorodifluoromethane	59	U
Ethyl cyanide	290	U
Ethylbenzene	15	U

PARAMETER	RESULT	QUAL
Iodomethane	15	U
Methacrylonitrile	29	U
Methyl methacrylate	29	U
Methylene chloride	20	B
Styrene	15	U
Tetrachloroethene	15	U
Toluene	15	U
Trans-1,2-dichloroethene	15	U
Trans-1,3-dichloropropene	15	U
Trans-1,4-dichloro-2-butene	59	U
Trichloroethene	15	U
Trichlorofluoromethane	15	U
Vinyl acetate	29	U
Vinyl chloride	29	U
Xylenes, total	15	U

PARAMETER	RESULT	QUAL

KEY WEST MOD01
SUPPLEMENTAL RFI/RI BACKGROUND SAMPLES

SURFACE WATER DATA SET

Keywest MOD01 Supplemental RFI/RI Background Samples
Surface Water Data Set

PARAMETER	RESULT	QUAL
BG 1		
BG1SW-01 BG1SW-01 B&RE		
Inorganics		
Aluminum	11.1	U
Antimony	2.6	U
Arsenic	4.9	U
Barium	7.9	
Beryllium	0.3	U
Cadmium	0.4	U
Chromium	0.9	U
Cobalt	0.8	U
Copper	1.2	U
Cyanide	2.5	U
Iron	3	U
Lead	1.8	U
Manganese	0.6	U
Mercury	0.48	
Nickel	1.3	U
Selenium	4.8	U
Silver	0.7	U
Thallium	4.5	U
Vanadium	0.7	U
Zinc	1.4	U
Pesticides/PCBs		
2,4,5-T	0.19	U
2,4,5-TP (silvex)	0.096	U
2,4-D	0.19	U
4,4'-DDD	0.039	U
4,4'-DDE	0.039	U
4,4'-DDT	0.039	U
Aldrin	0.019	U
alpha-BHC	0.019	U
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.019	U
Chlordane	0.24	U
Chlorobenzilate	50	U
delta-BHC	0.019	U
Dieldrin	0.039	U
Dimethoate	50	U
Dinoseb	10	U
Disulfoton	10	U
Endosulfan I	0.019	U
Endosulfan II	0.039	U
Endosulfan sulfate	0.039	U
Endrin	0.039	U
Endrin aldehyde	0.039	U
Famphur	10	U
gamma-BHC (lindane)	0.019	U
Heptachlor	0.019	U
Heptachlor epoxide	0.019	U
Isodrin	10	U
Kepone	10	U
Methoxychlor	0.19	U
Methyl parathion	0.048	U
Parathion	0.048	U
Phorate	0.048	U
Sulfotep	10	U
Thionazin	10	U
Toxaphene	0.97	U
Semivolatile Organic Compounds		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	50	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	10	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	20	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	10	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	U
2-picoline	10	U
3 & 4-methylphenol	10	U
3,3'-dichlorobenzidine	50	U
3,3'-dimethylbenzidine	50	UR
3-methylcholanthrene	10	U
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-nitroaniline	10	U
4-nitrophenol	10	U
4-nitroquinoline-1-oxide	10	UR
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	50	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U
Pentachloronitrobenzene	10	U
Pentachlorophenol	10	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
Volatile Organic Compounds		
1,1,1,2-tetrachloroethane	2	U
1,1,1-trichloroethane	2	U
1,1,2,2-tetrachloroethane	2	U
1,1,2-trichloroethane	2	U
1,1-dichloroethane	2	U
1,1-dichloroethene	2	U
1,2,3-trichloropropane	2	U
1,2-dibromo-3-chloropropane	2	U
1,2-dibromoethane	2	U
1,2-dichloroethane	2	U
1,2-dichloropropane	2	U
2-butanone	5	U
2-chloro-1,3-butadiene	2	U
2-hexanone	5	U
3-chloropropene	10	U
4-methyl-2-pentanone	5	U
Acetone	2	U
Acetonitrile	10	U
Acrolein	20	UR
Acrylonitrile	20	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromodichloromethane	2	U

Keywest MOD01 Supplemental RFI/RI Background Samples
Surface Water Data Set

PARAMETER	RESULT	QUAL
Bromoform	2	U
Bromomethane	2	U
Carbon disulfide	5	U
Carbon tetrachloride	2	U
Chlorobenzene	2	U
Chloroethane	2	U
Chloroform	2	U
Chloromethane	2	U
Cis-1,3-dichloropropene	2	U
Dibromochloromethane	2	U
Dibromomethane	2	U
Dichlorodifluoromethane	2	U
Ethyl cyanide	20	UR
Ethylbenzene	2	U
Iodomethane	5	U
Isobutanol	20	U
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	2	U
Styrene	2	U
Tetrachloroethene	2	U
Toluene	2	U
Trans-1,2-dichloroethene	2	U
Trans-1,3-dichloropropene	2	U
Trans-1,4-dichloro-2-butene	10	U
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl acetate	5	U
Vinyl chloride	2	U
Xylenes, total	6	U

BG 2

BG2SW-01	BG2SW-01	B&RE
Inorganics		
Aluminum	11.1	U
Antimony	3.5	
Arsenic	5.5	U
Barium	7	
Beryllium	0.3	U
Cadmium	0.4	U
Chromium	0.9	U
Cobalt	0.8	U
Copper	1.2	U
Cyanide	3.1	U
Iron	3	U
Lead	1.8	U
Manganese	1.2	U
Mercury	0.1	U
Nickel	1.3	U
Selenium	4.8	U
Silver	0.7	U
Thallium	12	
Vanadium	0.7	U
Zinc	2.8	U
Pesticides/PCBs		
2,4,5-T	0.2	U
2,4,5-TP (silvex)	0.1	U
2,4-D	0.2	U
4,4'-DDD	0.04	U
4,4'-DDE	0.04	U
4,4'-DDT	0.04	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U
Chlordane	0.25	U
Chlorobenzilate	50	U
delta-BHC	0.02	U
Dieldrin	0.04	U
Dimethoate	50	U
Dinoseb	10	U
Disulfoton	10	U
Endosulfan I	0.02	U
Endosulfan II	0.04	U
Endosulfan sulfate	0.04	U
Endrin	0.04	U
Endrin aldehyde	0.04	U
Famphur	10	U
gamma-BHC (lindane)	0.02	U
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Isodrin	10	U
Kepone	10	U
Methoxychlor	0.2	U
Methyl parathion	0.05	U
Parathion	0.05	U
Phorate	0.05	U
Sulfotep	10	U
Thionazin	10	U
Toxaphene	1	U
Semivolatile Organic Compounds		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	50	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	10	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	20	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	10	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	U
2-picoline	10	U
3 & 4-methylphenol	10	U
3,3'-dichlorobenzidine	50	U
3,3'-dimethylbenzidine	50	UR
3-methylcholanthrene	10	U
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-nitroaniline	10	U
4-nitrophenol	10	U
4-nitroquinoline-1-oxide	10	UR
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	50	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U
Pentachloronitrobenzene	10	U
Pentachlorophenol	10	U
Phenacetin	[illegible]	U

Keywest MOD01 Supplemental RFI/RI Background Samples
Surface Water Data Set

PARAMETER	RESULT	QUAL
Phenanthrene	10	U
Phenol	10	U
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
Volatile Organic Compounds		
1,1,1,2-tetrachloroethane	2	U
1,1,1-trichloroethane	2	U
1,1,2,2-tetrachloroethane	2	U
1,1,2-trichloroethane	2	U
1,1-dichloroethane	2	U
1,1-dichloroethene	2	U
1,2,3-trichloropropane	2	U
1,2-dibromo-3-chloropropane	2	U
1,2-dibromoethane	2	U
1,2-dichloroethane	2	U
1,2-dichloropropane	2	U
2-butanone	5	U
2-chloro-1,3-butadiene	2	U
2-hexanone	5	U
3-chloropropene	10	U
4-methyl-2-pentanone	5	U
Acetone	2	U
Acetonitrile	10	U
Acrolein	20	UR
Acrylonitrile	20	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromodichloromethane	2	U
Bromoform	2	U
Bromomethane	2	U
Carbon disulfide	5	U
Carbon tetrachloride	2	U
Chlorobenzene	2	U
Chloroethane	2	U
Chloroform	2	U
Chloromethane	2	U
Cis-1,3-dichloropropene	2	U
Dibromochloromethane	2	U
Dibromomethane	2	U
Dichlorodifluoromethane	2	U
Ethyl cyanide	20	UR
Ethylbenzene	2	U
Iodomethane	5	U
Isobutanol	20	U
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	2	U
Styrene	2	U

PARAMETER	RESULT	QUAL
Tetrachloroethene	2	U
Toluene	2	U
Trans-1,2-dichloroethene	2	U
Trans-1,3-dichloropropene	2	U
Trans-1,4-dichloro-2-butene	10	U
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl acetate	5	U
Vinyl chloride	2	U
Xylenes, total	6	U

BG 3

BG3SW-01	BG3SW-01	B&RE
Inorganics		
Aluminum	11.1	U
Antimony	7.3	
Arsenic	4.9	U
Barium	5.8	
Beryllium	0.3	U
Cadmium	0.4	U
Chromium	0.9	U
Cobalt	0.8	U
Copper	1.2	U
Cyanide	0.97	U
Iron	3	U
Lead	3.9	U
Manganese	1.2	U
Mercury	0.1	U
Nickel	1.3	U
Selenium	4.8	U
Silver	0.7	U
Thallium	7.4	
Vanadium	0.7	U
Zinc	2.8	U
Pesticides/PCBs		
2,4,5-T	0.2	U
2,4,5-TP (silvex)	0.098	U
2,4-D	0.2	U
4,4'-DDD	0.04	U
4,4'-DDE	0.04	U
4,4'-DDT	0.04	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U

PARAMETER	RESULT	QUAL
Chlordane	0.25	U
Chlorobenzilate	50	U
delta-BHC	0.02	U
Dieldrin	0.04	U
Dimethoate	50	U
Dinoseb	10	U
Disulfoton	10	U
Endosulfan I	0.02	U
Endosulfan II	0.04	U
Endosulfan sulfate	0.04	U
Endrin	0.04	U
Endrin aldehyde	0.04	U
Famphur	10	U
gamma-BHC (lindane)	0.02	U
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Isodrin	10	U
Kepone	10	U
Methoxychlor	0.2	U
Methyl parathion	0.05	U
Parathion	0.05	U
Phorate	0.05	U
Sulfotep	10	U
Thionazin	10	U
Toxaphene	1	U
Semivolatile Organic Compounds		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	50	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	10	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	20	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	10	U
2-methylnaphthalene	10	U

PARAMETER	RESULT	QUAL
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	U
2-picoline	10	U
3 & 4-methylphenol	10	U
3,3'-dichlorobenzidine	50	U
3,3'-dimethylbenzidine	50	UR
3-methylcholanthrene	10	U
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-nitroaniline	10	U
4-nitrophenol	10	U
4-nitroquinoline-1-oxide	10	UR
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U

Keywest MOD01 Supplemental RFI/RI Background Samples
Surface Water Data Set

PARAMETER	RESULT	QUAL
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	50	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U
Pentachloronitrobenzene	10	U
Pentachlorophenol	10	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
Volatile Organic Compounds		
1,1,1,2-tetrachloroethane	2	U
1,1,1-trichloroethane	2	U
1,1,2,2-tetrachloroethane	2	U
1,1,2-trichloroethane	2	U
1,1-dichloroethane	2	U
1,1-dichloroethene	2	U
1,2,3-trichloropropane	2	U
1,2-dibromo-3-chloropropane	2	U
1,2-dibromoethane	2	U
1,2-dichloroethane	2	U
1,2-dichloropropane	2	U
2-butanone	5	U
2-chloro-1,' ene	2	U

PARAMETER	RESULT	QUAL
2-hexanone	5	U
3-chloropropene	10	U
4-methyl-2-pentanone	5	U
Acetone	2	U
Acetonitrile	10	U
Acrolein	20	UR
Acrylonitrile	20	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromodichloromethane	2	U
Bromoform	2	U
Bromomethane	2	U
Carbon disulfide	5	U
Carbon tetrachloride	2	U
Chlorobenzene	2	U
Chloroethane	2	U
Chloroform	2	U
Chloromethane	2	U
Cis-1,3-dichloropropene	2	U
Dibromochloromethane	2	U
Dibromomethane	2	U
Dichlorodifluoromethane	2	U
Ethyl cyanide	20	UR
Ethylbenzene	2	U
Iodomethane	5	U
Isobutanol	20	U
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	2	U
Styrene	2	U
Tetrachloroethene	2	U
Toluene	2	U
Trans-1,2-dichloroethene	2	U
Trans-1,3-dichloropropene	2	U
Trans-1,4-dichloro-2-butene	10	U
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl acetate	5	U
Vinyl chloride	2	U
Xylenes, total	6	U

BG 4

B4SW	B4SW	B&RE
Inorganics		
Aluminum	28	U
Antimony	4	UJ
Arsenic	6.1	U
Barium	6.6	J
Beryllium	0.2	U
Cadmium	0.4	UJ
Chromium	2	U

PARAMETER	RESULT	QUAL
Cobalt	2	U
Copper	4	UJ
Cyanide	1.5	UR
Iron	4	U
Lead	3.2	U
Manganese	2	UJ
Mercury	0.36	
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	UJ
Vanadium	2	U
Zinc	2	UJ
Pesticides/PCBs		
2,4,5-T	0.097	U
2,4,5-TP (silvex)	0.097	U
2,4-D	0.097	U
4,4'-DDD	0.04	U
4,4'-DDE	0.04	U
4,4'-DDT	0.04	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U
Chlordane	0.25	U
delta-BHC	0.02	U
Dieldrin	0.04	U
Endosulfan I	0.02	U
Endosulfan II	0.04	U
Endosulfan sulfate	0.04	U
Endrin	0.04	U
Endrin aldehyde	0.04	U
gamma-BHC (lindane)	0.02	U
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.05	U
Parathion	0.05	U
Phorate	0.05	U
Toxaphene	1	U
Semivolatile Organic Compounds		
1,2-dichlorobenzene	2	U
1,3-dichlorobenzene	2	U
1,4-dichlorobenzene	2	U

PARAMETER	RESULT	QUAL
1-methylnaphthalene	10	U
2-methylnaphthalene	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Chrysene	10	U
Dibenzo(a,h)anthracene	10	U
Fluoranthene	10	U
Fluorene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Naphthalene	10	U
Phenanthrene	10	U
Pyrene	10	U
Volatile Organic Compounds		
Benzene	2	U
Chlorobenzene	2	U
Ethylbenzene	2	U
Toluene	2	U
Xylenes, total	6	U

BG 5

B5SW	B5SW	B&RE
Inorganics		
Aluminum	28	U
Antimony	4	UJ
Arsenic	4	U
Barium	6.5	J
Beryllium	0.2	U
Cadmium	0.4	UJ
Chromium	2	U
Cobalt	2	U
Copper	4	UJ
Cyanide	1.4	UR
Iron	4	U
Lead	5.1	U
Manganese	2	UJ
Mercury	0.41	
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	UJ
Vanadium	2	U
Zinc	2	UJ
Pesticides/PCBs		
2,4,5-T	[illegible]	U
2,4,5-TP (silvex)		U

Keywest MOD01 Supplemental RFI/RI Background Samples
Surface Water Data Set

PARAMETER	RESULT	QUAL
2,4-D	0.096	U
4,4'-DDD	0.04	U
4,4'-DDE	0.04	U
4,4'-DDT	0.04	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U
Chlordane	0.25	U
delta-BHC	0.02	U
Dieldrin	0.04	U
Endosulfan I	0.02	U
Endosulfan II	0.04	U
Endosulfan sulfate	0.04	U
Endrin	0.04	U
Endrin aldehyde	0.04	U
gamma-BHC (lindane)	0.02	U
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.05	U
Parathion	0.05	U
Phorate	0.05	U
Toxaphene	1	U
Semivolatile Organic Compounds		
1,2-dichlorobenzene	2	U
1,3-dichlorobenzene	2	U
1,4-dichlorobenzene	2	U
1-methylnaphthalene	10	U
2-methylnaphthalene	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Chrysene	10	U
Dibenzo(a,h)anthracene	10	U
Fluoranthene	10	U
Fluorene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Naphthalene	10	U

PARAMETER	RESULT	QUAL
Phenanthrene	10	U
Pyrene	10	U
Volatile Organic Compounds		
Benzene	2	U
Chlorobenzene	2	U
Ethylbenzene	2	U
Toluene	2	U
Xylenes, total	6	U

BG 6

B6SW	B6SW	B&RE
Inorganics		
Aluminum	28	U
Antimony	4	U
Arsenic	4	U
Barium	8.1	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U
Iron	4	U
Lead	3	U
Manganese	2	U
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
Pesticides/PCBs		
2,4,5-T	0.097	U
2,4,5-TP (silvex)	0.097	U
2,4-D	0.097	U
4,4'-DDD	0.047	U
4,4'-DDE	0.047	U
4,4'-DDT	0.047	U
Aldrin	0.024	U
alpha-BHC	0.024	U
Aroclor-1016	0.15	U
Aroclor-1221	0.15	U
Aroclor-1232	0.15	U
Aroclor-1242	0.15	U
Aroclor-1254	0.15	U
Aroclor-1260	0.15	U
beta-BHC	0.024	U
Chlordane	0.29	U
delta-BHC	0.024	U
Dieldrin	0.047	U

PARAMETER	RESULT	QUAL
Endosulfan I	0.024	U
Endosulfan II	0.047	U
Endosulfan sulfate	0.047	U
Endrin	0.047	U
Endrin aldehyde	0.047	U
gamma-BHC (lindane)	0.024	U
Heptachlor	0.024	U
Heptachlor epoxide	0.024	U
Methoxychlor	0.24	U
Methyl parathion	0.059	U
Parathion	0.059	U
Phorate	0.059	U
Toxaphene	1.2	U
Semivolatile Organic Compounds		
1,2-dichlorobenzene	2	U
1,3-dichlorobenzene	2	U
1,4-dichlorobenzene	2	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Chrysene	10	U
Dibenzo(a,h)anthracene	10	U
Fluoranthene	10	U
Fluorene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Naphthalene	10	U
Phenanthrene	10	U
Pyrene	10	U
Volatile Organic Compounds		
Benzene	2	U
Chlorobenzene	2	U
Ethylbenzene	2	U
Toluene	2	U
Xylenes, total	6	U

BG 7

B7SW-1	B7SW-1	B&RE
Inorganics		
Aluminum	28	U
Antimony	4	UJ
Arsenic	4	U
Barium	6.8	U
Beryllium	0.2	U
Cadmium	0.4	UJ
Chromium	2	U
Cobalt	2	U

PARAMETER	RESULT	QUAL
Copper	4	U
Cyanide	1.4	U
Iron	14.7	U
Lead	3	UJ
Manganese	2	UJ
Mercury	4.2	
Nickel	4	U
Selenium	4	UJ
Silver	2	U
Thallium	6.6	U
Vanadium	2	U
Zinc	2	UJ
Pesticides/PCBs		
2,4,5-T	0.097	U
2,4,5-TP (silvex)	0.097	U
2,4-D	0.097	U
4,4'-DDD	0.08	U
4,4'-DDE	0.08	U
4,4'-DDT	0.08	U
Aldrin	0.04	U
alpha-BHC	0.04	U
Aroclor-1016	0.25	U
Aroclor-1221	0.25	U
Aroclor-1232	0.25	U
Aroclor-1242	0.25	U
Aroclor-1248	0.25	U
Aroclor-1254	0.25	U
Aroclor-1260	0.25	U
beta-BHC	0.04	U
Chlordane	0.5	U
delta-BHC	0.04	U
Dieldrin	0.08	U
Endosulfan I	0.04	U
Endosulfan II	0.08	U
Endosulfan sulfate	0.08	U
Endrin	0.08	U
Endrin aldehyde	0.08	U
gamma-BHC (lindane)	0.04	U
Heptachlor	0.04	U
Heptachlor epoxide	0.04	U
Methoxychlor	0.4	U
Methyl parathion	0.1	U
Parathion	0.1	U
Phorate	0.1	U
Toxaphene	2	U
Semivolatile Organic Compounds		
1,2-dichlorobenzene	2	U
1,3-dichlorobenzene	2	U
1,4-dichlorobenzene	2	U
Acenaphthene	10	U

Keywest MOD01 Supplemental RFI/RI Background Samples
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PARAMETER	RESULT	QUAL
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Chrysene	10	U
Dibenzo(a,h)anthracene	10	U
Fluoranthene	10	U
Fluorene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Naphthalene	10	U
Phenanthrene	10	U
Pyrene	10	U
Volatile Organic Compounds		
Benzene	2	U
Chlorobenzene	2	U
Ethylbenzene	2	U
Toluene	2	U
Xylenes, total	6	U

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I7SS-10(IT) AS1034 IT(1994)

PARAMETER	RESULT	QUAL
Inorganics		
Aluminum	40	U
Antimony	175	
Arsenic	2	U
Barium	4.7	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Cyanide	100	U
Iron	12.2	B
Lead	20	U
Manganese	2	U
Mercury	0.29	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Vanadium	10	U
Zinc	9.7	B
Pesticides/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Methoxychlor	0.5	U
Toxaphene	1	U
Semivolatile Organic Compounds		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	52	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	52	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	52	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	52	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	21	U
3-nitroaniline	52	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	52	U
4-nitrophenol	52	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	52	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	52	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
Volatile Organic Compounds		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	1	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U

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I8SS-10(IT) AS1192 IT(1994)

PARAMETER	RESULT	QUAL
Inorganics		
Aluminum	40	U
Antimony	205	
Arsenic	40	U
Barium	4.8	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Iron	26.2	B
Lead	40	U
Manganese	2	U
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	39.6	
Pesticides/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	1	U
4,4'-DDT		U

Keywest MOD01 Supplemental RFI/RI Background Samples
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PARAMETER	RESULT	QUAL
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Methoxychlor	0.5	U
Toxaphene	1	U
Semivolatile Organic Compounds		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	50	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	50	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	20	U
3-nitroaniline	50	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U

PARAMETER	RESULT	QUAL
4-nitroaniline	50	U
4-nitrophenol	50	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	50	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	8	BJ
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	50	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
Volatile Organic Compounds		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U

PARAMETER	RESULT	QUAL
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	1	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U

SWMU 1

S1SS-7SW	KW02568	BEI(d)
Inorganics		
Aluminum	148	
Antimony	2.4	U
Arsenic	2.6	
Barium	7.4	
Beryllium	0.17	
Cadmium	0.2	U
Chromium	1.3	U
Cobalt	0.8	U
Copper	2	
Cyanide	10	U
Iron	170	
Lead	1.7	U
Manganese	12.3	
Mercury	0.08	U
Nickel	1.6	U
Selenium	3	U
Silver	1.5	U
Thallium	3.5	U
Tin	5	U
Vanadium	2.8	
Zinc	12.8	
Pesticides/PCBs		

PARAMETER	RESULT	QUAL
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.051	U
alpha-BHC	0.051	U
Aroclor-1016	0.51	U
Aroclor-1221	0.51	U
Aroclor-1232	0.51	U
Aroclor-1242	0.51	U
Aroclor-1248	0.51	U
Aroclor-1254	0.51	U
Aroclor-1260	0.51	U
beta-BHC	0.051	U
Chlordane	0.51	U
Chlorobenzilate	10	U
delta-BHC	0.051	U
Dieldrin	0.1	U
Endosulfan I	0.051	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin aldehyde	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.051	U
Heptachlor	0.051	U
Heptachlor epoxide	0.051	U
Isodrin	10	U
Kepone	20	U
Methoxychlor	0.51	U
Toxaphene	5.1	U
Semivolatile Organic Compounds		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	10	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	20	U
2,4,5-trichlorophenol	50	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	20	U

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PARAMETER	RESULT	QUAL
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	50	U
2-nitrophenol	10	U
2-picoline	10	U
3 & 4-methylphenol	10	U
3,3'-dichlorobenzidine	20	U
3-methylcholanthrene	10	U
3-nitroaniline	50	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	20	U
4-chloroaniline	20	U
4-chlorophenyl phenyl ether	10	U
4-nitroaniline	50	U
4-nitrophenol	50	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	20	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	20	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	20	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Carbazole	10	U
Chrysene	10	U
Di-n-butyl phthalate	2	J
Di-n-octyl phthalate	10	U
Diallate	20	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylar	10	U

PARAMETER	RESULT	QUAL
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	10	U
Methyl methanesulfonate	10	U
N nitroso-di-n-butylamine	10	U
N nitroso-di-n-propylamine	10	U
N nitrosodiethylamine	10	U
N nitrosodimethylamine	10	U
N nitrosomethylethylamine	10	U
N nitrosomorpholine	10	U
N nitrosopiperidine	10	U
N nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	65	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U
Pentachloronitrobenzene	20	U
Pentachlorophenol	50	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	20	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
Volatile Organic Compounds		
1,1,1,2-tetrachloroethane	5	U
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2,3-trichloropropane	5	U
1,2-dibromo-3-chloropropane	5	U
1,2-dibromoethane	5	U
1,2-dichloroethane	5	U

PARAMETER	RESULT	QUAL
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-chloro-1,3-butadiene	5	U
2-hexanone	10	U
3-chloropropene	5	U
4-methyl-2-pentanone	10	U
Acetone	12	
Acrolein	20	U
Acrylonitrile	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,2-dichloroethene	5	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Dibromomethane	5	U
Dichlorodifluoromethane	5	U
Ethyl cyanide	5	U
Ethylbenzene	5	U
Iodomethane	5	U
Methacrylonitrile	5	U
Methyl methacrylate	5	U
Methylene chloride	5	U
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,2-dichloroethene	5	U
Trans-1,3-dichloropropene	5	U
Trans-1,4-dichloro-2-butene	5	U
Trichloroethene	5	U
Trichlorofluoromethane	5	U
Vinyl acetate	5	U
Vinyl chloride	10	U
Xylenes, total	5	U

SWMU 2

S2SS-4SW	KW02590	BEI(d)
Inorganics		
Aluminum	25	
Antimony	2.4	U
Arsenic	4.1	
Barium	9.9	

PARAMETER	RESULT	QUAL
Beryllium	0.26	
Cadmium	0.2	U
Chromium	1.3	U
Cobalt	0.8	U
Copper	1.1	U
Cyanide	5	U
Iron	61.6	
Lead	1.7	U
Manganese	3.2	
Mercury	0.08	U
Nickel	1.6	U
Selenium	3	U
Silver	1.5	U
Thallium	3.5	U
Tin	5	U
Vanadium	2	
Zinc	1.4	
Pesticides/PCBs		
4,4'-DDD	0.11	U
4,4'-DDE	0.11	U
4,4'-DDT	0.11	U
Aldrin	0.056	U
alpha-BHC	0.056	U
Aroclor-1016	0.56	U
Aroclor-1221	0.56	U
Aroclor-1232	0.56	U
Aroclor-1242	0.56	U
Aroclor-1248	0.56	U
Aroclor-1254	0.56	U
Aroclor-1260	0.56	U
beta-BHC	0.056	U
Chlordane	0.56	U
delta-BHC	0.056	U
Dieldrin	0.11	U
Endosulfan I	0.056	U
Endosulfan II	0.11	U
Endosulfan sulfate	0.11	U
Endrin	0.11	U
Endrin aldehyde	0.11	U
Endrin ketone	0.11	U
gamma-BHC (lindane)	0.056	U
Heptachlor	0.056	U
Heptachlor epoxide	0.056	U
Methoxychlor	0.56	U
Toxaphene	5.6	U
Volatile Organic Compounds		
1,1,1,2-tetrachloroethane	5	U
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane		U

Keywest MOD01 Supplemental RFI/RI Background Samples
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PARAMETER	RESULT	QUAL
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2,3-trichloropropane	5	U
1,2-dibromo-3-chloropropane	5	U
1,2-dibromoethane	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-chloro-1,3-butadiene	5	U
2-hexanone	10	U
3-chloropropene	5	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Acrolein	20	U
Acrylonitrile	10	U
Benzene	5	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,2-dichloroethene	5	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Dibromomethane	5	U
Dichlorodifluoromethane	5	U
Ethyl cyanide	5	U
Ethylbenzene	5	U
Iodomethane	5	U
Methacrylonitrile	5	U
Methyl methacrylate	5	U
Methylene chloride	5	U
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,2-dichloroethene	5	U
Trans-1,3-dichloropropene	5	U
Trans-1,4-dichloro-2-butene	5	U
Trichloroethene	5	U
Trichlorofluoromethane	5	U
Vinyl acetate	5	U
Vinyl chloride	10	U
Xylenes, total	5	U

SWMU 3

S3SS-4	AS1096	IT(1994)

PARAMETER	RESULT	QUAL
Pesticides/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlorobenzilate	0.5	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Dinoseb	20	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Isodrin	0.05	U
Kepone	0.1	U
Methoxychlor	0.5	U
Sulfotep	10	U
Toxaphene	1	U
Semivolatile Organic Compounds		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	10	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	120	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	50	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	10	U

PARAMETER	RESULT	QUAL
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	170	U
2-nitroaniline	50	U
2-nitrophenol	10	U
2-picoline	70	U
3,3'-dichlorobenzidine	20	U
3,3'-dimethylbenzidine	80	U
3-methylcholanthrene	30	U
3-methylphenol	10	U
3-nitroaniline	50	U
4-aminobiphenyl	50	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	50	U
4-nitrophenol	50	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	20	U
7,12-dimethylbenz(a)anthracene	20	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	50	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U

PARAMETER	RESULT	QUAL
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	20	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachlorophene	50	U
Hexachloropropene	20	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	40	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	20	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	30	U
p-phenylenediamine	50	U
Pentachlorobenzene	20	U
Pentachloroethane	20	U
Pentachloronitrobenzene	20	U
Pentachlorophenol	50	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	30	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
Volatile Organic Compounds		
Bis(2-chloroisopropyl)ether	10	U

SWMU 4

S4SW-1	S4SW-1	B&RE
Inorganics		
Aluminum	28	U

Keywest MOD01 Supplemental RFI/RI Background Samples
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PARAMETER	RESULT	QUAL
Antimony	4	UJ
Arsenic	4	U
Barium	3.4	U
Beryllium	0.2	U
Cadmium	0.4	UJ
Chromium	2	U
Cobalt	2	U
Copper	4	UJ
Cyanide	1.4	UR
Iron	8.5	
Lead	3.5	U
Manganese	2	UJ
Mercury	0.6	
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	UJ
Vanadium	2	U
Zinc	2	UJ
Pesticides/PCBs		
Chlorobenzilate	50	U
Dimethoate	50	U
Disulfoton	10	U
Famphur	10	U
Isodrin	10	U
Kepone	10	U
Sulfotep	10	U
Thionazin	10	U
Semivolatile Organic Compounds		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	50	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	10	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	20	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U

PARAMETER	RESULT	QUAL
2-chlorophenol	10	U
2-methyl 4,6-dinitrophenol	10	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	U
2-picoline	10	U
3,3'-dichlorobenzidine	50	U
3,3'-dimethylbenzidine	50	U
3-methylcholanthrene	10	U
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	10	U
4-nitrophenol	20	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U

PARAMETER	RESULT	QUAL
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	50	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U
Pentachloronitrobenzene	10	U
Pentachlorophenol	10	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
Volatile Organic Compounds		
1,1,1,2-tetrachloroethane	2	U
1,1,1-trichloroethane	2	U
1,1,2,2-tetrachloroethane	2	U
1,1,2-trichloroethane	2	U
1,1-dichloroethane	2	U
1,1-dichloroethene	2	U
1,2,3-trichloropropane	2	U
1,2-dibromo-3-chloropropane	2	U
1,2-dibromoethane	2	U
1,2-dichloroethane	2	U

PARAMETER	RESULT	QUAL
1,2-dichloropropane	2	U
2-butanone	5	U
2-chloro-1,3-butadiene	2	U
2-hexanone	5	U
3-chloropropene	10	U
4-methyl-2-pentanone	5	U
Acetone	10	UJ
Acetonitrile	10	U
Acrolein	20	UR
Acrylonitrile	20	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	2	U
Bromoform	2	U
Bromomethane	2	U
Carbon disulfide	5	U
Carbon tetrachloride	2	U
Chlorobenzene	2	U
Chloroethane	2	U
Chloroform	2	U
Chloromethane	2	U
Cis-1,3-dichloropropene	2	U
Dibromochloromethane	2	U
Dibromomethane	2	U
Dichlorodifluoromethane	2	UJ
Ethyl cyanide	20	U
Ethylbenzene	2	U
Iodomethane	5	U
Isobutanol	20	UR
Methacrylonitrile	10	UJ
Methyl methacrylate	10	U
Methylene chloride	5	U
Styrene	2	U
Tetrachloroethene	2	U
Toluene	2	U
Trans-1,2-dichloroethene	2	U
Trans-1,3-dichloropropene	2	U
Trans-1,4-dichloro-2-butene	10	U
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl acetate	5	UJ
Vinyl chloride	2	U
Xylenes, total	4	U
S4BG-1 AS1122 IT(1994)		
Inorganics		
Arsenic	5.2	B
Barium	16.3	B
Beryllium	1	U
Cadmium	5	U
Chromium		

Keywest MOD01 Supplemental RFI/RI Background Samples
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PARAMETER	RESULT	QUAL
Cobalt	20	U
Copper	10	U
Mercury	0.2	U
Nickel	20	U
Selenium	2	U
Silver	5	U
Sulfide	4000	
Thallium	10	U
Tin	30	U
Vanadium	10	U
Zinc	21.5	
Pesticides/PCBs		
2,4,5-T	2	U
2,4,5-TP (silvex)	2	U
2,4-D	2	U
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlorobenzilate	0.5	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Dimethoate	0.5	U
Dinoseb	22	U
Disulfoton	0.5	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
Famphur	0.5	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Isodrin	0.05	U
Kepone	0.1	U
Methoxychlor	0.5	U
Methyl parathion	0.5	U
Parathion	0.5	U

PARAMETER	RESULT	QUAL
Phorate	1	U
Sulfotep	1	U
Thionazin	0.5	U
Toxaphene	1	U
Semivolatile Organic Compounds		
1,2,4,5-tetrachlorobenzene	11	U
1,2,4-trichlorobenzene	11	U
1,2-dichlorobenzene	11	U
1,3,5-trinitrobenzene	11	U
1,3-dichlorobenzene	11	U
1,3-dinitrobenzene	11	U
1,4-dichlorobenzene	11	U
1,4-dioxane	1000	U
1,4-naphthoquinone	11	U
1-naphthylamine	130	U
2,3,4,6-tetrachlorophenol	11	U
2,4,5-trichlorophenol	54	U
2,4,6-trichlorophenol	11	U
2,4-dichlorophenol	11	U
2,4-dimethylphenol	11	U
2,4-dinitrophenol	54	U
2,4-dinitrotoluene	11	U
2,6-dinitrotoluene	11	U
2-acetylaminofluorene	11	U
2-chloronaphthalene	11	U
2-chlorophenol	11	U
2-methyl-4,6-dinitrophenol	54	U
2-methylnaphthalene	11	U
2-methylphenol	11	U
2-naphthylamine	190	U
2-nitroaniline	54	U
2-nitrophenol	11	U
2-picoline	76	U
3,3'-dichlorobenzidine	22	U
3,3'-dimethylbenzidine	87	U
3-methylcholanthrene	33	U
3-methylphenol	11	U
3-nitroaniline	54	U
4-aminobiphenyl	54	U
4-bromophenyl phenyl ether	11	U
4-chloro-3-methylphenol	11	U
4-chloroaniline	11	U
4-chlorophenyl phenyl ether	11	U
4-methylphenol	11	U
4-nitroaniline	54	U
4-nitrophenol	54	U
4-nitroquinoline-1-oxide	11	U
5-nitro-o-toluidine	22	U
7,12-dimethylbenz(a)anthracene	22	U
a,a-dimethylphenethylamine	11	U

PARAMETER	RESULT	QUAL
Acenaphthene	11	U
Acenaphthylene	11	U
Acetophenone	11	U
Aniline	11	U
Anthracene	11	U
Aramite	11	U
Benzo(a)anthracene	11	U
Benzo(a)pyrene	11	U
Benzo(b)fluoranthene	11	U
Benzo(g,h,i)perylene	11	U
Benzo(k)fluoranthene	11	U
Benzoic acid	54	U
Benzyl alcohol	11	U
Bis(2-chloroethoxy)methane	11	U
Bis(2-chloroethyl)ether	11	U
Bis(2-ethylhexyl)phthalate	11	U
Butyl benzyl phthalate	11	U
Chrysene	11	U
Di-n-butyl phthalate	11	U
Di-n-octyl phthalate	11	U
Diallate	11	U
Dibenzo(a,h)anthracene	11	U
Dibenzofuran	11	U
Diethyl phthalate	11	U
Dimethyl phthalate	11	U
Diphenylamine	11	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	11	U
Fluoranthene	11	U
Fluorene	11	U
Hexachlorobenzene	11	U
Hexachlorobutadiene	11	U
Hexachlorocyclopentadiene	11	U
Hexachloroethane	11	U
Hexachlorophene	54	U
Hexachloropropene	22	U
Indeno(1,2,3-cd)pyrene	11	U
Isophorone	11	U
Isosafrole	11	U
Methapyrilene	44	U
Methyl methanesulfonate	11	U
N-nitroso-di-n-butylamine	22	U
N-nitroso-di-n-propylamine	11	U
N-nitrosodiethylamine	11	U
N-nitrosodimethylamine	11	U
N-nitrosodiphenylamine	11	U
N-nitrosomethylethylamine	11	U
N-nitrosopiperidine	11	U
N-nitrosopyrrolidine	11	U
Naphthalene	11	U

PARAMETER	RESULT	QUAL
Nitrobenzene	11	U
o,o,o-triethylphosphorothioate	11	U
o-toluidine	11	U
p-dimethylaminoazobenzene	33	U
p-phenylenediamine	54	U
Pentachlorobenzene	22	U
Pentachloroethane	22	U
Pentachloronitrobenzene	22	U
Pentachlorophenol	54	U
Phenacetin	11	U
Phenanthrene	11	U
Phenol	11	U
Pronamide	33	U
Pyrene	11	U
Pyridine	11	U
Safrole	11	U
Volatile Organic Compounds		
1,1,1,2-tetrachloroethane	5	U
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,2,3-trichloropropane	5	U
1,2-dibromo-3-chloropropane	5	U
1,2-dibromoethane	5	U
1,2-dichloroethane	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-chloro-1,3-butadiene	5	U
2-hexanone	10	U
3-chloropropene	5	U
4-methyl-2-pentanone	10	U
Acetone	4	J
Acetonitrile	100	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	11	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,2-dichloroethene	5	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U

Keywest MOD01 Supplemental RFI/RI Background Samples
Surface Water Data Set

PARAMETER	RESULT	QUAL	PARAMETER	RESULT	QUAL	PARAMETER	RESULT	QUAL	PARAMETER	RESULT	QUAL
Dibromomethane	5	U									
Dichlorodifluoromethane	20	U									
Ethyl cyanide	100	U									
Ethylbenzene	5	U									
Iodomethane	5	U									
Methacrylonitrile	10	U									
Methyl methacrylate	10	U									
Methylene chloride	1	BJ									
Styrene	5	U									
Tetrachloroethene	5	U									
Toluene	5	U									
Trans-1,2-dichloroethene	5	U									
Trans-1,3-dichloropropene	5	U									
Trans-1,4-dichloro-2-butene	20	U									
Trichloroethene	5	U									
Trichlorofluoromethane	5	U									
Vinyl acetate	10	U									
Vinyl chloride	10	U									
Xylenes, total	5	U									

KEY WEST MOD01
SUPPLEMENTAL RFI/RI BACKGROUND SAMPLES

GROUNDWATER DATA SET

Keywest MOD01 Supplemental RFI/RI Background Samples
Groundwater Data Set

IR 1

PARAMETER	RESULT	QUAL
I1MW-6 I1MW-6 B&RE		
Inorganics (µg/L)		
Aluminum	28	U
Antimony	4	U
Arsenic	4	U
Barium	9.9	U
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U
Iron	4	U
Lead	3	U
Manganese	3.2	
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	3.4	
Zinc	2	U
Pesticides/PCBs (µg/L)		
2,4,5-T	0.1	U
2,4,5-TP (silvex)	0.1	U
2,4-D	0.1	U
4,4'-DDD	0.04	U
4,4'-DDE	0.04	U
4,4'-DDT	0.04	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U
Chlordane	0.25	U
delta-BHC	0.02	U
Dieldrin	0.04	U
Endosulfan I	0.02	U
Endosulfan II	0.04	U
Endosulfan sulfate	0.04	U
Endrin	0.04	U
Endrin aldehyde	0.04	U
gamma-BHC (lindane)	0.02	U
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.05	U
Parathion	0.05	U
Phorate	0.05	U
Toxaphene	0.99	U
I1MW-7 I1DPGW-2 B&RE		
Inorganics (µg/L)		
Aluminum	28	U
Antimony	4	UJ
Arsenic	4	U
Barium	8.4	J
Beryllium	0.2	U
Cadmium	0.4	UJ
Chromium	2	U
Cobalt	2	U
Copper	4.3	J
Cyanide	1.4	UR
Iron	4	U
Lead	3	U
Manganese	4.5	J
Mercury	0.1	U
Nickel	4	U
Selenium	4.1	J
Silver	2	U
Thallium	4	UJ
Vanadium	3.7	J
Zinc	2	UJ
Pesticides/PCBs (µg/L)		
2,4,5-T	0.1	U
2,4,5-TP (silvex)	0.1	U
2,4-D	0.1	U
4,4'-DDD	0.04	U
4,4'-DDE	0.04	U
4,4'-DDT	0.04	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U
Chlordane	0.25	U
delta-BHC	0.02	U
Dieldrin	0.04	U
Endosulfan I	0.02	U
Endosulfan II	0.04	U
Endosulfan sulfate	0.04	U
Endrin	0.04	U
Endrin aldehyde	0.04	U
gamma-BHC (lindane)	0.02	U
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.05	U
Parathion	0.05	U
Phorate	0.05	U
Toxaphene	1	U
I1MW-7 I1MW-7 B&RE		
Inorganics (µg/L)		
Aluminum	28	U
Antimony	4	UJ
Arsenic	4	U
Barium	7	J
Beryllium	0.2	U
Cadmium	0.4	UJ
Chromium	2	U
Cobalt	2	U
Copper	4	UJ
Cyanide	1.4	UR
Iron	4	U
Lead	3.7	U
Manganese	4.1	J
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	UJ
Vanadium	4.1	J
Zinc	2	UJ
Pesticides/PCBs (µg/L)		
2,4,5-T	0.097	U
2,4,5-TP (silvex)	0.097	U
2,4-D	0.097	U
4,4'-DDD	0.04	U
4,4'-DDE	0.04	U
4,4'-DDT	0.04	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U
Chlordane	0.25	U
delta-BHC	0.02	U
Dieldrin	0.04	U
Endosulfan I	0.02	U
Endosulfan II	0.04	U
Endosulfan sulfate	0.04	U
Endrin	0.04	U
Endrin aldehyde	0.04	U
gamma-BHC (lindane)	0.02	U
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.05	U
Parathion	0.05	U
Phorate	0.05	U
Toxaphene	1	U
I1MW-7 I1MW-7-AVG B&RE		
Inorganics (µg/L)		
Aluminum	28	U
Antimony	4	UJ
Arsenic	4	U
Barium	7.7	J
Beryllium	0.2	U
Cadmium	0.4	UJ
Chromium	2	U
Cobalt	2	U
Copper	3.15	J
Iron	4	U
Lead	3.35	U
Manganese	4.3	J
Mercury	0.1	U
Nickel	4	U
Selenium	3.05	J
Silver	2	U
Thallium	4	UJ
Vanadium	3.9	J
Zinc	2	UJ
Pesticides/PCBs (µg/L)		
2,4,5-T	0.0985	U
2,4,5-TP (silvex)	0.0985	U
2,4-D	0.0985	U
4,4'-DDD	0.04	U
4,4'-DDE	0.04	U
4,4'-DDT	0.04	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U

Keywest MOD01 Supplemental RFI/RI Background Samples
Groundwater Data Set

PARAMETER	RESULT	QUAL
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U
Chlordane	0.25	U
delta-BHC	0.02	U
Dieldrin	0.04	U
Endosulfan I	0.02	U
Endosulfan II	0.04	U
Endosulfan sulfate	0.04	U
Endrin	0.04	U
Endrin aldehyde	0.04	U
gamma-BHC (lindane)	0.02	U
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.05	U
Parathion	0.05	U
Phorate	0.05	U
Toxaphene	1	U

IR 3

I3MW-6	I3MW-6	B&RE

Inorganics (µg/L)		
Aluminum	28	U
Antimony	4	UJ
Arsenic	4	U
Barium	11.1	U
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Iron	141	U
Lead	3	U
Manganese	2	U
Mercury	0.1	U
Nickel	4	U
Selenium	4	UJ
Silver	2	U
Thallium	4	U
Vanadium	3.8	
Zinc	2	U
Pesticides/PCBs (µg/L)		
2,4,5-T	0.1	U
2,4,5-TP (silvex)	0.1	U
2,4-D	0.1	U
4,4'-DDD	0.08	U
4,4'-DDE	0.08	U
4,4'-DDT	0.08	U
Aldrin	0.04	U
alpha-BHC	0.04	U
Aroclor-1016	0.25	U
Aroclor-1221	0.25	U
Aroclor-1232	0.25	U
Aroclor-1242	0.25	U
Aroclor-1248	0.25	U
Aroclor-1254	0.25	U
Aroclor-1260	0.25	U
beta-BHC	0.04	U
Chlordane	0.5	U
delta-BHC	0.04	U
Dieldrin	0.08	U
Endosulfan I	0.04	U
Endosulfan II	0.08	U
Endosulfan sulfate	0.08	U
Endrin	0.08	U
Endrin aldehyde	0.08	U
gamma-BHC (lindane)	0.04	U
Heptachlor	0.04	U
Heptachlor epoxide	0.04	U
Methoxychlor	0.4	U
Methyl parathion	0.1	U
Parathion	0.1	U
Phorate	0.1	U
Toxaphene	2	U

SWMU 1

S1MW-3	S1DPGW-01	B&RE

Inorganics (µg/L)		
Aluminum	8.3	U
Antimony	2.6	U
Arsenic	11.7	
Barium	19.3	J
Beryllium	0.2	U
Cadmium	0.3	UJ
Chromium	0.6	U
Cobalt	0.6	U
Copper	0.9	U
Cyanide	4.7	U
Iron	77.6	J
Lead	1.3	UJ
Manganese	0.4	UJ
Mercury	0	U
Nickel	0.9	UJ
Selenium	4.8	UR
Silver	0.5	U
Thallium	5.7	UJ
Vanadium	0.5	U
Zinc	1	U
Pesticides/PCBs (µg/L)		
2,4,5-T	0.1	U
2,4,5-TP (silvex)	0	U
2,4-D	0.1	U
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0	U
alpha-BHC	0	U
Aroclor-1016	0.4	U
Aroclor-1221	0.4	U
Aroclor-1232	0.4	U
Aroclor-1242	0.4	U
Aroclor-1248	0.4	U
Aroclor-1254	0.4	U
Aroclor-1260	0.4	U
beta-BHC	0	U
Chlordane	0.8	U
Chlorobenzilate	37.7	U
delta-BHC	0	U
Dieldrin	0.1	U
Dimethoate	37.7	U
Dinoseb	7.5	U
Disulfoton	7.5	UJ
Endosulfan I	0	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin aldehyde	0.1	U
Famphur	7.5	U
gamma-BHC (lindane)	0	U
Heptachlor	0	U
Heptachlor epoxide	0	U
Isodrin	7.5	U
Kepone	7.5	U
Methoxychlor	0.6	U
Methyl parathion	0.1	U
Parathion	0.1	U
Phorate	0.1	U
Sulfotep	10	U
Thionazin	7.5	U
Toxaphene	3.2	U
Semivolatile Organic Compounds (µg/L)		
1,2,4,5-tetrachlorobenzene	7.5	U
1,2,4-trichlorobenzene	7.5	U
1,2-dichlorobenzene	7.5	U
1,3,5-trinitrobenzene	37.7	UJ
1,3-dichlorobenzene	7.5	U
1,3-dinitrobenzene	7.5	U
1,4-dichlorobenzene	7.5	U
1,4-dioxane	7.5	U
1,4-naphthoquinone	7.5	UJ
1-naphthylamine	7.5	U
2,3,4,6-tetrachlorophenol	7.5	U
2,4,5-trichlorophenol	7.5	U
2,4,6-trichlorophenol	7.5	U
2,4-dichlorophenol	7.5	U
2,4-dimethylphenol	7.5	U
2,4-dinitrophenol	15	U
2,4-dinitrotoluene	7.5	U
2,6-dichlorophenol	7.5	U
2,6-dinitrotoluene	7.5	U
2-acetylaminofluorene	7.5	U
2-chloronaphthalene	7.5	U
2-chlorophenol	7.5	U
2-methyl-4,6-dinitrophenol	7.5	U
2-methylnaphthalene	7.5	U
2-methylphenol	7.5	U
2-naphthylamine	7.5	U
2-nitroaniline	7.5	U
2-nitrophenol	7.5	U
2-picoline	7.5	U
3 & 4-methylphenol	7.5	U
3,3'-dichlorobenzidine	37.7	UJ
3,3'-dimethylbenzidine	37.7	U
3-methylcholanthrene	7.5	UJ
3-nitroaniline	7.5	U
4-aminobiphenyl	7.5	U
4-bromophenyl phenyl ether	7.5	U
4-chloro-3-methylphenol	7.5	U
4-chloroaniline	7.5	U
4-chlorophenyl phenyl ether	7.5	U
4-nitroaniline	7.5	U
4-nitrophenol	15	U
4-nitroquinoline-1-oxide	10	UR
5-nitro-o-toluidine	7.5	U
7,12-dimethylbenz(a)anthracene	7.5	UJ
a,a-dimethylphenethylamine	7.5	UJ
Acenaphthene	7.5	U
Acenaphthylene	7.5	U
Acetophenone	7.5	U
Aniline	7.5	U
Anthracene	7.5	U
Aramite	7.5	U
Benzo(a)anthracene	7.5	U
Benzo(a)pyrene	7.5	UJ
Benzo(b)fluoranthene	7.5	UJ
Benzo(g,h,i)perylene	7.5	UJ
Benzo(k)fluoranthene	7.5	UJ
Benzyl alcohol	7.5	U
Bis(2-chloroethoxy)methane	7.5	U
Bis(2-chloroethyl)ether		U

Keywest MOD01 Supplemental RFI/RI Background Samples
Groundwater Data Set

PARAMETER	RESULT	QUAL
Bis(2-ethylhexyl)phthalate	7.5	U
Butyl benzyl phthalate	7.5	U
Chrysene	7.5	U
Di-n-butyl phthalate	7.5	UJ
Di-n-octyl phthalate	7.5	UJ
Diallate	7.5	U
Dibenzo(a,h)anthracene	7.5	UJ
Dibenzofuran	7.5	U
Diethyl phthalate	7.5	U
Dimethyl phthalate	7.5	U
Diphenylamine	7.5	U
Ethyl methacrylate	7.5	U
Ethyl methanesulfonate	7.5	U
Fluoranthene	7.5	U
Fluorene	7.5	U
Hexachlorobenzene	7.5	U
Hexachlorobutadiene	7.5	U
Hexachlorocyclopentadiene	7.5	U
Hexachloroethane	7.5	U
Hexachloropropene	7.5	U
Indeno(1,2,3-cd)pyrene	7.5	UJ
Isophorone	7.5	U
Isosafrole	7.5	U
Methapyrilene	37.7	U
Methyl methanesulfonate	7.5	U
N-nitroso-di-n-butylamine	7.5	U
N-nitroso-di-n-propylamine	7.5	U
N-nitrosodiethylamine	7.5	U
N-nitrosodimethylamine	7.5	U
N-nitrosodiphenylamine	7.5	U
N-nitrosomethylethylamine	7.5	U
N-nitrosomorpholine	7.5	UJ
N-nitrosopiperidine	7.5	UJ
N-nitrosopyrrolidine	7.5	U
Naphthalene	7.5	U
Nitrobenzene	7.5	U
o,o,o-triethylphosphorothioate	7.5	U
o-toluidine	7.5	U
p-dimethylaminoazobenzene	7.5	U
p-phenylenediamine	15	UJ
Pentachlorobenzene	7.5	UJ
Pentachloroethane	7.5	U
Pentachloronitrobenzene	7.5	UJ
Pentachlorophenol	7.5	U
Phenacetin	7.5	U
Phenanthrene	7.5	U
Phenol	7.5	U
Pronamide	7.5	U
Pyrene	7.5	U
Pyridine	7.5	U

PARAMETER	RESULT	QUAL
Safrole	7.5	U
S1MW-3 S1MW-3 B&RE		
Inorganics (µg/L)		
Aluminum	11.1	U
Antimony	3.7	U
Arsenic	12.1	
Barium	19.6	J
Beryllium	0.3	U
Cadmium	0.4	UJ
Chromium	0.9	U
Cobalt	0.8	U
Copper	1.2	U
Cyanide	8.7	
Iron	76.2	J
Lead	1.8	UJ
Manganese	0.6	UJ
Mercury	0.1	U
Nickel	1.3	U
Selenium	4.8	UR
Silver	0.7	U
Thallium	7	J
Vanadium	0.7	U
Zinc	1.4	U
Pesticides/PCBs (µg/L)		
2,4,5-T	0.21	U
2,4,5-TP (silvex)	0.1	U
2,4-D	0.21	U
4,4'-DDD	0.43	U
4,4'-DDE	0.43	U
4,4'-DDT	0.43	U
Aldrin	0.22	U
alpha-BHC	0.22	U
Aroclor-1016	1.4	U
Aroclor-1221	1.4	U
Aroclor-1232	1.4	U
Aroclor-1242	1.4	U
Aroclor-1248	1.4	U
Aroclor-1254	1.4	U
Aroclor-1260	1.4	U
beta-BHC	0.22	U
Chlordane	2.7	U
Chlorobenzilate	51	U
delta-BHC	0.22	U
Dieldrin	0.43	U
Dimethoate	51	U
Dinoseb	10	UJ
Disulfoton	10	UJ
Endosulfan I	0.22	U
Endosulfan II	0.43	U
Endosulfan sulfate	0.43	U

PARAMETER	RESULT	QUAL
Endrin	0.43	U
Endrin aldehyde	0.43	U
Famphur	10	U
gamma-BHC (lindane)	0.22	U
Heptachlor	0.22	U
Heptachlor epoxide	0.22	U
Isodrin	10	U
Kepone	10	U
Methoxychlor	2.2	U
Methyl parathion	0.54	U
Parathion	0.54	U
Phorate	0.54	U
Sulfotep	10	U
Thionazin	10	U
Toxaphene	10.9	U
Semivolatile Organic Compounds (µg/L)		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	51	UJ
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinone	10	UJ
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	UJ
2,4,5-trichlorophenol	10	UJ
2,4,6-trichlorophenol	10	UJ
2,4-dichlorophenol	10	UJ
2,4-dimethylphenol	10	UJ
2,4-dinitrophenol	20	UJ
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	UJ
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	UJ
2-methyl-4,6-dinitrophenol	10	UJ
2-methylnaphthalene	10	U
2-methylphenol	10	UJ
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	UJ
2-picoline	10	U
3 & 4-methylphenol	10	UJ
3,3'-dichlorobenzidine	51	UJ
3,3'-dimethylbenzidine	51	U
3-methylcholanthrene	10	UJ
3-nitroaniline	10	U

PARAMETER	RESULT	QUAL
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	UJ
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-nitroaniline	10	U
4-nitrophenol	20	UJ
4-nitroquinoline-1-oxide	10	UR
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	UJ
a,a-dimethylphenethylamine	10	UJ
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	UJ
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	UJ
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	UJ
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	51	U
Methyl methanesulfonate	10	U

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PARAMETER	RESULT	QUAL
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	UJ
N-nitrosopiperidine	10	UJ
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	UJ
Pentachlorobenzene	10	UJ
Pentachloroethane	10	U
Pentachloronitrobenzene	10	UJ
Pentachlorophenol	10	UJ
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	UJ
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U

S1MW-3	S1MW-3-AVG	B&RE
Inorganics (µg/L)		
Aluminum	9.7	U
Antimony	3.15	U
Arsenic	11.9	
Barium	19.45	J
Beryllium	0.25	U
Cadmium	0.35	U
Chromium	0.75	U
Cobalt	0.7	U
Copper	1.05	U
Cyanide	5.525	
Iron	76.9	J
Lead	1.55	U
Manganese	0.5	U
Mercury	0.05	U
Nickel	1.1	U
Selenium	2.4	R
Silver	0.6	U
Thallium	4.925	
Vanadium	0.6	U
Zinc	1.2	U
Pesticides/PCBs (µg/L)		
2,4,5-T	0.155	U
2,4,5-TP (silvex)	0.05	U
2,4-D	0.155	U
4,4'-DDD	0.265	U
4,4'-DDE	0.265	U
4,4'-DDT	0.265	U
Aldrin	0.11	U
alpha-BHC	0.11	U
Aroclor-1016	0.9	U
Aroclor-1221	0.9	U
Aroclor-1232	0.9	U
Aroclor-1242	0.9	U
Aroclor-1248	0.9	U
Aroclor-1254	0.9	U
Aroclor-1260	0.9	U
beta-BHC	0.11	U
Chlordane	1.75	U
Chlorobenzilate	44.35	U
delta-BHC	0.11	U
Dieldrin	0.265	U
Dimethoate	44.35	U
Dinoseb	8.75	U
Disulfoton	8.75	U
Endosulfan I	0.11	U
Endosulfan II	0.265	U
Endosulfan sulfate	0.265	U
Endrin	0.265	U
Endrin aldehyde	0.265	U
Famphur	8.75	U
gamma-BHC (lindane)	0.11	U
Heptachlor	0.11	U
Heptachlor epoxide	0.11	U
Isodrin	8.75	U
Kepone	8.75	U
Methoxychlor	1.4	U
Methyl parathion	0.32	U
Parathion	0.32	U
Phorate	0.32	U
Sulfotep	10	U
Thionazin	8.75	U
Toxaphene	7.05	U
Semivolatile Organic Compounds (µg/L)		
1,2,4,5-tetrachlorobenzene	8.75	U
1,2,4-trichlorobenzene	8.75	U
1,2-dichlorobenzene	8.75	U
1,3,5-trinitrobenzene	44.35	U
1,3-dichlorobenzene	8.75	U
1,3-dinitrobenzene	8.75	U
1,4-dichlorobenzene	8.75	U
1,4-dioxane	8.75	U
1,4-naphthoquinone	8.75	U
1-naphthylamine	8.75	U
2,3,4,6-tetrachlorophenol	8.75	U
2,4,5-trichlorophenol	8.75	U
2,4,6-trichlorophenol	8.75	U
2,4-dichlorophenol	8.75	U
2,4-dimethylphenol	8.75	U
2,4-dinitrophenol	17.5	U
2,4-dinitrotoluene	8.75	U
2,6-dichlorophenol	8.75	U
2,6-dinitrotoluene	8.75	U
2-acetylaminofluorene	8.75	U
2-chloronaphthalene	8.75	U
2-chlorophenol	8.75	U
2-methyl-4,6-dinitrophenol	8.75	U
2-methylnaphthalene	8.75	U
2-methylphenol	8.75	U
2-naphthylamine	8.75	U
2-nitroaniline	8.75	U
2-nitrophenol	8.75	U
2-picoline	8.75	U
3 & 4-methylphenol	8.75	U
3,3'-dichlorobenzidine	44.35	U
3,3'-dimethylbenzidine	44.35	U
3-methylcholanthrene	8.75	U
3-nitroaniline	8.75	U
4-aminobiphenyl	8.75	U
4-bromophenyl phenyl ether	8.75	U
4-chloro-3-methylphenol	8.75	U
4-chloroaniline	8.75	U
4-chlorophenyl phenyl ether	8.75	U
4-nitroaniline	8.75	U
4-nitrophenol	17.5	U
4-nitroquinoline-1-oxide	5	R
5-nitro-o-toluidine	8.75	U
7,12-dimethylbenz(a)anthracene	8.75	U
a,a-dimethylphenethylamine	8.75	U
Acenaphthene	8.75	U
Acenaphthylene	8.75	U
Acetophenone	8.75	U
Aniline	8.75	U
Anthracene	8.75	U
Aramite	8.75	U
Benzo(a)anthracene	8.75	U
Benzo(a)pyrene	8.75	U
Benzo(b)fluoranthene	8.75	U
Benzo(g,h,i)perylene	8.75	U
Benzo(k)fluoranthene	8.75	U
Benzyl alcohol	8.75	U
Bis(2-chloroethoxy)methane	8.75	U
Bis(2-chloroethyl)ether	8.75	U
Bis(2-ethylhexyl)phthalate	8.75	U
Butyl benzyl phthalate	8.75	U
Chrysene	8.75	U
Di-n-butyl phthalate	8.75	U
Di-n-octyl phthalate	8.75	U
Diallate	8.75	U
Dibenzo(a,h)anthracene	8.75	U
Dibenzofuran	8.75	U
Diethyl phthalate	8.75	U
Dimethyl phthalate	8.75	U
Diphenylamine	8.75	U
Ethyl methacrylate	8.75	U
Ethyl methanesulfonate	8.75	U
Fluoranthene	8.75	U
Fluorene	8.75	U
Hexachlorobenzene	8.75	U
Hexachlorobutadiene	8.75	U
Hexachlorocyclopentadiene	8.75	U
Hexachloroethane	8.75	U
Hexachloropropene	8.75	U
Indeno(1,2,3-cd)pyrene	8.75	U
Isophorone	8.75	U
Isosafrole	8.75	U
Methapyrilene	44.35	U
Methyl methanesulfonate	8.75	U
N-nitroso-di-n-butylamine	8.75	U
N-nitroso-di-n-propylamine	8.75	U
N-nitrosodiethylamine	8.75	U
N-nitrosodimethylamine	8.75	U
N-nitrosodiphenylamine	8.75	U
N-nitrosomethylethylamine	8.75	U
N-nitrosomorpholine	8.75	U
N-nitrosopiperidine	8.75	U
N-nitrosopyrrolidine	8.75	U
Naphthalene	8.75	U
Nitrobenzene	8.75	U
o,o,o-triethylphosphorothioate	8.75	U
o-toluidine	8.75	U
p-dimethylaminoazobenzene	8.75	U
p-phenylenediamine	17.5	U
Pentachlorobenzene	8.75	U
Pentachloroethane	8.75	U
Pentachloronitrobenzene	8.75	U
Pentachlorophenol	8.75	U
Phenacetin	8.75	U
Phenanthrene	8.75	U
Phenol	8.75	U
Pronamide	8.75	U
Pyrene	8.75	U
Pyridine		U

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PARAMETER	RESULT	QUAL
Safrole	8.75	U
SWMU 2		
S2MW-1 S2DPGW-01 B&RE		
Inorganics (µg/L)		
Aluminum	56.2	U
Antimony	1.9	U
Arsenic	3.6	U
Barium	10.5	J
Beryllium	0.2	U
Cadmium	0.3	UJ
Chromium	0.9	U
Cobalt	0.6	U
Copper	0.9	U
Cyanide	0.6	U
Iron	16.4	U
Lead	1.3	UJ
Manganese	3.7	J
Mercury	0	U
Nickel	1.6	U
Selenium	4.8	UR
Silver	0.5	U
Thallium	3.3	UJ
Vanadium	0.6	U
Zinc	3.3	U
Pesticides/PCBs (µg/L)		
2,4,5-T	2.1	U
2,4,5-TP (silvex)	1	U
2,4-D	2.1	U
4,4'-DDD	0	U
4,4'-DDE	0	U
4,4'-DDT	0	U
Aldrin	0	U
alpha-BHC	0	U
Aroclor-1016	0	U
Aroclor-1221	0	U
Aroclor-1232	0	U
Aroclor-1242	0	U
Aroclor-1248	0	U
Aroclor-1254	0	U
Aroclor-1260	0	U
beta-BHC	0	U
Chlordane	0.1	U
delta-BHC	0	U
Dieldrin	0	U
Endosulfan I	0	U
Endosulfan II	0	U
Endosulfan sulfate	0	U
Endrin	0	U
Endrin aldehyde	0	U
gamma-BHC (lindane)	0	U

PARAMETER	RESULT	QUAL
Heptachlor	0	U
Heptachlor epoxide	0	U
Methoxychlor	0.1	U
Methyl parathion	0	U
Parathion	0	U
Phorate	0	U
Toxaphene	0.7	U
S2MW-1 S2MW-1 B&RE		
Inorganics (µg/L)		
Aluminum	93.9	U
Antimony	2.6	U
Arsenic	4.9	U
Barium	10.6	J
Beryllium	0.3	U
Cadmium	0.4	UJ
Chromium	0.97	
Cobalt	0.8	U
Copper	1.2	U
Cyanide	0.8	U
Iron	37	U
Lead	1.8	UJ
Manganese	4.1	J
Mercury	0.1	U
Nickel	2.7	U
Selenium	4.8	UR
Silver	0.7	U
Thallium	4.5	UJ
Vanadium	0.88	U
Zinc	5.2	
Pesticides/PCBs (µg/L)		
2,4,5-T	0.21	U
2,4,5-TP (silvex)	0.1	U
2,4-D	0.21	U
4,4'-DDD	0.039	U
4,4'-DDE	0.039	U
4,4'-DDT	0.039	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U
Chlordane	0.25	U
delta-BHC	0.02	U
Dieldrin	0.039	U
Endosulfan I	0.02	U

PARAMETER	RESULT	QUAL
Endosulfan II	0.039	U
Endosulfan sulfate	0.039	U
Endrin	0.039	U
Endrin aldehyde	0.039	U
gamma-BHC (lindane)	0.02	U
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.049	U
Parathion	0.049	U
Phorate	0.049	U
Toxaphene	0.98	U
S2MW-1 S2MW-1-AVG B&RE		
Inorganics (µg/L)		
Aluminum	75.05	U
Antimony	2.25	U
Arsenic	4.25	U
Barium	10.55	J
Beryllium	0.25	U
Cadmium	0.35	U
Chromium	0.71	
Cobalt	0.7	U
Copper	1.05	U
Cyanide	0.7	U
Iron	26.7	U
Lead	1.55	U
Manganese	3.9	J
Mercury	0.05	U
Nickel	2.15	U
Selenium	2.4	R
Silver	0.6	U
Thallium	3.9	U
Vanadium	0.74	U
Zinc	3.425	
Pesticides/PCBs (µg/L)		
2,4,5-T	1.155	U
2,4,5-TP (silvex)	0.55	U
2,4-D	1.155	U
4,4'-DDD	0.0195	U
4,4'-DDE	0.0195	U
4,4'-DDT	0.0195	U
Aldrin	0.01	U
alpha-BHC	0.01	U
Aroclor-1016	0.06	U
Aroclor-1221	0.06	U
Aroclor-1232	0.06	U
Aroclor-1242	0.06	U
Aroclor-1248	0.06	U
Aroclor-1254	0.06	U
Aroclor-1260	0.06	U

PARAMETER	RESULT	QUAL
beta-BHC	0.01	U
Chlordane	0.175	U
delta-BHC	0.01	U
Dieldrin	0.0195	U
Endosulfan I	0.01	U
Endosulfan II	0.0195	U
Endosulfan sulfate	0.0195	U
Endrin	0.0195	U
Endrin aldehyde	0.0195	U
gamma-BHC (lindane)	0.01	U
Heptachlor	0.01	U
Heptachlor epoxide	0.01	U
Methoxychlor	0.15	U
Methyl parathion	0.0245	U
Parathion	0.0245	U
Phorate	0.0245	U
Toxaphene	0.84	U
S2MW-4 S2MW-4 B&RE		
Inorganics (µg/L)		
Aluminum	11.1	U
Antimony	2.6	U
Arsenic	4.9	U
Barium	16.5	J
Beryllium	0.3	U
Cadmium	0.4	UJ
Chromium	0.9	U
Cobalt	0.8	U
Copper	1.2	U
Cyanide	2.4	
Iron	97.4	J
Lead	1.8	UJ
Manganese	10.3	J
Mercury	0.13	
Nickel	1.7	U
Selenium	4.8	UR
Silver	0.7	U
Thallium	4.5	UJ
Vanadium	0.7	U
Zinc	1.4	U
Pesticides/PCBs (µg/L)		
2,4,5-T	0.21	U
2,4,5-TP (silvex)	0.1	U
2,4-D	0.21	U
4,4'-DDD	0.042	U
4,4'-DDE	0.042	U
4,4'-DDT	0.042	U
Aldrin	0.021	U
alpha-BHC	0.021	U
Aroclor-1016	0.13	U
Aroclor-1221	0.13	U

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PARAMETER	RESULT	QUAL
Aroclor-1232	0.13	U
Aroclor-1242	0.13	U
Aroclor-1248	0.13	U
Aroclor-1254	0.13	U
Aroclor-1260	0.13	U
beta-BHC	0.021	U
Chlordane	0.26	U
delta-BHC	0.021	U
Dieldrin	0.042	U
Endosulfan I	0.021	U
Endosulfan II	0.042	U
Endosulfan sulfate	0.042	U
Endrin	0.042	U
Endrin aldehyde	0.042	U
gamma-BHC (lindane)	0.021	U
Heptachlor	0.021	U
Heptachlor epoxide	0.021	U
Methoxychlor	0.21	U
Methyl parathion	0.053	U
Parathion	0.053	U
Phorate	0.053	U
Toxaphene	1	U
S2MW-1 AS1071/2184 IT(1994)		
Inorganics (µg/L)		
Arsenic	4.4	
Barium	19.2	
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Sulfide	22000	
Thallium	8	U
Tin	30	U
Vanadium	10	U
Zinc	5	U
Pesticides/PCBs (µg/L)		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-12	0.5	U

PARAMETER	RESULT	QUAL
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlorobenzilate	0.5	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Dinoseb	21	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Isodrin	0.05	U
Kepone	0.1	U
Methoxychlor	0.5	U
Sulfotep	10	U
Toxaphene	1	U
Semivolatile Organic Compounds (µg/L)		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	10	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	1000	U
1,4-naphthoquinone	10	U
1-naphthylamine	130	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	52	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	52	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	52	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	180	U
2-nitroaniline	52	U

PARAMETER	RESULT	QUAL
2-nitrophenol	10	U
2-picoline	74	U
3,3'-dichlorobenzidine	21	U
3,3'-dimethylbenzidine	84	U
3-methylcholanthrene	32	U
3-methylphenol	10	U
3-nitroaniline	52	U
4-aminobiphenyl	52	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	52	U
4-nitrophenol	52	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	21	U
7,12-dimethylbenz(a)anthracene	21	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	52	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U

PARAMETER	RESULT	QUAL
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachlorophene	52	U
Hexachloropropene	21	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	42	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	21	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	32	U
p-phenylenediamine	52	U
Pentachlorobenzene	21	U
Pentachloroethane	21	U
Pentachloronitrobenzene	21	U
Pentachlorophenol	52	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	32	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
Volatile Organic Compounds (µg/L)		
1,1,1,2-tetrachloroethane	5	U
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2,3-trichloropropane	5	U
1,2-dibromo-3-chloropropane	5	U
1,2-dibromoethane	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	32	
2-chloro-1,3-butadiene		U

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PARAMETER	RESULT	QUAL
2-hexanone	10	U
3-chloropropene	5	U
4-methyl-2-pentanone	10	U
Acetone	5	J
Acetonitrile	100	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,2-dichloroethene	5	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Dibromomethane	5	U
Dichlorodifluoromethane	20	U
Ethyl cyanide	100	U
Ethylbenzene	5	U
Iodomethane	5	U
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	1	J
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trans-1,4-dichloro-2-butene	20	U
Trichloroethene	5	U
Trichlorofluoromethane	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U

SWMU 4

S4MW-4	S4MW-4	B&RE
Inorganics (µg/L)		
Aluminum	28	U
Antimony	4	UJ
Arsenic	13.7	U
Barium	11	U
Beryllium	0.2	U
Cadmium	0.4	UJ
Chromium	2	U
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U
Iron	229	U
Lead	3	UJ
Manganese	11.9	U
Mercury	0.1	U
Nickel	4	U
Selenium	4	UJ
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	UJ
Pesticides/PCBs (µg/L)		
Chlorobenzilate	10	U
Dimethoate	10	U
Dinoseb	10	U
Disulfoton	10	U
Famphur	10	U
Isodrin	10	U
Kepone	10	U
Sulfotep	10	U
Thionazin	10	U
Semivolatile Organic Compounds (µg/L)		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	20	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	10	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	20	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	10	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	U
2-picoline	10	U
3,3'-dichlorobenzidine	50	U
3,3'-dimethylbenzidine	20	U
3-methylcholanthrene	10	U
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	10	U
4-nitrophenol	10	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	10	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U
Pentachloronitrobenzene	10	U
Pentachlorophenol	10	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
Volatile Organic Compounds (µg/L)		
1,1,1,2-tetrachloroethane	2	U
1,1,1-trichloroethane	2	U
1,1,2,2-tetrachloroethane	2	U
1,1,2-trichloroethane	2	U
1.1-dichloroethane	2	U
1,1-dichloroethene	2	U
1,2,3-trichloropropane	2	U
1,2-dibromo-3-chloropropane	2	U
1,2-dibromoethane	2	U
1,2-dichloroethane	2	U
1,2-dichloropropane	2	U
2-butanone	5	U
2-chloro-1,3-butadiene	2	U
2-hexanone	5	U
3-chloropropene	10	U
4-methyl-2-pentanone	5	U

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PARAMETER	RESULT	QUAL
Acetone	10	U
Acetonitrile	10	U
Acrolein	20	U
Acrylonitrile	20	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	2	U
Bromoform	2	U
Bromomethane	2	U
Carbon disulfide	5	U
Carbon tetrachloride	2	U
Chlorobenzene	2	U
Chloroethane	2	U
Chloroform	2	U
Chloromethane	2	U
Cis-1,3-dichloropropene	2	U
Dibromochloromethane	2	U
Dibromomethane	2	U
Dichlorodifluoromethane	2	U
Ethyl cyanide	20	U
Ethylbenzene	2	U
Iodomethane	5	U
Isobutanol	20	U
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	5	U
Styrene	3.4	
Tetrachloroethene	2	U
Toluene	2	U
Trans-1,2-dichloroethene	1.2	J
Trans-1,3-dichloropropene	2	U
Trans-1,4-dichloro-2-butene	10	U
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl acetate	5	U
Vinyl chloride	2.4	
Xylenes, total	4	U
S4MW-1 AS1137 IT(1994)		
Inorganics (µg/L)		
Antimony	30	U
Arsenic	2	U
Barium	11	
Beryllium	1	U
Cadmium	5	U
Chromium	13	
Cobalt	20	U
Copper	10	U
Lead	2	U
Mercury	0.2	U
Nickel	20	U

PARAMETER	RESULT	QUAL
Selenium	2	U
Silver	5	U
Sulfide	52000	
Thallium	2	U
Tin	30	U
Vanadium	10	U
Zinc	15.3	
Pesticides/PCBs (µg/L)		
2,4,5-T	2	U
2,4,5-TP (silvex)	2	U
2,4-D	2	U
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlorobenzilate	0.5	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Dimethoate	0.5	U
Dinoseb	21	U
Disulfoton	0.5	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
Famphur	0.5	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Isodrin	0.05	U
Kepone	0.1	U
Methoxychlor	0.5	U
Methyl parathion	0.5	U
Parathion	0.5	U
Phorate	1	U
Sulfotep	1	U
Thionazin	0.5	U
Toxaphene	1	U

PARAMETER	RESULT	QUAL
Semivolatile Organic Compounds (µg/L)		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	10	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	1000	U
1,4-naphthoquinone	10	U
1-naphthylamine	130	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	52	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	52	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	52	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	180	U
2-nitroaniline	52	U
2-nitrophenol	10	U
2-picoline	47	U
3,3'-dichlorobenzidine	21	U
3,3'-dimethylbenzidine	84	U
3-methylcholanthrene	32	U
3-methylphenol	10	U
3-nitroaniline	52	U
4-aminobiphenyl	52	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	52	U
4-nitrophenol	52	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	21	U
7,12-dimethylbenz(a)anthracene	21	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U

PARAMETER	RESULT	QUAL
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	52	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachlorophene	52	U
Hexachloropropene	21	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	42	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	21	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	32	U
p-phenylenediamine		U

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PARAMETER	RESULT	QUAL
Pentachlorobenzene	21	U
Pentachloroethane	21	U
Pentachloronitrobenzene	21	U
Pentachlorophenol	52	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	32	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
Volatile Organic Compounds (µg/L)		
1,1,1,2-tetrachloroethane	5	U
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2,3-trichloropropane	5	U
1,2-dibromo-3-chloropropane	5	U
1,2-dibromoethane	5	U
1,2-dichloroethane	5	U
1,2-dichloropropane	5	U
2-butanone	7	J
2-chloro-1,3-butadiene	5	U
2-hexanone	10	U
3-chloropropene	5	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Acetonitrile	100	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,2-dichloroethene	5	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Dibromomethane	5	U
Dichlorodifluoromethane	20	U
Ethyl cyanide	100	U
Ethylbenzene	5	U

PARAMETER	RESULT	QUAL
Iodomethane	5	U
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	5	U
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,2-dichloroethene	5	U
Trans-1,3-dichloropropene	5	U
Trans-1,4-dichloro-2-butene	20	U
Trichloroethene	5	U
Trichlorofluoromethane	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
SWMU 5		
S5MW-4 S5MW-4 B&RE		
Inorganics (µg/L)		
Aluminum	28	U
Antimony	12.6	U
Arsenic	6.4	U
Barium	8	
Beryllium	1.2	U
Cadmium	1.2	U
Chromium	2.1	
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U
Iron	31.1	U
Lead	3	U
Manganese	2.2	
Mercury	0.24	
Nickel	4	U
Selenium	4	U
Silver	3.3	
Thallium	4	U
Vanadium	3.9	
Zinc	2	U
Pesticides/PCBs (µg/L)		
Chlorobenzilate	50	U
Dimethoate	50	U
Dinoseb	10	U
Disulfoton	10	U
Famphur	10	U
Isodrin	10	U
Kepone	10	U
Sulfotep	10	U
Thionazin	10	U
Semivolatile Organic Compounds (µg/L)		
1,2,4,5-tetrachlorobenzene	10	U

PARAMETER	RESULT	QUAL
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	50	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	10	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	20	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	10	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	U
2-picoline	10	U
3,3'-dichlorobenzidine	50	U
3,3'-dimethylbenzidine	50	U
3-methylcholanthrene	10	U
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	10	U
4-nitrophenol	20	U
4-nitroquinoline-1-oxide	10	UR
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U

PARAMETER	RESULT	QUAL
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	50	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U

Keywest MOD01 Supplemental RFI/RI Background Samples
Groundwater Data Set

PARAMETER	RESULT	QUAL
Pentachloronitrobenzene	10	U
Pentachlorophenol	10	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
Volatile Organic Compounds (µg/L)		
Methyl methacrylate	10	U
S5MW-5 S5MW-5 B&RE		
Inorganics (µg/L)		
Aluminum	28	U
Antimony	4	U
Arsenic	27.3	U
Barium	11.2	
Beryllium	0.2	U
Cadmium	0.48	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U
Iron	20.2	U
Lead	3	U
Manganese	4.4	
Mercury	0.19	
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
Pesticides/PCBs (µg/L)		
Chlorobenzilate	50	U
Dimethoate	50	U
Dinoseb	10	U
Disulfoton	10	U
Famphur	10	U
Isodrin	10	U
Kepone	10	U
Sulfotep	10	U
Thionazin	10	U
Semivolatile Organic Compounds (µg/L)		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	50	U
1,3-dichlorobenzene	10	U
1,3-dinitrot	10	U

PARAMETER	RESULT	QUAL
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	10	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	20	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	10	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	U
2-picoline	10	U
3,3'-dichlorobenzidine	50	U
3,3'-dimethylbenzidine	50	U
3-methylcholanthrene	10	U
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	10	U
4-nitrophenol	20	U
4-nitroquinoline-1-oxide	10	UR
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U

PARAMETER	RESULT	QUAL
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	50	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U
Pentachloronitrobenzene	10	U
Pentachlorophenol	10	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U

PARAMETER	RESULT	QUAL
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
Volatile Organic Compounds (µg/L)		
Methyl methacrylate	10	U
SWMU 7		
S7MW-2 S7MW-2 B&RE		
Herbicides (µg/L)		
2,4,5-T	0.1	U
2,4,5-TP (silvex)	0.1	U
2,4-D	0.1	U
Inorganics (µg/L)		
Aluminum	28	U
Antimony	4	U
Arsenic	6.7	U
Barium	6.4	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U
Iron	29.8	U
Lead	3	U
Manganese	2.3	
Mercury	0.23	
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
Pesticides/PCBs (µg/L)		
4,4'-DDD	0.08	U
4,4'-DDE	0.08	U
4,4'-DDT	0.08	U
Aldrin	0.04	U
alpha-BHC	0.04	U
Aroclor-1016	0.25	U
Aroclor-1221	0.25	U
Aroclor-1232	0.25	U
Aroclor-1242	0.25	U
Aroclor-1248	0.25	U
Aroclor-1254	0.25	U
Aroclor-1260	0.25	U
beta-BHC	0.04	U
Chlordane	0.5	U
delta-BHC	[illegible]	U
Dieldrin		U

Keywest MOD01 Supplemental RFI/RI Background Samples
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PARAMETER	RESULT	QUAL
Endosulfan I	0.04	U
Endosulfan II	0.08	U
Endosulfan sulfate	0.08	U
Endrin	0.08	U
Endrin aldehyde	0.08	U
gamma-BHC (lindane)	0.04	U
Heptachlor	0.04	U
Heptachlor epoxide	0.04	U
Methoxychlor	0.4	U
Methyl parathion	0.1	U
Parathion	0.1	U
Phorate	0.1	U
Toxaphene	2	U
S7MW-2 AS1135	**IT(1994)**	
Inorganics (µg/L)		
Antimony	30	U
Arsenic	4.1	
Barium	6.6	
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	2.5	
Mercury	0.2	U
Nickel	20	U
Selenium	2	U
Silver	5	U
Sulfide	10000	
Thallium	2	U
Tin	30	U
Vanadium	10	U
Zinc	7.1	
Pesticides/PCBs (µg/L)		
2,4,5-T	2	U
2,4,5-TP (silvex)	2	U
2,4-D	2	U
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U

PARAMETER	RESULT	QUAL
beta-BHC	0.05	U
Chlorobenzilate	0.5	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Dimethoate	0.5	U
Dinoseb	20	U
Disulfoton	0.5	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
Famphur	0.5	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Isodrin	0.05	U
Kepone	0.1	U
Methoxychlor	0.5	U
Methyl parathion	0.5	U
Parathion	0.5	U
Phorate	1	U
Sulfotep	1	U
Thionazin	0.5	U
Toxaphene	1	U
Semivolatile Organic Compounds (µg/L)		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	10	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	1000	U
1,4-naphthoquinone	10	U
1-naphthylamine	120	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	50	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-methylnaphthalene	10	U

PARAMETER	RESULT	QUAL
2-methylphenol	10	U
2-naphthylamine	170	U
2-nitroaniline	50	U
2-nitrophenol	10	U
2-picoline	70	U
3,3'-dichlorobenzidine	20	U
3,3'-dimethylbenzidine	80	U
3-methylcholanthrene	30	U
3-methylphenol	10	U
3-nitroaniline	50	U
4-aminobiphenyl	50	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	50	U
4-nitrophenol	50	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	20	U
7,12-dimethylbenz(a)anthracene	20	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	50	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U

PARAMETER	RESULT	QUAL
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachlorophene	50	U
Hexachloropropene	20	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	40	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	20	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	30	U
p-phenylenediamine	50	U
Pentachlorobenzene	20	U
Pentachloroethane	20	U
Pentachloronitrobenzene	20	U
Pentachlorophenol	50	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	30	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
Volatile Organic Compounds (µg/L)		
1,1,1,2-tetrachloroethane	5	U
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2,3-trichloropropane	5	U
1,2-dibromo-3-chloropropane	5	U
1,2-dibromoethane	5	U
1,2-dichloroethane	5	U
1,2-dichloropropane	5	U
2-butanone	10	U

Keywest MOD01 Supplemental RFI/RI Background Samples
Groundwater Data Set

PARAMETER	RESULT	QUAL
2-chloro-1,3-butadiene	5	U
2-hexanone	10	U
3-chloropropene	5	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Acetonitrile	100	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,2-dichloroethene	5	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Dibromomethane	5	U
Dichlorodifluoromethane	20	U
Ethyl cyanide	100	U
Ethylbenzene	5	U
Iodomethane	5	U
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	1	J
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,2-dichloroethene	5	U
Trans-1,3-dichloropropene	5	U
Trans-1,4-dichloro-2-butene	20	U
Trichloroethene	5	U
Trichlorofluoromethane	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U

PARAMETER	RESULT	QUAL

PARAMETER	RESULT	QUAL

PARAMETER	RESULT	QUAL

KEY WEST MOD01
SUPPLEMENTAL RFI/RI BACKGROUND SAMPLES

TISSUE DATA SET

Keywest MOD01 Supplemental RFI/RI Background Samples
Tissue Data Set

PARAMETER	RESULT	QUAL
BG1		
BG1F-16 (96) FISH	CRESTED GOBY	
Inorganics (mg/kg)		
Antimony	4.8	U
Arsenic	0.19	U
Barium	0.89	
Beryllium	0.38	U
Cadmium	0.48	U
Chromium	0.95	U
Cobalt	0.95	U
Copper	0.48	U
Lead	0.16	
Mercury	0.04	U
Nickel	1.4	U
Selenium	0.29	
Silver	0.48	U
Thallium	0.19	U
Tin	4.8	U
Vanadium	0.95	U
Zinc	45	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1	U
4,4'-DDE	6.9	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	840	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	420	U
1,2,4-trichlorobenzene	600	U
1,2-dichlorobenzene	420	U
1,3,5-trinitrobenzene	4200	U
1,3-dichlorobenzene	420	U
1,3-dinitrobenzene	1200	U
1,4-dichlorobenzene	420	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	840	U
1-naphthylamine	840	U
2,3,4,6-tetrachlorophenol	840	U
2,4,5-trichlorophenol	1800	U
2,4,6-trichlorophenol	1800	U
2,4-dichlorophenol	840	U
2,4-dimethylphenol	840	U
2,4-dinitrophenol	7800	U
2,4-dinitrotoluene	840	U
2,6-dichlorophenol	420	U
2,6-dinitrotoluene	840	U
2-acetylaminofluorene	840	U
2-chloronaphthalene	420	U
2-chlorophenol	840	U
2-methyl-4,6-dinitrophenol	6000	U
2-methylnaphthalene	600	U
2-methylphenol	840	U
2-naphthylamine	840	U
2-nitroaniline	1800	U
2-nitrophenol	840	U
2-picoline	840	U
3,3'-dichlorobenzidine	3000	U
3,3'-dimethylbenzidine	840	U
3-methylcholanthrene	840	U
3-methylphenol	840	U
3-nitroaniline	1800	U
4-aminobiphenyl	420	U
4-bromophenyl phenyl ether	840	U
4-chloro-3-methylphenol	840	U
4-chloroaniline	1800	U
4-chlorophenyl phenyl ether	600	U
4-methylphenol	840	U
4-nitroaniline	1800	U
4-nitrophenol	3000	U
4-nitroquinoline-1-oxide	1800	U
5-nitro-o-toluidine	840	U
7,12-dimethylbenz(a)anthracene	840	U
a,a-dimethylphenethylamine	3000	U
Acenaphthene	420	U
Acenaphthylene	420	U
Acetophenone	420	U
Aniline	840	U
Anthracene	420	U
Aramite	2200	U
Benzo(a)anthracene	600	U
Benzo(a)pyrene	840	U
Benzo(b)fluoranthene	600	U
Benzo(g,h,i)perylene	960	U
Benzo(k)fluoranthene	600	U
Benzyl alcohol	840	U
Bis(2-chloroethoxy)methane	420	U
Bis(2-chloroethyl)ether	420	U
Bis(2-ethylhexyl)phthalate	630	U
Butyl benzyl phthalate	600	U
Chrysene	600	U
Di-n-butyl phthalate	420	U
Di-n-octyl phthalate	840	U
Diallate	420	U
Dibenzo(a,h)anthracene	960	U
Dibenzofuran	420	U
Diethyl phthalate	420	U
Dimethyl phthalate	600	U
Diphenylamine	420	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	420	U
Fluoranthene	420	U
Fluorene	420	U
Hexachlorobenzene	600	U
Hexachlorobutadiene	840	U
Hexachlorocyclopentadiene	6000	U
Hexachloroethane	600	U
Hexachlorophene	96000	UR
Hexachloropropene	840	U
Indeno(1,2,3-cd)pyrene	960	U
Isophorone	840	U
Isosafrole	420	U
Methapyrilene	3000	U
Methyl methanesulfonate	420	U
N-nitroso-di-n-butylamine	420	U
N-nitroso-di-n-propylamine	600	U
N-nitrosodiethylamine	420	U
N-nitrosodimethylamine	600	U
N-nitrosodiphenylamine	420	U
N-nitrosomethylethylamine	420	U
N-nitrosomorpholine	420	U
N-nitrosopiperidine	420	U
N-nitrosopyrrolidine	420	U
Naphthalene	420	U
Nitrobenzene	420	U
o-toluidine	420	U
p-dimethylaminoazobenzene	840	U
p-phenylenediamine	12000	U
Pentachlorobenzene	420	U
Pentachloroethane	500	U
Pentachloronitrobenzene	2100	U
Pentachlorophenol	3000	UR
Phenacetin	420	U
Phenanthrene	420	U
Phenol	840	U
Pronamide	420	U
Pyrene	420	U
Pyridine	840	U
Safrole	420	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	420	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U

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PARAMETER	RESULT	QUAL
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-18 (96) FISH	CRESTED GOBY	
Inorganics (mg/kg)		
Antimony	4.7	U
Arsenic	0.19	U
Barium	0.7	
Beryllium	0.37	U
Cadmium	0.47	U
Chromium	0.93	U
Cobalt	0.93	U
Copper	0.47	U
Lead	0.14	U
Mercury	0.04	U
Nickel	1.4	U
Selenium	0.26	
Silver	0.47	U
Thallium	0.19	U
Tin	4.7	U
Vanadium	0.93	U
Zinc	29.4	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1	U
4,4'-DDE	6	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor	20	U

PARAMETER	RESULT	QUAL
Aroclor-1260	20	U
beta-BHC	4.4	
Chlordane	5	U
Chlorobenzilate	840	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	420	U
1,2,4-trichlorobenzene	600	U
1,2-dichlorobenzene	420	U
1,3,5-trinitrobenzene	4200	U
1,3-dichlorobenzene	420	U
1,3-dinitrobenzene	1200	U
1,4-dichlorobenzene	420	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	840	U
1-naphthylamine	840	U
2,3,4,6-tetrachlorophenol	840	U
2,4,5-trichlorophenol	1800	U
2,4,6-trichlorophenol	1800	U
2,4-dichlorophenol	840	U
2,4-dimethylphenol	840	U
2,4-dinitrophenol	7800	U
2,4-dinitrotoluene	840	U
2,6-dichlorophenol	420	U
2,6-dinitrotoluene	840	U
2-acetylaminofluorene	840	U
2-chloronaphthalene	420	U
2-chlorophenol	840	U
2-methyl-4,6-dinitrophenol	6000	U
2-methylnaphthalene	600	U
2-methylphenol	840	U
2-naphthylamine	840	U
2-nitroaniline	1800	U
2-nitrophenol	840	U
2-picoline	840	U
3,3'-dichlorobenzidine	3000	U

PARAMETER	RESULT	QUAL
3,3'-dimethylbenzidine	840	U
3-methylcholanthrene	840	U
3-methylphenol	840	U
3-nitroaniline	1800	U
4-aminobiphenyl	420	U
4-bromophenyl phenyl ether	840	U
4-chloro-3-methylphenol	840	U
4-chloroaniline	1800	U
4-chlorophenyl phenyl ether	600	U
4-methylphenol	840	U
4-nitroaniline	1800	U
4-nitrophenol	3000	U
4-nitroquinoline-1-oxide	1800	U
5-nitro-o-toluidine	840	U
7,12-dimethylbenz(a)anthracene	840	U
a,a-dimethylphenethylamine	3000	U
Acenaphthene	420	U
Acenaphthylene	420	U
Acetophenone	420	U
Aniline	840	U
Anthracene	420	U
Aramite	2200	U
Benzo(a)anthracene	600	U
Benzo(a)pyrene	840	U
Benzo(b)fluoranthene	600	U
Benzo(g,h,i)perylene	960	U
Benzo(k)fluoranthene	600	U
Benzyl alcohol	840	U
Bis(2-chloroethoxy)methane	420	U
Bis(2-chloroethyl)ether	420	U
Bis(2-ethylhexyl)phthalate	1100	U
Butyl benzyl phthalate	600	U
Chrysene	600	U
Di-n-butyl phthalate	420	U
Di-n-octyl phthalate	840	U
Diallate	420	U
Dibenzo(a,h)anthracene	960	U
Dibenzofuran	420	U
Diethyl phthalate	420	U
Dimethyl phthalate	600	U
Diphenylamine	420	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	420	U
Fluoranthene	420	U
Fluorene	420	U
Hexachlorobenzene	600	U
Hexachlorobutadiene	840	U
Hexachlorocyclopentadiene	6000	U
Hexachloroethane	600	U
Hexachlorophene	96000	UR

PARAMETER	RESULT	QUAL
Hexachloropropene	840	U
Indeno(1,2,3-cd)pyrene	960	U
Isophorone	840	U
Isosafrole	420	U
Methapyrilene	3000	U
Methyl methanesulfonate	420	U
N-nitroso-di-n-butylamine	420	U
N-nitroso-di-n-propylamine	600	U
N-nitrosodiethylamine	420	U
N-nitrosodimethylamine	600	U
N-nitrosodiphenylamine	420	U
N-nitrosomethylethylamine	420	U
N-nitrosomorpholine	420	U
N-nitrosopiperidine	420	U
N-nitrosopyrrolidine	420	U
Naphthalene	420	U
Nitrobenzene	420	U
o-toluidine	420	U
p-dimethylaminoazobenzene	840	U
p-phenylenediamine	12000	U
Pentachlorobenzene	420	U
Pentachloroethane	500	U
Pentachloronitrobenzene	2100	U
Pentachlorophenol	3000	UR
Phenacetin	420	U
Phenanthrene	420	U
Phenol	840	U
Pronamide	420	U
Pyrene	420	U
Pyridine	840	U
Safrole	420	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	[illegible]000	U

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PARAMETER	RESULT	QUAL
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	420	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-27 (96) FISH	**CRESTED GOBY**	
Inorganics (mg/kg)		
Antimony	4.6	U
Arsenic	0.18	UJ
Barium	0.7	
Beryllium	0.37	U
Cadmium	0.46	U
Chromium	3.1	
Cobalt	0.91	U
Copper	16.3	
Lead	0.14	U
Mercury	0.03	J
Nickel	1.4	U
Selenium	0.34	
Silver	0.46	U

PARAMETER	RESULT	QUAL
Thallium	0.18	U
Tin	4.6	U
Vanadium	0.91	U
Zinc	37.5	J
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.7	U
4,4'-DDE	5.8	
4,4'-DDT	1.7	U
Aldrin	1.7	U
alpha-BHC	1.7	U
alpha-chlordane	1.7	U
Aroclor-1016	33	U
Aroclor-1221	33	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	8.3	U
Chlorobenzilate	1400	U
delta-BHC	1.7	U
Dieldrin	1.7	U
Endosulfan I	1.7	U
Endosulfan II	1.7	U
Endosulfan sulfate	1.7	U
Endrin	1.7	U
Endrin aldehyde	1.7	U
gamma-BHC (lindane)	1.7	U
gamma-chlordane	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	1.7	U
Kepone	333	UJ
Methoxychlor	1.7	U
Toxaphene	167	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	700	U
1,2,4-trichlorobenzene	1000	U
1,2-dichlorobenzene	700	U
1,3,5-trinitrobenzene	7000	U
1,3-dichlorobenzene	700	U
1,3-dinitrobenzene	2000	U
1,4-dichlorobenzene	700	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	1400	U
1-naphthylamine	1400	U
2,3,4,6-tetrachlorophenol	1400	U
2,4,5-trichlorophenol	3000	U
2,4,6-trichlorophenol	3000	U

PARAMETER	RESULT	QUAL
2,4-dichlorophenol	1400	U
2,4-dimethylphenol	1400	U
2,4-dinitrophenol	13000	U
2,4-dinitrotoluene	1400	U
2,6-dichlorophenol	700	U
2,6-dinitrotoluene	1400	U
2-acetylaminofluorene	1400	U
2-chloronaphthalene	700	U
2-chlorophenol	1400	U
2-methyl-4,6-dinitrophenol	10000	U
2-methylnaphthalene	1000	U
2-methylphenol	1400	U
2-naphthylamine	1400	U
2-nitroaniline	3000	U
2-nitrophenol	1400	U
2-picoline	1400	U
3,3'-dichlorobenzidine	5000	UJ
3,3'-dimethylbenzidine	1400	U
3-methylcholanthrene	1400	U
3-methylphenol	1400	U
3-nitroaniline	3000	UJ
4-aminobiphenyl	700	U
4-bromophenyl phenyl ether	1400	U
4-chloro-3-methylphenol	1400	U
4-chloroaniline	3000	U
4-chlorophenyl phenyl ether	1000	U
4-methylphenol	1400	U
4-nitroaniline	3000	U
4-nitrophenol	5000	U
4-nitroquinoline-1-oxide	3000	U
5-nitro-o-toluidine	1400	U
7,12-dimethylbenz(a)anthracene	1400	U
a,a-dimethylphenethylamine	5000	U
Acenaphthene	700	U
Acenaphthylene	700	U
Acetophenone	700	U
Aniline	1400	U
Anthracene	700	U
Aramite	3600	U
Benzo(a)anthracene	1000	U
Benzo(a)pyrene	1400	U
Benzo(b)fluoranthene	1000	U
Benzo(g,h,i)perylene	1600	U
Benzo(k)fluoranthene	1000	UJ
Benzyl alcohol	1400	U
Bis(2-chloroethoxy)methane	700	U
Bis(2-chloroethyl)ether	700	U
Bis(2-ethylhexyl)phthalate	1000	U
Butyl benzyl phthalate	1000	U
Chrysene	1000	U

PARAMETER	RESULT	QUAL
Di-n-butyl phthalate	700	U
Di-n-octyl phthalate	1400	U
Diallate	700	U
Dibenzo(a,h)anthracene	1600	U
Dibenzofuran	700	U
Diethyl phthalate	700	U
Dimethyl phthalate	1000	U
Diphenylamine	700	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	700	U
Fluoranthene	700	U
Fluorene	700	U
Hexachlorobenzene	1000	U
Hexachlorobutadiene	1400	U
Hexachlorocyclopentadiene	10000	U
Hexachloroethane	1000	U
Hexachlorophene	160000	U
Hexachloropropene	1400	U
Indeno(1,2,3-cd)pyrene	1600	U
Isophorone	1400	U
Isosafrole	700	U
Methapyrilene	5000	U
Methyl methanesulfonate	700	U
N-nitroso-di-n-butylamine	700	U
N-nitroso-di-n-propylamine	1000	U
N-nitrosodiethylamine	700	U
N-nitrosodimethylamine	1000	U
N-nitrosodiphenylamine	700	U
N-nitrosomethylethylamine	700	U
N-nitrosomorpholine	700	U
N-nitrosopiperidine	700	U
N-nitrosopyrrolidine	700	U
Naphthalene	700	U
Nitrobenzene	700	U
o-toluidine	700	U
p-dimethylaminoazobenzene	1400	U
p-phenylenediamine	20000	U
Pentachlorobenzene	700	U
Pentachloroethane	500	U
Pentachloronitrobenzene	3500	U
Pentachlorophenol	5000	U
Phenacetin	700	U
Phenanthrene	700	U
Phenol	1400	U
Pronamide	700	U
Pyrene	700	U
Pyridine	1400	U
Safrole	700	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U

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PARAMETER	RESULT	QUAL
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	700	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl a	1000	U

PARAMETER	RESULT	QUAL
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-28 (96) FISH	CRESTED GOBY	
Inorganics (mg/kg)		
Antimony	5	U
Arsenic	0.2	UJ
Barium	0.67	
Beryllium	0.4	U
Cadmium	0.5	U
Chromium	0.99	U
Cobalt	0.99	U
Copper	0.7	
Lead	0.15	U
Mercury	0.04	J
Nickel	1.5	U
Selenium	0.37	
Silver	0.5	U
Thallium	0.2	U
Tin	5	U
Vanadium	0.99	U
Zinc	41.5	J
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1	U
4,4'-DDE	7	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	2100	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U

PARAMETER	RESULT	QUAL
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	1100	U
1,2,4-trichlorobenzene	1500	U
1,2-dichlorobenzene	1100	U
1,3,5-trinitrobenzene	11000	U
1,3-dichlorobenzene	1100	U
1,3-dinitrobenzene	3000	U
1,4-dichlorobenzene	1100	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	2100	U
1-naphthylamine	2100	U
2,3,4,6-tetrachlorophenol	2100	U
2,4,5-trichlorophenol	4500	U
2,4,6-trichlorophenol	4500	U
2,4-dichlorophenol	2100	U
2,4-dimethylphenol	2100	U
2,4-dinitrophenol	20000	U
2,4-dinitrotoluene	2100	U
2,6-dichlorophenol	1100	U
2,6-dinitrotoluene	2100	U
2-acetylaminofluorene	2100	U
2-chloronaphthalene	1100	U
2-chlorophenol	2100	U
2-methyl-4,6-dinitrophenol	15000	U
2-methylnaphthalene	1500	U
2-methylphenol	2100	U
2-naphthylamine	2100	U
2-nitroaniline	4500	U
2-nitrophenol	2100	U
2-picoline	2100	U
3,3'-dichlorobenzidine	7500	UJ
3,3'-dimethylbenzidine	2100	U
3-methylcholanthrene	2100	U
3-methylphenol	2100	U
3-nitroaniline	4500	UJ
4-aminobiphenyl	1100	U
4-bromophenyl phenyl ether	2100	U
4-chloro-3-methylphenol	2100	U
4-chloroaniline	4500	UJ
4-chlorophenyl phenyl ether	1500	U
4-methylphenol	2100	U
4-nitroaniline	4500	U
4-nitrophenol	7500	U
4-nitroquinoline-1-oxide	4500	U
5-nitro-o-toluidine	2100	U
7,12-dimethylbenz(a)anthracene	2100	U
a,a-dimethylphenethylamine	7500	U

PARAMETER	RESULT	QUAL
Acenaphthene	1100	U
Acenaphthylene	1100	U
Acetophenone	1100	U
Aniline	2100	U
Anthracene	1100	U
Aramite	5400	U
Benzo(a)anthracene	1500	U
Benzo(a)pyrene	2100	U
Benzo(b)fluoranthene	1500	U
Benzo(g,h,i)perylene	2400	U
Benzo(k)fluoranthene	1500	UJ
Benzyl alcohol	2100	U
Bis(2-chloroethoxy)methane	1100	U
Bis(2-chloroethyl)ether	1100	U
Bis(2-ethylhexyl)phthalate	1500	U
Butyl benzyl phthalate	1500	U
Chrysene	1500	U
Di-n-butyl phthalate	1100	U
Di-n-octyl phthalate	2100	U
Diallate	1100	U
Dibenzo(a,h)anthracene	2400	U
Dibenzofuran	1100	U
Diethyl phthalate	1100	U
Dimethyl phthalate	1500	U
Diphenylamine	1100	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	1100	U
Fluoranthene	1100	U
Fluorene	1100	U
Hexachlorobenzene	1500	U
Hexachlorobutadiene	2100	U
Hexachlorocyclopentadiene	15000	U
Hexachloroethane	1500	U
Hexachlorophene	240000	U
Hexachloropropene	2100	U
Indeno(1,2,3-cd)pyrene	2400	U
Isophorone	2100	U
Isosafrole	1100	U
Methapyrilene	7500	U
Methyl methanesulfonate	1100	U
N-nitroso-di-n-butylamine	1100	U
N-nitroso-di-n-propylamine	1500	U
N-nitrosodiethylamine	1100	U
N-nitrosodimethylamine	1500	U
N-nitrosodiphenylamine	1100	U
N-nitrosomethylethylamine	1100	U
N-nitrosomorpholine	1100	U
N-nitrosopiperidine	1100	U
N-nitrosopyrrolidine	1100	U
Naphthalene	00	U

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PARAMETER	RESULT	QUAL
Nitrobenzene	1100	U
o-toluidine	1100	U
p-dimethylaminoazobenzene	2100	U
p-phenylenediamine	30000	U
Pentachlorobenzene	1100	U
Pentachloroethane	500	U
Pentachloronitrobenzene	5300	U
Pentachlorophenol	7500	U
Phenacetin	1100	U
Phenanthrene	1100	U
Phenol	2100	U
Pronamide	1100	U
Pyrene	1100	U
Pyridine	2100	U
Safrole	1100	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	1100	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U

PARAMETER	RESULT	QUAL
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-03 (96) FISH		LADYFISH
Inorganics (mg/kg)		
Antimony	4.8	U
Arsenic	0.37	
Barium	0.48	U
Beryllium	0.38	U
Cadmium	0.48	U
Chromium	0.96	U
Cobalt	0.96	U
Copper	0.48	U
Lead	0.14	U
Mercury	0.04	U
Nickel	1.4	U
Selenium	0.24	U
Silver	0.48	U
Thallium	0.19	U
Tin	4.8	U
Vanadium	0.96	U
Zinc	8.3	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.6	
4,4'-DDE	39.6	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U

PARAMETER	RESULT	QUAL
Aroclor-1254	20	U
Aroclor-1260	127	
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	840	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	420	U
1,2,4-trichlorobenzene	600	U
1,2-dichlorobenzene	420	U
1,3,5-trinitrobenzene	4200	U
1,3-dichlorobenzene	420	U
1,3-dinitrobenzene	1200	U
1,4-dichlorobenzene	420	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	840	U
1-naphthylamine	840	U
2,3,4,6-tetrachlorophenol	840	U
2,4,5-trichlorophenol	1800	U
2,4,6-trichlorophenol	1800	U
2,4-dichlorophenol	840	U
2,4-dimethylphenol	840	U
2,4-dinitrophenol	7800	U
2,4-dinitrotoluene	840	U
2,6-dichlorophenol	420	U
2,6-dinitrotoluene	840	U
2-acetylaminofluorene	840	U
2-chloronaphthalene	420	U
2-chlorophenol	840	U
2-methyl-4,6-dinitrophenol	6000	U
2-methylnaphthalene	600	U
2-methylphenol	840	U
2-naphthylamine	840	U
2-nitroaniline	1800	U
2-nitrophenol	840	U
2-picoline	840	U

PARAMETER	RESULT	QUAL
3,3'-dichlorobenzidine	3000	U
3,3'-dimethylbenzidine	840	U
3-methylcholanthrene	840	U
3-methylphenol	840	U
3-nitroaniline	1800	U
4-aminobiphenyl	420	U
4-bromophenyl phenyl ether	840	U
4-chloro-3-methylphenol	840	U
4-chloroaniline	1800	U
4-chlorophenyl phenyl ether	600	U
4-methylphenol	840	U
4-nitroaniline	1800	U
4-nitrophenol	3000	U
4-nitroquinoline-1-oxide	1800	U
5-nitro-o-toluidine	840	U
7,12-dimethylbenz(a)anthracene	840	U
a,a-dimethylphenethylamine	3000	U
Acenaphthene	420	U
Acenaphthylene	420	U
Acetophenone	420	U
Aniline	840	U
Anthracene	420	U
Aramite	2200	U
Benzo(a)anthracene	600	U
Benzo(a)pyrene	840	U
Benzo(b)fluoranthene	600	U
Benzo(g,h,i)perylene	960	U
Benzo(k)fluoranthene	600	U
Benzyl alcohol	840	U
Bis(2-chloroethoxy)methane	420	U
Bis(2-chloroethyl)ether	420	U
Bis(2-ethylhexyl)phthalate	600	U
Butyl benzyl phthalate	600	U
Chrysene	600	U
Di-n-butyl phthalate	420	U
Di-n-octyl phthalate	840	U
Diallate	420	U
Dibenzo(a,h)anthracene	960	U
Dibenzofuran	420	U
Diethyl phthalate	420	U
Dimethyl phthalate	600	U
Diphenylamine	420	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	420	U
Fluoranthene	420	U
Fluorene	420	U
Hexachlorobenzene	600	U
Hexachlorobutadiene	840	U
Hexachlorocyclopentadiene	6000	U
Hexachloroethane	600	U

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PARAMETER	RESULT	QUAL
Hexachlorophene	96000	UR
Hexachloropropene	840	U
Indeno(1,2,3-cd)pyrene	960	U
Isophorone	840	U
Isosafrole	420	U
Methapyrilene	3000	U
Methyl methanesulfonate	420	U
N-nitroso-di-n-butylamine	420	U
N-nitroso-di-n-propylamine	600	U
N-nitrosodiethylamine	420	U
N-nitrosodimethylamine	600	U
N-nitrosodiphenylamine	420	U
N-nitrosomethylethylamine	420	U
N-nitrosomorpholine	420	U
N-nitrosopiperidine	420	U
N-nitrosopyrrolidine	420	U
Naphthalene	420	U
Nitrobenzene	420	U
o-toluidine	420	U
p-dimethylaminoazobenzene	840	U
p-phenylenediamine	12000	UR
Pentachlorobenzene	420	U
Pentachloroethane	500	U
Pentachloronitrobenzene	2100	U
Pentachlorophenol	3000	UR
Phenacetin	420	U
Phenanthrene	420	U
Phenol	840	U
Pronamide	420	U
Pyrene	420	U
Pyridine	840	U
Safrole	420	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U

PARAMETER	RESULT	QUAL
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	420	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-04 (96) FISH		**LADYFISH**
Inorganics (mg/kg)		
Antimony	4.8	U
Arsenic	0.19	U
Barium	0.48	U
Beryllium	0.39	U
Cadmium	0.48	U
Chromium	0.97	U
Cobalt	0.97	U
Copper	0.48	U
Lead	0.15	U
Mercury	0.06	
Nickel	1.5	U
Selenium	0.24	U

PARAMETER	RESULT	QUAL
Silver	0.46	U
Thallium	0.19	U
Tin	4.8	U
Vanadium	0.97	U
Zinc	6.2	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1	U
4,4'-DDE	68.4	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	148	
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	420	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	210	U
1,2,4-trichlorobenzene	300	U
1,2-dichlorobenzene	210	U
1,3,5-trinitrobenzene	2100	U
1,3-dichlorobenzene	210	U
1,3-dinitrobenzene	600	U
1,4-dichlorobenzene	210	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	420	U
1-naphthylamine	420	U
2,3,4,6-tetrachlorophenol	420	U
2,4,5-trichlorophenol	900	U

PARAMETER	RESULT	QUAL
2,4,6-trichlorophenol	900	U
2,4-dichlorophenol	420	U
2,4-dimethylphenol	420	U
2,4-dinitrophenol	3900	U
2,4-dinitrotoluene	420	U
2,6-dichlorophenol	210	U
2,6-dinitrotoluene	420	U
2-acetylaminofluorene	420	U
2-chloronaphthalene	210	U
2-chlorophenol	420	U
2-methyl-4,6-dinitrophenol	3000	U
2-methylnaphthalene	300	U
2-methylphenol	420	U
2-naphthylamine	420	U
2-nitroaniline	900	U
2-nitrophenol	420	U
2-picoline	420	U
3,3'-dichlorobenzidine	1500	U
3,3'-dimethylbenzidine	420	U
3-methylcholanthrene	420	U
3-methylphenol	420	U
3-nitroaniline	900	U
4-aminobiphenyl	210	U
4-bromophenyl phenyl ether	420	U
4-chloro-3-methylphenol	420	U
4-chloroaniline	900	U
4-chlorophenyl phenyl ether	300	U
4-methylphenol	420	U
4-nitroaniline	900	U
4-nitrophenol	1500	U
4-nitroquinoline-1-oxide	900	U
5-nitro-o-toluidine	420	U
7,12-dimethylbenz(a)anthracene	420	U
a,a-dimethylphenethylamine	1500	U
Acenaphthene	210	U
Acenaphthylene	210	U
Acetophenone	210	U
Aniline	420	U
Anthracene	210	U
Aramite	1100	U
Benzo(a)anthracene	300	U
Benzo(a)pyrene	420	U
Benzo(b)fluoranthene	300	U
Benzo(g,h,i)perylene	480	U
Benzo(k)fluoranthene	300	U
Benzyl alcohol	420	U
Bis(2-chloroethoxy)methane	210	U
Bis(2-chloroethyl)ether	210	U
Bis(2-ethylhexyl)phthalate	690	U
Butyl benzyl phthalate	[illegible]00	U

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PARAMETER	RESULT	QUAL
Chrysene	300	U
Di-n-butyl phthalate	210	U
Di-n-octyl phthalate	420	U
Diallate	210	U
Dibenzo(a,h)anthracene	480	U
Dibenzofuran	210	U
Diethyl phthalate	210	U
Dimethyl phthalate	300	U
Diphenylamine	210	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	210	U
Fluoranthene	210	U
Fluorene	210	U
Hexachlorobenzene	300	U
Hexachlorobutadiene	420	U
Hexachlorocyclopentadiene	3000	U
Hexachloroethane	300	U
Hexachlorophene	48000	UR
Hexachloropropene	420	U
Indeno(1,2,3-cd)pyrene	480	U
Isophorone	420	U
Isosafrole	210	U
Methapyrilene	1500	U
Methyl methanesulfonate	210	U
N-nitroso-di-n-butylamine	210	U
N-nitroso-di-n-propylamine	300	U
N-nitrosodiethylamine	210	U
N-nitrosodimethylamine	300	U
N-nitrosodiphenylamine	210	U
N-nitrosomethylethylamine	210	U
N-nitrosomorpholine	210	U
N-nitrosopiperidine	210	U
N-nitrosopyrrolidine	210	U
Naphthalene	210	U
Nitrobenzene	210	U
o-toluidine	210	U
p-dimethylaminoazobenzene	420	U
p-phenylenediamine	6000	U
Pentachlorobenzene	210	U
Pentachloroethane	500	U
Pentachloronitrobenzene	1100	U
Pentachlorophenol	1500	UR
Phenacetin	210	U
Phenanthrene	210	U
Phenol	420	U
Pronamide	210	U
Pyrene	210	U
Pyridine	420	U
Safrole	210	U
Volatile ic Compounds (µg/kg)		

PARAMETER	RESULT	QUAL
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	210	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U

PARAMETER	RESULT	QUAL
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-05 (96) FISH		**LADYFISH**
Inorganics (mg/kg)		
Antimony	4.9	U
Arsenic	0.35	
Barium	0.49	U
Beryllium	0.39	U
Cadmium	0.49	U
Chromium	0.98	U
Cobalt	0.98	U
Copper	0.49	U
Lead	0.15	U
Mercury	0.04	U
Nickel	1.5	U
Selenium	0.25	U
Silver	0.49	U
Thallium	0.2	U
Tin	4.9	U
Vanadium	0.98	U
Zinc	11.2	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1	U
4,4'-DDE	20.2	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	59	
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	840	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U

PARAMETER	RESULT	QUAL
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	420	U
1,2,4-trichlorobenzene	600	U
1,2-dichlorobenzene	420	U
1,3,5-trinitrobenzene	4200	U
1,3-dichlorobenzene	420	U
1,3-dinitrobenzene	1200	U
1,4-dichlorobenzene	420	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	840	U
1-naphthylamine	840	U
2,3,4,6-tetrachlorophenol	840	U
2,4,5-trichlorophenol	1800	U
2,4,6-trichlorophenol	1800	U
2,4-dichlorophenol	840	U
2,4-dimethylphenol	840	U
2,4-dinitrophenol	7800	U
2,4-dinitrotoluene	840	U
2,6-dichlorophenol	420	U
2,6-dinitrotoluene	840	U
2-acetylaminofluorene	840	U
2-chloronaphthalene	420	U
2-chlorophenol	840	U
2-methyl-4,6-dinitrophenol	6000	U
2-methylnaphthalene	600	U
2-methylphenol	840	U
2-naphthylamine	840	U
2-nitroaniline	1800	U
2-nitrophenol	840	U
2-picoline	840	U
3,3'-dichlorobenzidine	3000	U
3,3'-dimethylbenzidine	840	U
3-methylcholanthrene	840	U
3-methylphenol	840	U
3-nitroaniline	1800	U
4-aminobiphenyl	420	U
4-bromophenyl phenyl ether	840	U
4-chloro-3-methylphenol	840	U
4-chloroaniline	1800	U
4-chlorophenyl phenyl ether	600	U
4-methylphenol	840	U
4-nitroaniline	1800	U
4-nitrophenol	3000	U
4-nitroquinoline-1-oxide	1800	U
5-nitro-o-toluidine	840	U
7,12-dimethylbenz(a)anthracene	840	U

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PARAMETER	RESULT	QUAL
a,a-dimethylphenethylamine	3000	U
Acenaphthene	420	U
Acenaphthylene	420	U
Acetophenone	420	U
Aniline	840	U
Anthracene	420	U
Aramite	2200	U
Benzo(a)anthracene	600	U
Benzo(a)pyrene	840	U
Benzo(b)fluoranthene	600	U
Benzo(g,h,i)perylene	960	U
Benzo(k)fluoranthene	600	U
Benzyl alcohol	840	U
Bis(2-chloroethoxy)methane	420	U
Bis(2-chloroethyl)ether	420	U
Bis(2-ethylhexyl)phthalate	600	U
Butyl benzyl phthalate	600	U
Chrysene	600	U
Di-n-butyl phthalate	420	U
Di-n-octyl phthalate	840	U
Diallate	420	U
Dibenzo(a,h)anthracene	960	U
Dibenzofuran	420	U
Diethyl phthalate	420	U
Dimethyl phthalate	600	U
Diphenylamine	420	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	420	U
Fluoranthene	420	U
Fluorene	420	U
Hexachlorobenzene	600	U
Hexachlorobutadiene	840	U
Hexachlorocyclopentadiene	6000	U
Hexachloroethane	600	U
Hexachlorophene	96000	UR
Hexachloropropene	840	U
Indeno(1,2,3-cd)pyrene	960	U
Isophorone	840	U
Isosafrole	420	U
Methapyrilene	3000	U
Methyl methanesulfonate	420	U
N-nitroso-di-n-butylamine	420	U
N-nitroso-di-n-propylamine	600	U
N-nitrosodiethylamine	420	U
N-nitrosodimethylamine	600	U
N-nitrosodiphenylamine	420	U
N-nitrosomethylethylamine	420	U
N-nitrosomorpholine	420	U
N-nitrosopiperidine	420	U
N-nitrosopyrrolidine	420	U

PARAMETER	RESULT	QUAL
Naphthalene	420	U
Nitrobenzene	420	U
o-toluidine	420	U
p-dimethylaminoazobenzene	840	U
p-phenylenediamine	12000	U
Pentachlorobenzene	420	U
Pentachloroethane	500	U
Pentachloronitrobenzene	2100	U
Pentachlorophenol	3000	UR
Phenacetin	420	U
Phenanthrene	420	U
Phenol	840	U
Pronamide	420	U
Pyrene	420	U
Pyridine	840	U
Safrole	420	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	420	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U

PARAMETER	RESULT	QUAL
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-06 (96) FISH		**LADYFISH**
Inorganics (mg/kg)		
Antimony	4.8	U
Arsenic	0.29	
Barium	0.48	U
Beryllium	0.39	U
Cadmium	0.48	U
Chromium	0.97	U
Cobalt	0.97	U
Copper	0.48	U
Lead	0.15	U
Mercury	0.04	U
Nickel	1.5	U
Selenium	0.24	U
Silver	0.48	U
Thallium	0.19	U
Tin	4.8	U
Vanadium	0.97	U
Zinc	5	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1	U
4,4'-DDE	90.1	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U

PARAMETER	RESULT	QUAL
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	182	
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	420	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	210	U
1,2,4-trichlorobenzene	300	U
1,2-dichlorobenzene	210	U
1,3,5-trinitrobenzene	2100	U
1,3-dichlorobenzene	210	U
1,3-dinitrobenzene	600	U
1,4-dichlorobenzene	210	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	420	U
1-naphthylamine	420	U
2,3,4,6-tetrachlorophenol	420	U
2,4,5-trichlorophenol	900	U
2,4,6-trichlorophenol	900	U
2,4-dichlorophenol	420	U
2,4-dimethylphenol	420	U
2,4-dinitrophenol	3900	U
2,4-dinitrotoluene	420	U
2,6-dichlorophenol	210	U
2,6-dinitrotoluene	420	U
2-acetylaminofluorene	420	U
2-chloronaphthalene	210	U
2-chlorophenol	420	U
2-methyl-4,6-dinitrophenol	3000	U
2-methylnaphthalene	300	U
2-methylphenol	420	U
2-naphthylamine	420	U
2-nitroaniline	900	U
2-nitrophenol	420	U

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PARAMETER	RESULT	QUAL
2-picoline	420	U
3,3'-dichlorobenzidine	1500	U
3,3'-dimethylbenzidine	420	U
3-methylcholanthrene	420	U
3-methylphenol	420	U
3-nitroaniline	900	U
4-aminobiphenyl	210	U
4-bromophenyl phenyl ether	420	U
4-chloro-3-methylphenol	420	U
4-chloroaniline	900	U
4-chlorophenyl phenyl ether	300	U
4-methylphenol	420	U
4-nitroaniline	900	U
4-nitrophenol	1500	U
4-nitroquinoline-1-oxide	900	U
5-nitro-o-toluidine	420	U
7,12-dimethylbenz(a)anthracene	420	U
a,a-dimethylphenethylamine	1500	U
Acenaphthene	210	U
Acenaphthylene	210	U
Acetophenone	210	U
Aniline	420	U
Anthracene	210	U
Aramite	1100	U
Benzo(a)anthracene	300	U
Benzo(a)pyrene	420	U
Benzo(b)fluoranthene	300	U
Benzo(g,h,i)perylene	480	U
Benzo(k)fluoranthene	300	U
Benzyl alcohol	420	U
Bis(2-chloroethoxy)methane	210	U
Bis(2-chloroethyl)ether	210	U
Bis(2-ethylhexyl)phthalate	330	U
Butyl benzyl phthalate	300	U
Chrysene	300	U
Di-n-butyl phthalate	210	U
Di-n-octyl phthalate	420	U
Diallate	210	U
Dibenzo(a,h)anthracene	480	U
Dibenzofuran	210	U
Diethyl phthalate	210	U
Dimethyl phthalate	300	U
Diphenylamine	210	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	210	U
Fluoranthene	210	U
Fluorene	210	U
Hexachlorobenzene	300	U
Hexachlorobutadiene	420	U
Hexachl[illegible]pentadiene	3000	U

PARAMETER	RESULT	QUAL
Hexachloroethane	300	U
Hexachlorophene	48000	UR
Hexachloropropene	420	U
Indeno(1,2,3-cd)pyrene	480	U
Isophorone	420	U
Isosafrole	210	U
Methapyrilene	1500	U
Methyl methanesulfonate	210	U
N-nitroso-di-n-butylamine	210	U
N-nitroso-di-n-propylamine	300	U
N-nitrosodiethylamine	210	U
N-nitrosodimethylamine	300	U
N-nitrosodiphenylamine	210	U
N-nitrosomethylethylamine	210	U
N-nitrosomorpholine	210	U
N-nitrosopiperidine	210	U
N-nitrosopyrrolidine	210	U
Naphthalene	210	U
Nitrobenzene	210	U
o-toluidine	210	U
p-dimethylaminoazobenzene	420	U
p-phenylenediamine	6000	UR
Pentachlorobenzene	210	U
Pentachloroethane	500	U
Pentachloronitrobenzene	1100	U
Pentachlorophenol	1500	UR
Phenacetin	210	U
Phenanthrene	210	U
Phenol	420	U
Pronamide	210	U
Pyrene	210	U
Pyridine	420	U
Safrole	210	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U

PARAMETER	RESULT	QUAL
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	210	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-07 (96) FISH		**LADYFISH**
Inorganics (mg/kg)		
Antimony	5	U
Arsenic	0.53	
Barium	0.5	U
Beryllium	0.4	U
Cadmium	0.5	U
Chromium	0.99	U
Cobalt	0.99	U
Copper	0.5	U
Lead	0.15	U
Mercury	0.05	
Nickel	1.5	U

PARAMETER	RESULT	QUAL
Selenium	0.25	U
Silver	0.5	U
Thallium	0.2	U
Tin	5	U
Vanadium	0.99	U
Zinc	8.9	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1	U
4,4'-DDE	19.4	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	61	
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	420	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	210	U
1,2,4-trichlorobenzene	300	U
1,2-dichlorobenzene	210	U
1,3,5-trinitrobenzene	2100	U
1,3-dichlorobenzene	210	U
1,3-dinitrobenzene	600	U
1,4-dichlorobenzene	210	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	420	U
1-naphthylamine	420	U
2,3,4,6-tetrachlorophenol	[illegible]20	U

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PARAMETER	RESULT	QUAL
2,4,5-trichlorophenol	900	U
2,4,6-trichlorophenol	900	U
2,4-dichlorophenol	420	U
2,4-dimethylphenol	420	U
2,4-dinitrophenol	3900	U
2,4-dinitrotoluene	420	U
2,6-dichlorophenol	210	U
2,6-dinitrotoluene	420	U
2-acetylaminofluorene	420	U
2-chloronaphthalene	210	U
2-chlorophenol	420	U
2-methyl-4,6-dinitrophenol	3000	U
2-methylnaphthalene	300	U
2-methylphenol	420	U
2-naphthylamine	420	U
2-nitroaniline	900	U
2-nitrophenol	420	U
2-picoline	420	U
3,3'-dichlorobenzidine	1500	U
3,3'-dimethylbenzidine	420	U
3-methylcholanthrene	420	U
3-methylphenol	420	U
3-nitroaniline	900	U
4-aminobiphenyl	210	U
4-bromophenyl phenyl ether	420	U
4-chloro-3-methylphenol	420	U
4-chloroaniline	900	U
4-chlorophenyl phenyl ether	300	U
4-methylphenol	420	U
4-nitroaniline	900	U
4-nitrophenol	1500	U
4-nitroquinoline-1-oxide	900	U
5-nitro-o-toluidine	420	U
7,12-dimethylbenz(a)anthracene	420	U
a,a-dimethylphenethylamine	1500	U
Acenaphthene	210	U
Acenaphthylene	210	U
Acetophenone	210	U
Aniline	420	U
Anthracene	210	U
Aramite	1100	U
Benzo(a)anthracene	300	U
Benzo(a)pyrene	420	U
Benzo(b)fluoranthene	300	U
Benzo(g,h,i)perylene	480	U
Benzo(k)fluoranthene	300	U
Benzyl alcohol	420	U
Bis(2-chloroethoxy)methane	210	U
Bis(2-chloroethyl)ether	210	U
Bis(2-ethylhexyl)phthalate	380	U

PARAMETER	RESULT	QUAL
Butyl benzyl phthalate	300	U
Chrysene	300	U
Di-n-butyl phthalate	210	U
Di-n-octyl phthalate	420	U
Diallate	210	U
Dibenzo(a,h)anthracene	480	U
Dibenzofuran	210	U
Diethyl phthalate	210	U
Dimethyl phthalate	300	U
Diphenylamine	210	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	210	U
Fluoranthene	210	U
Fluorene	210	U
Hexachlorobenzene	300	U
Hexachlorobutadiene	420	U
Hexachlorocyclopentadiene	3000	U
Hexachloroethane	300	U
Hexachlorophene	48000	UR
Hexachloropropene	420	U
Indeno(1,2,3-cd)pyrene	480	U
Isophorone	420	U
Isosafrole	210	U
Methapyrilene	1500	U
Methyl methanesulfonate	210	U
N-nitroso-di-n-butylamine	210	U
N-nitroso-di-n-propylamine	300	U
N-nitrosodiethylamine	210	U
N-nitrosodimethylamine	300	U
N-nitrosodiphenylamine	210	U
N-nitrosomethylethylamine	210	U
N-nitrosomorpholine	210	U
N-nitrosopiperidine	210	U
N-nitrosopyrrolidine	210	U
Naphthalene	210	U
Nitrobenzene	210	U
o-toluidine	210	U
p-dimethylaminoazobenzene	420	U
p-phenylenediamine	6000	UR
Pentachlorobenzene	210	U
Pentachloroethane	500	U
Pentachloronitrobenzene	1100	U
Pentachlorophenol	1500	UR
Phenacetin	210	U
Phenanthrene	210	U
Phenol	420	U
Pronamide	210	U
Pyrene	210	U
Pyridine	420	U
Safrole	210	U

PARAMETER	RESULT	QUAL
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	210	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U

PARAMETER	RESULT	QUAL
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-11 (96) FISH		**SAILFIN MOLLY**
Inorganics (mg/kg)		
Antimony	4.8	U
Arsenic	0.19	U
Barium	2.7	
Beryllium	0.38	U
Cadmium	0.48	U
Chromium	0.96	U
Cobalt	0.96	U
Copper	2.5	
Lead	0.18	
Mercury	0.04	U
Nickel	1.4	U
Selenium	0.29	
Silver	0.48	U
Thallium	0.19	U
Tin	4.8	U
Vanadium	0.96	U
Zinc	32.2	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.8	
4,4'-DDE	27.8	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	50	
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	2100	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U

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PARAMETER	RESULT	QUAL
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	1100	U
1,2,4-trichlorobenzene	1500	U
1,2-dichlorobenzene	1100	U
1,3,5-trinitrobenzene	11000	U
1,3-dichlorobenzene	1100	U
1,3-dinitrobenzene	3000	U
1,4-dichlorobenzene	1100	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	2100	U
1-naphthylamine	2100	U
2,3,4,6-tetrachlorophenol	2100	U
2,4,5-trichlorophenol	4500	U
2,4,6-trichlorophenol	4500	U
2,4-dichlorophenol	2100	U
2,4-dimethylphenol	2100	U
2,4-dinitrophenol	20000	U
2,4-dinitrotoluene	2100	U
2,6-dichlorophenol	1100	U
2,6-dinitrotoluene	2100	U
2-acetylaminofluorene	2100	U
2-chloronaphthalene	1100	U
2-chlorophenol	2100	U
2-methyl-4,6-dinitrophenol	15000	U
2-methylnaphthalene	1500	U
2-methylphenol	2100	U
2-naphthylamine	2100	U
2-nitroaniline	4500	U
2-nitrophenol	2100	U
2-picoline	2100	U
3,3'-dichlorobenzidine	7500	U
3,3'-dimethylbenzidine	2100	U
3-methylcholanthrene	2100	U
3-methylphenol	2100	U
3-nitroaniline	4500	U
4-aminobiphenyl	1100	U
4-bromophenyl phenyl ether	2100	U
4-chloro-3-methylphenol	2100	U
4-chloroaniline	4500	U
4-chlorophenyl phenyl ether	1500	U
4-methylphenol	2100	U
4-nitroaniline	4500	U
4-nitrophenol	7500	U
4-nitroquinoline-1-oxide	4500	U
5-nitro- [illegible] ine	2100	U

PARAMETER	RESULT	QUAL
7,12-dimethylbenz(a)anthracene	2100	U
a,a-dimethylphenethylamine	7500	U
Acenaphthene	1100	U
Acenaphthylene	1100	U
Acetophenone	1100	U
Aniline	2100	U
Anthracene	1100	U
Aramite	5400	U
Benzo(a)anthracene	1500	U
Benzo(a)pyrene	2100	U
Benzo(b)fluoranthene	1500	U
Benzo(g,h,i)perylene	2400	U
Benzo(k)fluoranthene	1500	U
Benzyl alcohol	2100	U
Bis(2-chloroethoxy)methane	1100	U
Bis(2-chloroethyl)ether	1100	U
Bis(2-ethylhexyl)phthalate	1500	U
Butyl benzyl phthalate	1500	U
Chrysene	1500	U
Di-n-butyl phthalate	1100	U
Di-n-octyl phthalate	2100	U
Diallate	1100	U
Dibenzo(a,h)anthracene	2400	U
Dibenzofuran	1100	U
Diethyl phthalate	1100	U
Dimethyl phthalate	1500	U
Diphenylamine	1100	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	1100	U
Fluoranthene	1100	U
Fluorene	1100	U
Hexachlorobenzene	1500	U
Hexachlorobutadiene	2100	U
Hexachlorocyclopentadiene	15000	U
Hexachloroethane	1500	U
Hexachlorophene	240000	UR
Hexachloropropene	2100	U
Indeno(1,2,3-cd)pyrene	2400	U
Isophorone	2100	U
Isosafrole	1100	U
Methapyrilene	7500	U
Methyl methanesulfonate	1100	U
N-nitroso-di-n-butylamine	1100	U
N-nitroso-di-n-propylamine	1500	U
N-nitrosodiethylamine	1100	U
N-nitrosodimethylamine	1500	U
N-nitrosodiphenylamine	1100	U
N-nitrosomethylethylamine	1100	U
N-nitrosomorpholine	1100	U
N-nitrosopiperidine	1100	U

PARAMETER	RESULT	QUAL
N-nitrosopyrrolidine	1100	U
Naphthalene	1100	U
Nitrobenzene	1100	U
o-toluidine	1100	U
p-dimethylaminoazobenzene	2100	U
p-phenylenediamine	30000	U
Pentachlorobenzene	1100	U
Pentachloroethane	500	U
Pentachloronitrobenzene	5300	U
Pentachlorophenol	7500	UR
Phenacetin	1100	U
Phenanthrene	1100	U
Phenol	2100	U
Pronamide	1100	U
Pyrene	1100	U
Pyridine	2100	U
Safrole	1100	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	1100	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U

PARAMETER	RESULT	QUAL
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-13 (96) FISH	**SAILFIN MOLLY**	
Inorganics (mg/kg)		
Antimony	4.9	U
Arsenic	0.2	U
Barium	3.3	
Beryllium	0.39	U
Cadmium	0.49	U
Chromium	0.99	U
Cobalt	0.99	U
Copper	3.3	
Lead	0.25	
Mercury	0.04	U
Nickel	12.4	
Selenium	0.36	
Silver	0.49	U
Thallium	0.2	U
Tin	4.9	U
Vanadium	0.99	U
Zinc	41	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	2.2	
4,4'-DDE	26.5	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U

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PARAMETER	RESULT	QUAL
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	47	
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	2100	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	1100	U
1,2,4-trichlorobenzene	1500	U
1,2-dichlorobenzene	1100	U
1,3,5-trinitrobenzene	11000	U
1,3-dichlorobenzene	1100	U
1,3-dinitrobenzene	3000	U
1,4-dichlorobenzene	1100	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	2100	U
1-naphthylamine	2100	U
2,3,4,6-tetrachlorophenol	2100	U
2,4,5-trichlorophenol	4500	U
2,4,6-trichlorophenol	4500	U
2,4-dichlorophenol	2100	U
2,4-dimethylphenol	2100	U
2,4-dinitrophenol	20000	U
2,4-dinitrotoluene	2100	U
2,6-dichlorophenol	1100	U
2,6-dinitrotoluene	2100	U
2-acetylaminofluorene	2100	U
2-chloronaphthalene	1100	U
2-chlorophenol	2100	U
2-methyl-4,6-dinitrophenol	15000	U
2-methylnaphthalene	1500	U
2-methylphenol	2100	U
2-naphthylamine	2100	U
2-nitroaniline	4500	U

PARAMETER	RESULT	QUAL
2-nitrophenol	2100	U
2-picoline	2100	U
3,3'-dichlorobenzidine	7500	U
3,3'-dimethylbenzidine	2100	U
3-methylcholanthrene	2100	U
3-methylphenol	2100	U
3-nitroaniline	4500	U
4-aminobiphenyl	1100	U
4-bromophenyl phenyl ether	2100	U
4-chloro-3-methylphenol	2100	U
4-chloroaniline	4500	U
4-chlorophenyl phenyl ether	1500	U
4-methylphenol	2100	U
4-nitroaniline	4500	U
4-nitrophenol	7500	U
4-nitroquinoline-1-oxide	4500	U
5-nitro-o-toluidine	2100	U
7,12-dimethylbenz(a)anthracene	2100	U
a,a-dimethylphenethylamine	7500	U
Acenaphthene	1100	U
Acenaphthylene	1100	U
Acetophenone	1100	U
Aniline	2100	U
Anthracene	1100	U
Aramite	5400	U
Benzo(a)anthracene	1500	U
Benzo(a)pyrene	2100	U
Benzo(b)fluoranthene	1500	U
Benzo(g,h,i)perylene	2400	U
Benzo(k)fluoranthene	1500	U
Benzyl alcohol	2100	U
Bis(2-chloroethoxy)methane	1100	U
Bis(2-chloroethyl)ether	1100	U
Bis(2-ethylhexyl)phthalate	1500	U
Butyl benzyl phthalate	1500	U
Chrysene	1500	U
Di-n-butyl phthalate	1100	U
Di-n-octyl phthalate	2100	U
Diallate	1100	U
Dibenzo(a,h)anthracene	2400	U
Dibenzofuran	1100	U
Diethyl phthalate	1100	U
Dimethyl phthalate	1500	U
Diphenylamine	1100	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	1100	U
Fluoranthene	1100	U
Fluorene	1100	U
Hexachlorobenzene	1500	U
Hexachlorobutadiene	2100	U

PARAMETER	RESULT	QUAL
Hexachlorocyclopentadiene	15000	U
Hexachloroethane	1500	U
Hexachlorophene	240000	UR
Hexachloropropene	2100	U
Indeno(1,2,3-cd)pyrene	2400	U
Isophorone	2100	U
Isosafrole	1100	U
Methapyrilene	7500	U
Methyl methanesulfonate	1100	U
N-nitroso-di-n-butylamine	1100	U
N-nitroso-di-n-propylamine	1500	U
N-nitrosodiethylamine	1100	U
N-nitrosodimethylamine	1500	U
N-nitrosodiphenylamine	1100	U
N-nitrosomethylethylamine	1100	U
N-nitrosomorpholine	1100	U
N-nitrosopiperidine	1100	U
N-nitrosopyrrolidine	1100	U
Naphthalene	1100	U
Nitrobenzene	1100	U
o-toluidine	1100	U
p-dimethylaminoazobenzene	2100	U
p-phenylenediamine	30000	U
Pentachlorobenzene	1100	U
Pentachloroethane	500	U
Pentachloronitrobenzene	5300	U
Pentachlorophenol	7500	UR
Phenacetin	1100	U
Phenanthrene	1100	U
Phenol	2100	U
Pronamide	1100	U
Pyrene	1100	U
Pyridine	2100	U
Safrole	1100	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U

PARAMETER	RESULT	QUAL
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	1100	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-14 (96) FISH		**SAILFIN MOLLY**
Inorganics (mg/kg)		
Antimony	5	U
Arsenic	0.2	U
Barium	3.9	
Beryllium	0.4	U
Cadmium	0.5	U
Chromium	0.99	U
Cobalt	0.99	U
Copper	3.7	
Lead	0.24	
Mercury	0.04	U

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PARAMETER	RESULT	QUAL
Nickel	1.5	U
Selenium	0.42	
Silver	0.5	U
Thallium	0.2	U
Tin	5	U
Vanadium	0.99	U
Zinc	35.7	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	2.3	
4,4'-DDE	30.1	
4,4'-DDT	1.2	U
Aldrin	1.2	U
alpha-BHC	1.2	U
alpha-chlordane	1.2	U
Aroclor-1016	24	U
Aroclor-1221	24	U
Aroclor-1232	24	U
Aroclor-1242	24	U
Aroclor-1248	24	U
Aroclor-1254	24	U
Aroclor-1260	54	
beta-BHC	1.2	U
Chlordane	5.9	U
Chlorobenzilate	2500	U
delta-BHC	1.2	U
Dieldrin	1.2	U
Endosulfan I	1.2	U
Endosulfan II	1.2	U
Endosulfan sulfate	1.2	U
Endrin	1.2	U
Endrin aldehyde	1.2	U
gamma-BHC (lindane)	1.2	U
gamma-chlordane	1.2	U
Heptachlor	1.2	U
Heptachlor epoxide	1.2	U
Isodrin	1.2	U
Kepone	235	UJ
Methoxychlor	1.2	U
Toxaphene	118	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	1200	U
1,2,4-trichlorobenzene	1800	U
1,2-dichlorobenzene	1200	U
1,3,5-trinitrobenzene	12000	U
1,3-dichlorobenzene	1200	U
1,3-dinitrobenzene	3500	U
1,4-dichlorobenzene	1200	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	2500	U
1-naph[illegible]ne	2500	U

PARAMETER	RESULT	QUAL
2,3,4,6-tetrachlorophenol	2500	U
2,4,5-trichlorophenol	5300	U
2,4,6-trichlorophenol	5300	U
2,4-dichlorophenol	2500	U
2,4-dimethylphenol	2500	U
2,4-dinitrophenol	23000	U
2,4-dinitrotoluene	2500	U
2,6-dichlorophenol	1200	U
2,6-dinitrotoluene	2500	U
2-acetylaminofluorene	2500	U
2-chloronaphthalene	1200	U
2-chlorophenol	2500	U
2-methyl-4,6-dinitrophenol	18000	U
2-methylnaphthalene	1800	U
2-methylphenol	2500	U
2-naphthylamine	2500	U
2-nitroaniline	5300	U
2-nitrophenol	2500	U
2-picoline	2500	U
3,3'-dichlorobenzidine	8800	U
3,3'-dimethylbenzidine	2500	U
3-methylcholanthrene	2500	U
3-methylphenol	2500	U
3-nitroaniline	5300	U
4-aminobiphenyl	1200	U
4-bromophenyl phenyl ether	2500	U
4-chloro-3-methylphenol	2500	U
4-chloroaniline	5300	U
4-chlorophenyl phenyl ether	1800	U
4-methylphenol	2500	U
4-nitroaniline	5300	U
4-nitrophenol	8800	U
4-nitroquinoline-1-oxide	5300	U
5-nitro-o-toluidine	2500	U
7,12-dimethylbenz(a)anthracene	2500	U
a,a-dimethylphenethylamine	8800	U
Acenaphthene	1200	U
Acenaphthylene	1200	U
Acetophenone	1200	U
Aniline	2500	U
Anthracene	1200	U
Aramite	6400	U
Benzo(a)anthracene	1800	U
Benzo(a)pyrene	2500	U
Benzo(b)fluoranthene	1800	U
Benzo(g,h,i)perylene	2800	U
Benzo(k)fluoranthene	1800	U
Benzyl alcohol	2500	U
Bis(2-chloroethoxy)methane	1200	U
Bis(2-chloroethyl)ether	1200	U

PARAMETER	RESULT	QUAL
Bis(2-ethylhexyl)phthalate	1800	U
Butyl benzyl phthalate	1800	U
Chrysene	1800	U
Di-n-butyl phthalate	1200	U
Di-n-octyl phthalate	2500	U
Diallate	1200	U
Dibenzo(a,h)anthracene	2800	U
Dibenzofuran	1200	U
Diethyl phthalate	1200	U
Dimethyl phthalate	1800	U
Diphenylamine	1200	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	1200	U
Fluoranthene	1200	U
Fluorene	1200	U
Hexachlorobenzene	1800	U
Hexachlorobutadiene	2500	U
Hexachlorocyclopentadiene	18000	U
Hexachloroethane	1800	U
Hexachlorophene	280000	UR
Hexachloropropene	2500	U
Indeno(1,2,3-cd)pyrene	2800	U
Isophorone	2500	U
Isosafrole	1200	U
Methapyrilene	8800	U
Methyl methanesulfonate	1200	U
N-nitroso-di-n-butylamine	1200	U
N-nitroso-di-n-propylamine	1800	U
N-nitrosodiethylamine	1200	U
N-nitrosodimethylamine	1800	U
N-nitrosodiphenylamine	1200	U
N-nitrosomethylethylamine	1200	U
N-nitrosomorpholine	1200	U
N-nitrosopiperidine	1200	U
N-nitrosopyrrolidine	1200	U
Naphthalene	1200	U
Nitrobenzene	1200	U
o-toluidine	1200	U
p-dimethylaminoazobenzene	2500	U
p-phenylenediamine	35000	U
Pentachlorobenzene	1200	U
Pentachloroethane	500	U
Pentachloronitrobenzene	6200	U
Pentachlorophenol	8800	UR
Phenacetin	1200	U
Phenanthrene	1200	U
Phenol	2500	U
Pronamide	1200	U
Pyrene	1200	U
Pyridine	4600	D

PARAMETER	RESULT	QUAL
Safrole	1200	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	1200	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U

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PARAMETER	RESULT	QUAL
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-15 (96) FISH		**SAILFIN MOLLY**
Inorganics (mg/kg)		
Antimony	5	U
Arsenic	0.2	U
Barium	3	
Beryllium	0.4	U
Cadmium	0.5	U
Chromium	1	U
Cobalt	1	U
Copper	5	
Lead	0.2	
Mercury	0.04	U
Nickel	1.5	U
Selenium	0.31	
Silver	0.5	U
Thallium	0.2	U
Tin	5	U
Vanadium	1	U
Zinc	30.7	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	2.7	
4,4'-DDE	26.5	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	21	U
Aroclor-1221	21	U
Aroclor-1232	21	U
Aroclor-1242	21	U
Aroclor-1248	21	U
Aroclor-1254	21	U
Aroclor-1260	48	
beta-BHC	5.6	
Chlordane	5.2	U
Chlorobenzilate	2200	U
delta-BHC	1	U
Dieldrin	4.9	
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U

PARAMETER	RESULT	QUAL
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	206	UJ
Methoxychlor	1	U
Toxaphene	103	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	1100	U
1,2,4-trichlorobenzene	1500	U
1,2-dichlorobenzene	1100	U
1,3,5-trinitrobenzene	11000	U
1,3-dichlorobenzene	1100	U
1,3-dinitrobenzene	3100	U
1,4-dichlorobenzene	1100	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	2200	U
1-naphthylamine	2200	U
2,3,4,6-tetrachlorophenol	2200	U
2,4,5-trichlorophenol	4600	U
2,4,6-trichlorophenol	4600	U
2,4-dichlorophenol	2200	U
2,4-dimethylphenol	2200	U
2,4-dinitrophenol	20000	U
2,4-dinitrotoluene	2200	U
2,6-dichlorophenol	1100	U
2,6-dinitrotoluene	2200	U
2-acetylaminofluorene	2200	U
2-chloronaphthalene	1100	U
2-chlorophenol	2200	U
2-methyl-4,6-dinitrophenol	15000	U
2-methylnaphthalene	1500	U
2-methylphenol	2200	U
2-naphthylamine	2200	U
2-nitroaniline	4600	U
2-nitrophenol	2200	U
2-picoline	2200	U
3,3'-dichlorobenzidine	7700	U
3,3'-dimethylbenzidine	2200	U
3-methylcholanthrene	2200	U
3-methylphenol	2200	U
3-nitroaniline	4600	U
4-aminobiphenyl	1100	U
4-bromophenyl phenyl ether	2200	U
4-chloro-3-methylphenol	2200	U
4-chloroaniline	4600	U
4-chlorophenyl phenyl ether	1500	U
4-methylphenol	2200	U
4-nitroaniline	4600	U
4-nitrophenol	7700	U
4-nitroquinoline-1-oxide	4600	U

PARAMETER	RESULT	QUAL
5-nitro-o-toluidine	2200	U
7,12-dimethylbenz(a)anthracene	2200	U
a,a-dimethylphenethylamine	7700	U
Acenaphthene	1100	U
Acenaphthylene	1100	U
Acetophenone	1100	U
Aniline	2200	U
Anthracene	1100	U
Aramite	5600	U
Benzo(a)anthracene	1500	U
Benzo(a)pyrene	2200	U
Benzo(b)fluoranthene	1500	U
Benzo(g,h,i)perylene	2500	U
Benzo(k)fluoranthene	1500	U
Benzyl alcohol	2200	U
Bis(2-chloroethoxy)methane	1100	U
Bis(2-chloroethyl)ether	1100	U
Bis(2-ethylhexyl)phthalate	1500	U
Butyl benzyl phthalate	1500	U
Chrysene	1500	U
Di-n-butyl phthalate	1100	U
Di-n-octyl phthalate	2200	U
Diallate	1100	U
Dibenzo(a,h)anthracene	2500	U
Dibenzofuran	1100	U
Diethyl phthalate	1100	U
Dimethyl phthalate	1500	U
Diphenylamine	1100	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	1100	U
Fluoranthene	1100	U
Fluorene	1100	U
Hexachlorobenzene	1500	U
Hexachlorobutadiene	2200	U
Hexachlorocyclopentadiene	15000	U
Hexachloroethane	1500	U
Hexachlorophene	250000	UR
Hexachloropropene	2200	U
Indeno(1,2,3-cd)pyrene	2500	U
Isophorone	2200	U
Isosafrole	1100	U
Methapyrilene	7700	U
Methyl methanesulfonate	1100	U
N-nitroso-di-n-butylamine	1100	U
N-nitroso-di-n-propylamine	1500	U
N-nitrosodiethylamine	1100	U
N-nitrosodimethylamine	1500	U
N-nitrosodiphenylamine	1100	U
N-nitrosomethylethylamine	1100	U
N-nitrosomorpholine	1100	U

PARAMETER	RESULT	QUAL
N-nitrosopiperidine	1100	U
N-nitrosopyrrolidine	1100	U
Naphthalene	1100	U
Nitrobenzene	1100	U
o-toluidine	1100	U
p-dimethylaminoazobenzene	2200	U
p-phenylenediamine	31000	U
Pentachlorobenzene	1100	U
Pentachloroethane	500	U
Pentachloronitrobenzene	5400	U
Pentachlorophenol	7700	UR
Phenacetin	1100	U
Phenanthrene	1100	U
Phenol	2200	U
Pronamide	1100	U
Pyrene	1100	U
Pyridine	3000	D
Safrole	1100	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	1100	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U

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PARAMETER	RESULT	QUAL
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-19 (96) FISH	SAILFIN MOLLY	
Inorganics (mg/kg)		
Antimony	4.7	U
Arsenic	0.19	U
Barium	2.3	
Beryllium	0.38	U
Cadmium	0.47	U
Chromium	0.94	U
Cobalt	0.94	U
Copper	2.1	
Lead	0.14	
Mercury	0.04	U
Nickel	1.4	U
Selenium	0.24	
Silver	0.47	U
Thallium	0.19	U
Tin	4.7	U
Vanadium	0.94	U
Zinc	29.8	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	2.1	
4,4'-DDE	21.5	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor	20	U

PARAMETER	RESULT	QUAL
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	35	
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	2100	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	1100	U
1,2,4-trichlorobenzene	1500	U
1,2-dichlorobenzene	1100	U
1,3,5-trinitrobenzene	11000	U
1,3-dichlorobenzene	1100	U
1,3-dinitrobenzene	3000	U
1,4-dichlorobenzene	1100	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	2100	U
1-naphthylamine	2100	U
2,3,4,6-tetrachlorophenol	2100	U
2,4,5-trichlorophenol	4500	U
2,4,6-trichlorophenol	4500	U
2,4-dichlorophenol	2100	U
2,4-dimethylphenol	2100	U
2,4-dinitrophenol	20000	U
2,4-dinitrotoluene	2100	U
2,6-dichlorophenol	1100	U
2,6-dinitrotoluene	2100	U
2-acetylaminofluorene	2100	U
2-chloronaphthalene	1100	U
2-chlorophenol	2100	U
2-methyl-4,6-dinitrophenol	15000	U
2-methylnaphthalene	1500	U
2-methylphenol	2100	U
2-naphthylamine	2100	U

PARAMETER	RESULT	QUAL
2-nitroaniline	4500	U
2-nitrophenol	2100	U
2-picoline	2100	U
3,3'-dichlorobenzidine	7500	U
3,3'-dimethylbenzidine	2100	U
3-methylcholanthrene	2100	U
3-methylphenol	2100	U
3-nitroaniline	4500	U
4-aminobiphenyl	1100	U
4-bromophenyl phenyl ether	2100	U
4-chloro-3-methylphenol	2100	U
4-chloroaniline	4500	U
4-chlorophenyl phenyl ether	1500	U
4-methylphenol	2100	U
4-nitroaniline	4500	U
4-nitrophenol	7500	U
4-nitroquinoline-1-oxide	4500	U
5-nitro-o-toluidine	2100	U
7,12-dimethylbenz(a)anthracene	2100	U
a,a-dimethylphenethylamine	7500	U
Acenaphthene	1100	U
Acenaphthylene	1100	U
Acetophenone	1100	U
Aniline	2100	U
Anthracene	1100	U
Aramite	5400	U
Benzo(a)anthracene	1500	U
Benzo(a)pyrene	2100	U
Benzo(b)fluoranthene	1500	U
Benzo(g,h,i)perylene	2400	U
Benzo(k)fluoranthene	1500	U
Benzyl alcohol	2100	U
Bis(2-chloroethoxy)methane	1100	U
Bis(2-chloroethyl)ether	1100	U
Bis(2-ethylhexyl)phthalate	1500	U
Butyl benzyl phthalate	1500	U
Chrysene	1500	U
Di-n-butyl phthalate	1100	U
Di-n-octyl phthalate	2100	U
Diallate	1100	U
Dibenzo(a,h)anthracene	2400	U
Dibenzofuran	1100	U
Diethyl phthalate	1100	U
Dimethyl phthalate	1500	U
Diphenylamine	1100	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	1100	U
Fluoranthene	1100	U
Fluorene	1100	U
Hexachlorobenzene	1500	U

PARAMETER	RESULT	QUAL
Hexachlorobutadiene	2100	U
Hexachlorocyclopentadiene	15000	U
Hexachloroethane	1500	U
Hexachlorophene	240000	UR
Hexachloropropene	2100	U
Indeno(1,2,3-cd)pyrene	2400	U
Isophorone	2100	U
Isosafrole	1100	U
Methapyrilene	7500	U
Methyl methanesulfonate	1100	U
N-nitroso-di-n-butylamine	1100	U
N-nitroso-di-n-propylamine	1500	U
N-nitrosodiethylamine	1100	U
N-nitrosodimethylamine	1500	U
N-nitrosodiphenylamine	1100	U
N-nitrosomethylethylamine	1100	U
N-nitrosomorpholine	1100	U
N-nitrosopiperidine	1100	U
N-nitrosopyrrolidine	1100	U
Naphthalene	1100	U
Nitrobenzene	1100	U
o-toluidine	1100	U
p-dimethylaminoazobenzene	2100	U
p-phenylenediamine	30000	U
Pentachlorobenzene	1100	U
Pentachloroethane	500	U
Pentachloronitrobenzene	5300	U
Pentachlorophenol	7500	UR
Phenacetin	1100	U
Phenanthrene	1100	U
Phenol	2100	U
Pronamide	1100	U
Pyrene	1100	U
Pyridine	2100	U
Safrole	1100	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	000	U

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PARAMETER	RESULT	QUAL
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	1100	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-21 (96) FISH		**SAILFIN MOLLY**
Inorganics (mg/kg)		
Antimony	4.7	U
Arsenic	0.19	U
Barium	1.9	
Beryllium	0.37	U
Cadmium	0.47	U
Chromium	0.93	U
Cobalt	0.93	U
Copper	3.5	
Lead	0.14	U

PARAMETER	RESULT	QUAL
Mercury	0.06	
Nickel	1.4	U
Selenium	0.24	
Silver	0.47	U
Thallium	0.19	U
Tin	4.7	U
Vanadium	0.93	U
Zinc	24.5	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	2.1	
4,4'-DDE	20.2	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	31	
beta-BHC	6	
Chlordane	5	U
Chlorobenzilate	2200	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	1100	U
1,2,4-trichlorobenzene	1600	U
1,2-dichlorobenzene	1100	U
1,3,5-trinitrobenzene	11000	U
1,3-dichlorobenzene	1100	U
1,3-dinitrobenzene	3100	U
1,4-dichlorobenzene	1100	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	2200	U

PARAMETER	RESULT	QUAL
1-naphthylamine	2200	U
2,3,4,6-tetrachlorophenol	2200	U
2,4,5-trichlorophenol	4700	U
2,4,6-trichlorophenol	4700	U
2,4-dichlorophenol	2200	U
2,4-dimethylphenol	2200	U
2,4-dinitrophenol	20000	U
2,4-dinitrotoluene	2200	U
2,6-dichlorophenol	1100	U
2,6-dinitrotoluene	2200	U
2-acetylaminofluorene	2200	U
2-chloronaphthalene	1100	U
2-chlorophenol	2200	U
2-methyl-4,6-dinitrophenol	16000	U
2-methylnaphthalene	1600	U
2-methylphenol	2200	U
2-naphthylamine	2200	U
2-nitroaniline	4700	U
2-nitrophenol	2200	U
2-picoline	2200	U
3,3'-dichlorobenzidine	7800	U
3,3'-dimethylbenzidine	2200	U
3-methylcholanthrene	2200	U
3-methylphenol	2200	U
3-nitroaniline	4700	U
4-aminobiphenyl	1100	U
4-bromophenyl phenyl ether	2200	U
4-chloro-3-methylphenol	2200	U
4-chloroaniline	4700	U
4-chlorophenyl phenyl ether	1600	U
4-methylphenol	2200	U
4-nitroaniline	4700	U
4-nitrophenol	7800	U
4-nitroquinoline-1-oxide	4700	U
5-nitro-o-toluidine	2200	U
7,12-dimethylbenz(a)anthracene	2200	U
a,a-dimethylphenethylamine	7800	U
Acenaphthene	1100	U
Acenaphthylene	1100	U
Acetophenone	1100	U
Aniline	2200	U
Anthracene	1100	U
Aramite	5600	U
Benzo(a)anthracene	1600	U
Benzo(a)pyrene	2200	U
Benzo(b)fluoranthene	1600	U
Benzo(g,h,i)perylene	2500	U
Benzo(k)fluoranthene	1600	U
Benzyl alcohol	2200	U
Bis(2-chloroethoxy)methane	1100	U

PARAMETER	RESULT	QUAL
Bis(2-chloroethyl)ether	1100	U
Bis(2-ethylhexyl)phthalate	1600	U
Butyl benzyl phthalate	1600	U
Chrysene	1600	U
Di-n-butyl phthalate	1100	U
Di-n-octyl phthalate	2200	U
Diallate	1100	U
Dibenzo(a,h)anthracene	2500	U
Dibenzofuran	1100	U
Diethyl phthalate	1100	U
Dimethyl phthalate	1600	U
Diphenylamine	1100	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	1100	U
Fluoranthene	1100	U
Fluorene	1100	U
Hexachlorobenzene	1600	U
Hexachlorobutadiene	2200	U
Hexachlorocyclopentadiene	16000	U
Hexachloroethane	1600	U
Hexachlorophene	250000	UR
Hexachloropropene	2200	U
Indeno(1,2,3-cd)pyrene	2500	U
Isophorone	2200	U
Isosafrole	1100	U
Methapyrilene	7800	U
Methyl methanesulfonate	1100	U
N-nitroso-di-n-butylamine	1100	U
N-nitroso-di-n-propylamine	1600	U
N-nitrosodiethylamine	1100	U
N-nitrosodimethylamine	1600	U
N-nitrosodiphenylamine	1100	U
N-nitrosomethylethylamine	1100	U
N-nitrosomorpholine	1100	U
N-nitrosopiperidine	1100	U
N-nitrosopyrrolidine	1100	U
Naphthalene	1100	U
Nitrobenzene	1100	U
o-toluidine	1100	U
p-dimethylaminoazobenzene	2200	U
p-phenylenediamine	31000	U
Pentachlorobenzene	1100	U
Pentachloroethane	500	U
Pentachloronitrobenzene	5500	U
Pentachlorophenol	7800	UR
Phenacetin	1100	U
Phenanthrene	1100	U
Phenol	2200	U
Pronamide	1100	U
Pyrene	1100	U

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PARAMETER	RESULT	QUAL
Pyridine	2200	U
Safrole	1100	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	1100	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	5500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1 [illegible] oropropene	500	U

PARAMETER	RESULT	QUAL
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-22 (96) FISH	**SAILFIN MOLLY**	
Inorganics (mg/kg)		
Antimony	4.9	U
Arsenic	0.2	U
Barium	3.4	
Beryllium	0.39	U
Cadmium	0.49	U
Chromium	0.99	U
Cobalt	0.99	U
Copper	10.2	
Lead	0.23	
Mercury	0.02	U
Nickel	1.5	U
Selenium	0.42	
Silver	0.49	U
Thallium	0.2	U
Tin	4.9	U
Vanadium	0.99	U
Zinc	39.9	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.8	
4,4'-DDE	18.3	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	29	
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	840	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U

PARAMETER	RESULT	QUAL
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	420	U
1,2,4-trichlorobenzene	600	U
1,2-dichlorobenzene	420	U
1,3,5-trinitrobenzene	4200	U
1,3-dichlorobenzene	420	U
1,3-dinitrobenzene	1200	U
1,4-dichlorobenzene	420	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	840	U
1-naphthylamine	840	U
2,3,4,6-tetrachlorophenol	840	U
2,4,5-trichlorophenol	1800	U
2,4,6-trichlorophenol	1800	U
2,4-dichlorophenol	840	U
2,4-dimethylphenol	840	U
2,4-dinitrophenol	7800	U
2,4-dinitrotoluene	840	U
2,6-dichlorophenol	420	U
2,6-dinitrotoluene	840	U
2-acetylaminofluorene	840	U
2-chloronaphthalene	420	U
2-chlorophenol	840	U
2-methyl-4,6-dinitrophenol	6000	U
2-methylnaphthalene	600	U
2-methylphenol	840	U
2-naphthylamine	840	U
2-nitroaniline	1800	U
2-nitrophenol	840	U
2-picoline	840	U
3,3'-dichlorobenzidine	3000	U
3,3'-dimethylbenzidine	840	U
3-methylcholanthrene	840	U
3-methylphenol	840	U
3-nitroaniline	1800	U
4-aminobiphenyl	420	U
4-bromophenyl phenyl ether	840	U
4-chloro-3-methylphenol	840	U
4-chloroaniline	1800	U
4-chlorophenyl phenyl ether	600	U
4-methylphenol	840	U
4-nitroaniline	1800	U
4-nitrophenol	3000	U

PARAMETER	RESULT	QUAL
4-nitroquinoline-1-oxide	1800	U
5-nitro-o-toluidine	840	U
7,12-dimethylbenz(a)anthracene	840	U
a,a-dimethylphenethylamine	3000	U
Acenaphthene	420	U
Acenaphthylene	420	U
Acetophenone	420	U
Aniline	840	U
Anthracene	420	U
Aramite	2200	U
Benzo(a)anthracene	600	U
Benzo(a)pyrene	840	U
Benzo(b)fluoranthene	600	U
Benzo(g,h,i)perylene	960	U
Benzo(k)fluoranthene	600	U
Benzyl alcohol	840	U
Bis(2-chloroethoxy)methane	420	U
Bis(2-chloroethyl)ether	420	U
Bis(2-ethylhexyl)phthalate	1100	U
Butyl benzyl phthalate	600	U
Chrysene	600	U
Di-n-butyl phthalate	420	U
Di-n-octyl phthalate	840	U
Diallate	420	U
Dibenzo(a,h)anthracene	960	U
Dibenzofuran	420	U
Diethyl phthalate	420	U
Dimethyl phthalate	600	U
Diphenylamine	420	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	420	U
Fluoranthene	420	U
Fluorene	420	U
Hexachlorobenzene	600	U
Hexachlorobutadiene	840	U
Hexachlorocyclopentadiene	6000	U
Hexachloroethane	600	U
Hexachlorophene	96000	UR
Hexachloropropene	840	U
Indeno(1,2,3-cd)pyrene	960	U
Isophorone	840	U
Isosafrole	420	U
Methapyrilene	3000	U
Methyl methanesulfonate	420	U
N-nitroso-di-n-butylamine	420	U
N-nitroso-di-n-propylamine	600	U
N-nitrosodiethylamine	420	U
N-nitrosodimethylamine	600	U
N-nitrosodiphenylamine	420	U
N-nitrosomethylethylamine	120	U

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PARAMETER	RESULT	QUAL
N-nitrosomorpholine	420	U
N-nitrosopiperidine	420	U
N-nitrosopyrrolidine	420	U
Naphthalene	420	U
Nitrobenzene	420	U
o-toluidine	420	U
p-dimethylaminoazobenzene	840	U
p-phenylenediamine	12000	U
Pentachlorobenzene	420	U
Pentachloroethane	500	U
Pentachloronitrobenzene	2100	U
Pentachlorophenol	3000	UR
Phenacetin	420	U
Phenanthrene	420	U
Phenol	840	U
Pronamide	420	U
Pyrene	420	U
Pyridine	840	U
Safrole	420	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	420	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U

PARAMETER	RESULT	QUAL
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-23 (96) FISH		**SAILFIN MOLLY**
Inorganics (mg/kg)		
Antimony	5	U
Arsenic	0.2	UJ
Barium	2.7	
Beryllium	0.4	U
Cadmium	0.5	U
Chromium	0.99	U
Cobalt	0.99	U
Copper	3	
Lead	0.15	U
Mercury	0.02	UJ
Nickel	1.5	U
Selenium	0.28	
Silver	0.5	U
Thallium	0.2	U
Tin	5	U
Vanadium	0.99	U
Zinc	24.5	J
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1	U
4,4'-DDE	15.2	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U

PARAMETER	RESULT	QUAL
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	4200	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	2100	U
1,2,4-trichlorobenzene	3000	U
1,2-dichlorobenzene	2100	U
1,3,5-trinitrobenzene	21000	U
1,3-dichlorobenzene	2100	U
1,3-dinitrobenzene	6000	U
1,4-dichlorobenzene	2100	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	4200	U
1-naphthylamine	4200	U
2,3,4,6-tetrachlorophenol	4200	U
2,4,5-trichlorophenol	9000	U
2,4,6-trichlorophenol	9000	U
2,4-dichlorophenol	4200	U
2,4-dimethylphenol	4200	U
2,4-dinitrophenol	39000	U
2,4-dinitrotoluene	4200	U
2,6-dichlorophenol	2100	U
2,6-dinitrotoluene	4200	U
2-acetylaminofluorene	4200	U
2-chloronaphthalene	2100	U
2-chlorophenol	4200	U
2-methyl-4,6-dinitrophenol	30000	U
2-methylnaphthalene	3000	U
2-methylphenol	4200	U

PARAMETER	RESULT	QUAL
2-naphthylamine	4200	U
2-nitroaniline	9000	U
2-nitrophenol	4200	U
2-picoline	4200	U
3,3'-dichlorobenzidine	15000	UJ
3,3'-dimethylbenzidine	4200	U
3-methylcholanthrene	4200	U
3-methylphenol	4200	U
3-nitroaniline	9000	UJ
4-aminobiphenyl	2100	U
4-bromophenyl phenyl ether	4200	U
4-chloro-3-methylphenol	4200	U
4-chloroaniline	9000	U
4-chlorophenyl phenyl ether	3000	U
4-methylphenol	4200	U
4-nitroaniline	9000	U
4-nitrophenol	15000	U
4-nitroquinoline-1-oxide	9000	U
5-nitro-o-toluidine	4200	U
7,12-dimethylbenz(a)anthracene	4200	U
a,a-dimethylphenethylamine	15000	U
Acenaphthene	2100	U
Acenaphthylene	2100	U
Acetophenone	2100	U
Aniline	4200	U
Anthracene	2100	U
Aramite	11000	U
Benzo(a)anthracene	3000	U
Benzo(a)pyrene	4200	U
Benzo(b)fluoranthene	3000	U
Benzo(g,h,i)perylene	4800	U
Benzo(k)fluoranthene	3000	UJ
Benzyl alcohol	4200	U
Bis(2-chloroethoxy)methane	2100	U
Bis(2-chloroethyl)ether	2100	U
Bis(2-ethylhexyl)phthalate	3000	U
Butyl benzyl phthalate	3000	U
Chrysene	3000	U
Di-n-butyl phthalate	2100	U
Di-n-octyl phthalate	4200	U
Diallate	2100	U
Dibenzo(a,h)anthracene	4800	U
Dibenzofuran	2100	U
Diethyl phthalate	2100	U
Dimethyl phthalate	3000	U
Diphenylamine	2100	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	2100	U
Fluoranthene	2100	U
Fluorene	2100	U

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PARAMETER	RESULT	QUAL
Hexachlorobenzene	3000	U
Hexachlorobutadiene	4200	U
Hexachlorocyclopentadiene	30000	U
Hexachloroethane	3000	U
Hexachlorophene	480000	U
Hexachloropropene	4200	U
Indeno(1,2,3-cd)pyrene	4800	U
Isophorone	4200	U
Isosafrole	2100	U
Methapyrilene	15000	U
Methyl methanesulfonate	2100	U
N-nitroso-di-n-butylamine	2100	U
N-nitroso-di-n-propylamine	3000	U
N-nitrosodiethylamine	2100	U
N-nitrosodimethylamine	3000	U
N-nitrosodiphenylamine	2100	U
N-nitrosomethylethylamine	2100	U
N-nitrosomorpholine	2100	U
N-nitrosopiperidine	2100	U
N-nitrosopyrrolidine	2100	U
Naphthalene	2100	U
Nitrobenzene	2100	U
o-toluidine	2100	U
p-dimethylaminoazobenzene	4200	U
p-phenylenediamine	60000	U
Pentachlorobenzene	2100	U
Pentachloroethane	500	U
Pentachloronitrobenzene	11000	U
Pentachlorophenol	15000	U
Phenacetin	2100	U
Phenanthrene	2100	U
Phenol	4200	U
Pronamide	2100	U
Pyrene	2100	U
Pyridine	4200	U
Safrole	2100	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chlor[illegible]tadiene	1000	U

PARAMETER	RESULT	QUAL
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	2100	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-24 (96) FISH		**SAILFIN MOLLY**
Inorganics (mg/kg)		
Antimony	5	U
Arsenic	0.2	UJ
Barium	2.8	
Beryllium	0.4	U
Cadmium	0.5	U
Chromium	0.99	U
Cobalt	0.99	U
Copper	4.9	

PARAMETER	RESULT	QUAL
Lead	0.15	U
Mercury	0.02	UJ
Nickel	1.5	U
Selenium	0.41	
Silver	0.5	U
Thallium	0.2	U
Tin	5	U
Vanadium	0.99	U
Zinc	29.2	J
Pesticides/PCBs (µg/kg)		
4,4'-DDD	2.3	
4,4'-DDE	17.9	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	4200	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1.6	
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	2100	U
1,2,4-trichlorobenzene	3000	U
1,2-dichlorobenzene	2100	U
1,3,5-trinitrobenzene	21000	U
1,3-dichlorobenzene	2100	U
1,3-dinitrobenzene	6000	U
1,4-dichlorobenzene	2100	U
1,4-dioxane	10000	UR

PARAMETER	RESULT	QUAL
1,4-naphthoquinone	4200	U
1-naphthylamine	4200	U
2,3,4,6-tetrachlorophenol	4200	U
2,4,5-trichlorophenol	9000	U
2,4,6-trichlorophenol	9000	U
2,4-dichlorophenol	4200	U
2,4-dimethylphenol	4200	U
2,4-dinitrophenol	39000	U
2,4-dinitrotoluene	4200	U
2,6-dichlorophenol	2100	U
2,6-dinitrotoluene	4200	U
2-acetylaminofluorene	4200	U
2-chloronaphthalene	2100	U
2-chlorophenol	4200	U
2-methyl-4,6-dinitrophenol	30000	U
2-methylnaphthalene	3000	U
2-methylphenol	4200	U
2-naphthylamine	4200	U
2-nitroaniline	9000	U
2-nitrophenol	4200	U
2-picoline	4200	U
3,3'-dichlorobenzidine	15000	UJ
3,3'-dimethylbenzidine	4200	U
3-methylcholanthrene	4200	U
3-methylphenol	4200	U
3-nitroaniline	9000	UJ
4-aminobiphenyl	2100	U
4-bromophenyl phenyl ether	4200	U
4-chloro-3-methylphenol	4200	U
4-chloroaniline	9000	UJ
4-chlorophenyl phenyl ether	3000	U
4-methylphenol	4200	U
4-nitroaniline	9000	U
4-nitrophenol	15000	U
4-nitroquinoline-1-oxide	9000	U
5-nitro-o-toluidine	4200	U
7,12-dimethylbenz(a)anthracene	4200	U
a,a-dimethylphenethylamine	15000	U
Acenaphthene	2100	U
Acenaphthylene	2100	U
Acetophenone	2100	U
Aniline	4200	U
Anthracene	2100	U
Aramite	11000	U
Benzo(a)anthracene	3000	U
Benzo(a)pyrene	4200	U
Benzo(b)fluoranthene	3000	U
Benzo(g,h,i)perylene	4800	U
Benzo(k)fluoranthene	3000	UJ
Benzyl alcohol	[illegible]00	U

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PARAMETER	RESULT	QUAL
Bis(2-chloroethoxy)methane	2100	U
Bis(2-chloroethyl)ether	2100	U
Bis(2-ethylhexyl)phthalate	3000	U
Butyl benzyl phthalate	3000	U
Chrysene	3000	U
Di-n-butyl phthalate	2100	U
Di-n-octyl phthalate	4200	U
Diallate	2100	U
Dibenzo(a,h)anthracene	4800	U
Dibenzofuran	2100	U
Diethyl phthalate	2100	U
Dimethyl phthalate	3000	U
Diphenylamine	2100	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	2100	U
Fluoranthene	2100	U
Fluorene	2100	U
Hexachlorobenzene	3000	U
Hexachlorobutadiene	4200	U
Hexachlorocyclopentadiene	30000	U
Hexachloroethane	3000	U
Hexachlorophene	480000	U
Hexachloropropene	4200	U
Indeno(1,2,3-cd)pyrene	4800	U
Isophorone	4200	U
Isosafrole	2100	U
Methapyrilene	15000	U
Methyl methanesulfonate	2100	U
N-nitroso-di-n-butylamine	2100	U
N-nitroso-di-n-propylamine	3000	U
N-nitrosodiethylamine	2100	U
N-nitrosodimethylamine	3000	U
N-nitrosodiphenylamine	2100	U
N-nitrosomethylethylamine	2100	U
N-nitrosomorpholine	2100	U
N-nitrosopiperidine	2100	U
N-nitrosopyrrolidine	2100	U
Naphthalene	2100	U
Nitrobenzene	2100	U
o-toluidine	2100	U
p-dimethylaminoazobenzene	4200	U
p-phenylenediamine	60000	U
Pentachlorobenzene	2100	U
Pentachloroethane	500	U
Pentachloronitrobenzene	11000	U
Pentachlorophenol	15000	U
Phenacetin	2100	U
Phenanthrene	2100	U
Phenol	4200	U
Pronamide	2100	U

PARAMETER	RESULT	QUAL
Pyrene	2100	U
Pyridine	4200	U
Safrole	2100	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	2100	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U

PARAMETER	RESULT	QUAL
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-26 (96) FISH		**SAILFIN MOLLY**
Inorganics (mg/kg)		
Antimony	4.9	U
Arsenic	0.2	UJ
Barium	2.8	
Beryllium	0.4	U
Cadmium	0.49	U
Chromium	0.99	U
Cobalt	0.99	U
Copper	4.4	
Lead	0.24	
Mercury	0.02	UJ
Nickel	1.5	U
Selenium	0.42	
Silver	0.49	U
Thallium	0.2	U
Tin	4.9	U
Vanadium	0.99	U
Zinc	45.4	J
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1	U
4,4'-DDE	20.4	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	4200	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U

PARAMETER	RESULT	QUAL
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	2100	U
1,2,4-trichlorobenzene	3000	U
1,2-dichlorobenzene	2100	U
1,3,5-trinitrobenzene	21000	U
1,3-dichlorobenzene	2100	U
1,3-dinitrobenzene	8000	U
1,4-dichlorobenzene	2100	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	4200	U
1-naphthylamine	4200	U
2,3,4,6-tetrachlorophenol	4200	U
2,4,5-trichlorophenol	9000	U
2,4,6-trichlorophenol	9000	U
2,4-dichlorophenol	4200	U
2,4-dimethylphenol	4200	U
2,4-dinitrophenol	39000	U
2,4-dinitrotoluene	4200	U
2,6-dichlorophenol	2100	U
2,6-dinitrotoluene	4200	U
2-acetylaminofluorene	4200	U
2-chloronaphthalene	2100	U
2-chlorophenol	4200	U
2-methyl-4,6-dinitrophenol	30000	U
2-methylnaphthalene	3000	U
2-methylphenol	4200	U
2-naphthylamine	4200	U
2-nitroaniline	9000	U
2-nitrophenol	4200	U
2-picoline	4200	U
3,3'-dichlorobenzidine	15000	UJ
3,3'-dimethylbenzidine	4200	U
3-methylcholanthrene	4200	U
3-methylphenol	4200	U
3-nitroaniline	9000	UJ
4-aminobiphenyl	2100	U
4-bromophenyl phenyl ether	4200	U
4-chloro-3-methylphenol	4200	U
4-chloroaniline	9000	UJ
4-chlorophenyl phenyl ether	3000	U
4-methylphenol	4200	U
4-nitroaniline	9000	U

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PARAMETER	RESULT	QUAL
4-nitrophenol	15000	U
4-nitroquinoline-1-oxide	9000	U
5-nitro-o-toluidine	4200	U
7,12-dimethylbenz(a)anthracene	4200	U
a,a-dimethylphenethylamine	15000	U
Acenaphthene	2100	U
Acenaphthylene	2100	U
Acetophenone	2100	U
Aniline	4200	U
Anthracene	2100	U
Aramite	11000	U
Benzo(a)anthracene	3000	U
Benzo(a)pyrene	4200	U
Benzo(b)fluoranthene	3000	U
Benzo(g,h,i)perylene	4800	U
Benzo(k)fluoranthene	3000	UJ
Benzyl alcohol	4200	U
Bis(2-chloroethoxy)methane	2100	U
Bis(2-chloroethyl)ether	2100	U
Bis(2-ethylhexyl)phthalate	3000	U
Butyl benzyl phthalate	3000	U
Chrysene	3000	U
Di-n-butyl phthalate	2100	U
Di-n-octyl phthalate	4200	U
Diallate	2100	U
Dibenzo(a,h)anthracene	4800	U
Dibenzofuran	2100	U
Diethyl phthalate	2100	U
Dimethyl phthalate	3000	U
Diphenylamine	2100	U
Ethyl methacrylate	500	UJ
Ethyl methanesulfonate	2100	U
Fluoranthene	2100	U
Fluorene	2100	U
Hexachlorobenzene	3000	U
Hexachlorobutadiene	4200	U
Hexachlorocyclopentadiene	30000	U
Hexachloroethane	3000	U
Hexachlorophene	480000	U
Hexachloropropene	4200	U
Indeno(1,2,3-cd)pyrene	4800	U
Isophorone	4200	U
Isosafrole	2100	U
Methapyrilene	15000	U
Methyl methanesulfonate	2100	U
N-nitroso-di-n-butylamine	2100	U
N-nitroso-di-n-propylamine	3000	U
N-nitrosodiethylamine	2100	U
N-nitrosodimethylamine	3000	U
N-nitros ylamine	2100	U

PARAMETER	RESULT	QUAL
N-nitrosomethylethylamine	2100	U
N-nitrosomorpholine	2100	U
N-nitrosopiperidine	2100	U
N-nitrosopyrrolidine	2100	U
Naphthalene	2100	U
Nitrobenzene	2100	U
o-toluidine	2100	U
p-dimethylaminoazobenzene	4200	U
p-phenylenediamine	60000	U
Pentachlorobenzene	2100	U
Pentachloroethane	500	UJ
Pentachloronitrobenzene	11000	U
Pentachlorophenol	15000	U
Phenacetin	2100	U
Phenanthrene	2100	U
Phenol	4200	U
Pronamide	2100	U
Pyrene	2100	U
Pyridine	4200	U
Safrole	2100	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	UJ
1,1,1-trichloroethane	500	UJ
1,1,2,2-tetrachloroethane	500	UJ
1,1,2-trichloroethane	500	UJ
1,1-dichloroethane	500	UJ
1,1-dichloroethene	500	UJ
1,2,3-trichloropropane	500	UJ
1,2-dibromo-3-chloropropane	1000	UJ
1,2-dibromoethane	500	UJ
1,2-dichloroethane	500	UJ
1,2-dichloropropane	500	UJ
2-butanone	2000	UJ
2-chloro-1,3-butadiene	1000	UJ
2-hexanone	2000	UJ
3-chloropropene	5000	UJ
4-methyl-2-pentanone	2000	UJ
Acetone	1000	UJ
Acetonitrile	5000	UJ
Acrolein	1000	UJ
Acrylonitrile	1000	UJ
Benzene	500	UJ
Bis(2-chloroisopropyl)ether	2100	U
Bromodichloromethane	500	UJ
Bromoform	500	UJ
Bromomethane	1000	UJ
Carbon disulfide	500	UJ
Carbon tetrachloride	500	UJ
Chlorobenzene	500	UJ
Chloroethane	2000	UJ

PARAMETER	RESULT	QUAL
Chloroform	500	UJ
Chloromethane	1000	UJ
Cis-1,3-dichloropropene	500	UJ
Dibromochloromethane	500	UJ
Dibromomethane	500	UJ
Dichlorodifluoromethane	500	UJ
Ethyl cyanide	500	UJ
Ethylbenzene	500	UJ
Iodomethane	500	UJ
Isobutanol	10000	UR
Methacrylonitrile	500	UJ
Methyl methacrylate	500	UJ
Methylene chloride	500	UJ
Styrene	500	UJ
Tetrachloroethene	500	UJ
Toluene	500	UJ
Trans-1,2-dichloroethene	500	UJ
Trans-1,3-dichloropropene	500	UJ
Trans-1,4-dichloro-2-butene	500	UJ
Trichloroethene	500	UJ
Trichlorofluoromethane	500	UJ
Vinyl acetate	1000	UJ
Vinyl chloride	1000	UJ
Xylenes, total	500	UJ
BG1F-17 (96) FISH	**SHEEPSHEAD MINNOW**	
Inorganics (mg/kg)		
Antimony	4.6	U
Arsenic	0.19	U
Barium	2	
Beryllium	0.37	U
Cadmium	0.46	U
Chromium	0.93	U
Cobalt	0.93	U
Copper	10.3	
Lead	0.33	
Mercury	0.04	U
Nickel	1.4	U
Selenium	0.4	
Silver	0.46	U
Thallium	0.19	U
Tin	4.6	U
Vanadium	0.93	U
Zinc	41.3	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.7	
4,4'-DDE	29.2	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U

PARAMETER	RESULT	QUAL
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	55	
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	2100	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	1100	U
1,2,4-trichlorobenzene	1500	U
1,2-dichlorobenzene	1100	U
1,3,5-trinitrobenzene	11000	U
1,3-dichlorobenzene	1100	U
1,3-dinitrobenzene	3000	U
1,4-dichlorobenzene	1100	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	2100	U
1-naphthylamine	2100	U
2,3,4,6-tetrachlorophenol	2100	U
2,4,5-trichlorophenol	4500	U
2,4,6-trichlorophenol	4500	U
2,4-dichlorophenol	2100	U
2,4-dimethylphenol	2100	U
2,4-dinitrophenol	20000	U
2,4-dinitrotoluene	2100	U
2,6-dichlorophenol	1100	U
2,6-dinitrotoluene	2100	U
2-acetylaminofluorene	2100	U
2-chloronaphthalene	1100	U
2-chlorophenol	2100	U
2-methyl-4,6-dinitrophenol	15000	U
2-methylnaphthalene	00	U

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PARAMETER	RESULT	QUAL
2-methylphenol	2100	U
2-naphthylamine	2100	U
2-nitroaniline	4500	U
2-nitrophenol	2100	U
2-picoline	2100	U
3,3'-dichlorobenzidine	7500	U
3,3'-dimethylbenzidine	2100	U
3-methylcholanthrene	2100	U
3-methylphenol	2100	U
3-nitroaniline	4500	U
4-aminobiphenyl	1100	U
4-bromophenyl phenyl ether	2100	U
4-chloro-3-methylphenol	2100	U
4-chloroaniline	4500	U
4-chlorophenyl phenyl ether	1500	U
4-methylphenol	2100	U
4-nitroaniline	4500	U
4-nitrophenol	7500	U
4-nitroquinoline-1-oxide	4500	U
5-nitro-o-toluidine	2100	U
7,12-dimethylbenz(a)anthracene	2100	U
a,a-dimethylphenethylamine	7500	U
Acenaphthene	1100	U
Acenaphthylene	1100	U
Acetophenone	1100	U
Aniline	2100	U
Anthracene	1100	U
Aramite	5400	U
Benzo(a)anthracene	1500	U
Benzo(a)pyrene	2100	U
Benzo(b)fluoranthene	1500	U
Benzo(g,h,i)perylene	2400	U
Benzo(k)fluoranthene	1500	U
Benzyl alcohol	2100	U
Bis(2-chloroethoxy)methane	1100	U
Bis(2-chloroethyl)ether	1100	U
Bis(2-ethylhexyl)phthalate	1500	U
Butyl benzyl phthalate	1500	U
Chrysene	1500	U
Di-n-butyl phthalate	1100	U
Di-n-octyl phthalate	2100	U
Diallate	1100	U
Dibenzo(a,h)anthracene	2400	U
Dibenzofuran	1100	U
Diethyl phthalate	1100	U
Dimethyl phthalate	1500	U
Diphenylamine	1100	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	1100	U
Fluoranthene	1100	U

PARAMETER	RESULT	QUAL
Fluorene	1100	U
Hexachlorobenzene	1500	U
Hexachlorobutadiene	2100	U
Hexachlorocyclopentadiene	15000	U
Hexachloroethane	1500	U
Hexachlorophene	240000	UR
Hexachloropropene	2100	U
Indeno(1,2,3-cd)pyrene	2400	U
Isophorone	2100	U
Isosafrole	1100	U
Methapyrilene	7500	U
Methyl methanesulfonate	1100	U
N-nitroso-di-n-butylamine	1100	U
N-nitroso-di-n-propylamine	1500	U
N-nitrosodiethylamine	1100	U
N-nitrosodimethylamine	1500	U
N-nitrosodiphenylamine	1100	U
N-nitrosomethylethylamine	1100	U
N-nitrosomorpholine	1100	U
N-nitrosopiperidine	1100	U
N-nitrosopyrrolidine	1100	U
Naphthalene	1100	U
Nitrobenzene	1100	U
o-toluidine	1100	U
p-dimethylaminoazobenzene	2100	U
p-phenylenediamine	30000	U
Pentachlorobenzene	1100	U
Pentachloroethane	500	U
Pentachloronitrobenzene	5300	U
Pentachlorophenol	7500	UR
Phenacetin	1100	U
Phenanthrene	1100	U
Phenol	2100	U
Pronamide	1100	U
Pyrene	1100	U
Pyridine	3300	D
Safrole	1100	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR

PARAMETER	RESULT	QUAL
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	1100	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-08 (96) FISH	**STRIPED MULLET**	
Inorganics (mg/kg)		
Antimony	5	U
Arsenic	0.2	U
Barium	0.5	U
Beryllium	0.4	U
Cadmium	0.5	U
Chromium	1	U
Cobalt	1	U

PARAMETER	RESULT	QUAL
Copper	1.6	
Lead	0.15	U
Mercury	0.04	U
Nickel	1.5	U
Selenium	0.28	
Silver	0.5	U
Thallium	0.2	U
Tin	5	U
Vanadium	1	U
Zinc	8.5	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.2	
4,4'-DDE	165	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	116	
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	2100	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	1100	U
1,2,4-trichlorobenzene	1500	U
1,2-dichlorobenzene	1100	U
1,3,5-trinitrobenzene	11000	U
1,3-dichlorobenzene	1100	U
1,3-dinitrobenzene	3000	U
1,4-dichlorobenzene	1100	U

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PARAMETER	RESULT	QUAL
1,4-dioxane	10000	UR
1,4-naphthoquinone	2100	U
1-naphthylamine	2100	U
2,3,4,6-tetrachlorophenol	2100	U
2,4,5-trichlorophenol	4500	U
2,4,6-trichlorophenol	4500	U
2,4-dichlorophenol	2100	U
2,4-dimethylphenol	2100	U
2,4-dinitrophenol	20000	U
2,4-dinitrotoluene	2100	U
2,6-dichlorophenol	1100	U
2,6-dinitrotoluene	2100	U
2-acetylaminofluorene	2100	U
2-chloronaphthalene	1100	U
2-chlorophenol	2100	U
2-methyl-4,6-dinitrophenol	15000	U
2-methylnaphthalene	1500	U
2-methylphenol	2100	U
2-naphthylamine	2100	U
2-nitroaniline	4500	U
2-nitrophenol	2100	U
2-picoline	2100	U
3,3'-dichlorobenzidine	7500	U
3,3'-dimethylbenzidine	2100	U
3-methylcholanthrene	2100	U
3-methylphenol	2100	U
3-nitroaniline	4500	U
4-aminobiphenyl	1100	U
4-bromophenyl phenyl ether	2100	U
4-chloro-3-methylphenol	2100	U
4-chloroaniline	4500	U
4-chlorophenyl phenyl ether	1500	U
4-methylphenol	2100	U
4-nitroaniline	4500	U
4-nitrophenol	7500	U
4-nitroquinoline-1-oxide	4500	U
5-nitro-o-toluidine	2100	U
7,12-dimethylbenz(a)anthracene	2100	U
a,a-dimethylphenethylamine	7500	U
Acenaphthene	1100	U
Acenaphthylene	1100	U
Acetophenone	1100	U
Aniline	2100	U
Anthracene	1100	U
Aramite	5400	U
Benzo(a)anthracene	1500	U
Benzo(a)pyrene	2100	U
Benzo(b)fluoranthene	1500	U
Benzo(g,h,i)perylene	2400	U
Benzo[illegible]nthene	1500	U

PARAMETER	RESULT	QUAL
Benzyl alcohol	2100	U
Bis(2-chloroethoxy)methane	1100	U
Bis(2-chloroethyl)ether	1100	U
Bis(2-ethylhexyl)phthalate	1500	U
Butyl benzyl phthalate	1500	U
Chrysene	1500	U
Di-n-butyl phthalate	1100	U
Di-n-octyl phthalate	2100	U
Diallate	1100	U
Dibenzo(a,h)anthracene	2400	U
Dibenzofuran	1100	U
Diethyl phthalate	1100	U
Dimethyl phthalate	1500	U
Diphenylamine	1100	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	1100	U
Fluoranthene	1100	U
Fluorene	1100	U
Hexachlorobenzene	1500	U
Hexachlorobutadiene	2100	U
Hexachlorocyclopentadiene	15000	U
Hexachloroethane	1500	U
Hexachlorophene	240000	UR
Hexachloropropene	2100	U
Indeno(1,2,3-cd)pyrene	2400	U
Isophorone	2100	U
Isosafrole	1100	U
Methapyrilene	7500	U
Methyl methanesulfonate	1100	U
N-nitroso-di-n-butylamine	1100	U
N-nitroso-di-n-propylamine	1500	U
N-nitrosodiethylamine	1100	U
N-nitrosodimethylamine	1500	U
N-nitrosodiphenylamine	1100	U
N-nitrosomethylethylamine	1100	U
N-nitrosomorpholine	1100	U
N-nitrosopiperidine	1100	U
N-nitrosopyrrolidine	1100	U
Naphthalene	1100	U
Nitrobenzene	1100	U
o-toluidine	1100	U
p-dimethylaminoazobenzene	2100	U
p-phenylenediamine	30000	UR
Pentachlorobenzene	1100	U
Pentachloroethane	500	U
Pentachloronitrobenzene	5300	U
Pentachlorophenol	7500	UR
Phenacetin	1100	U
Phenanthrene	1100	U
Phenol	2100	U

PARAMETER	RESULT	QUAL
Pronamide	1100	U
Pyrene	1100	U
Pyridine	2100	U
Safrole	1100	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	1100	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U

PARAMETER	RESULT	QUAL
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-09 (96) FISH	**STRIPED MULLET**	
Inorganics (mg/kg)		
Antimony	5	U
Arsenic	0.2	U
Barium	0.5	U
Beryllium	0.4	U
Cadmium	0.5	U
Chromium	0.99	U
Cobalt	0.99	U
Copper	3.5	
Lead	0.15	U
Mercury	0.04	U
Nickel	1.5	U
Selenium	0.38	
Silver	0.5	U
Thallium	0.2	U
Tin	5	U
Vanadium	0.99	U
Zinc	9	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	2	
4,4'-DDE	119	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	75	
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	840	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U

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PARAMETER	RESULT	QUAL
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	420	U
1,2,4-trichlorobenzene	600	U
1,2-dichlorobenzene	420	U
1,3,5-trinitrobenzene	4200	U
1,3-dichlorobenzene	420	U
1,3-dinitrobenzene	1200	U
1,4-dichlorobenzene	420	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	840	U
1-naphthylamine	840	U
2,3,4,6-tetrachlorophenol	840	U
2,4,5-trichlorophenol	1800	U
2,4,6-trichlorophenol	1800	U
2,4-dichlorophenol	840	U
2,4-dimethylphenol	840	U
2,4-dinitrophenol	7800	U
2,4-dinitrotoluene	840	U
2,6-dichlorophenol	420	U
2,6-dinitrotoluene	840	U
2-acetylaminofluorene	840	U
2-chloronaphthalene	420	U
2-chlorophenol	840	U
2-methyl-4,6-dinitrophenol	6000	U
2-methylnaphthalene	600	U
2-methylphenol	840	U
2-naphthylamine	840	U
2-nitroaniline	1800	U
2-nitrophenol	840	U
2-picoline	840	U
3,3'-dichlorobenzidine	3000	U
3,3'-dimethylbenzidine	840	U
3-methylcholanthrene	840	U
3-methylphenol	840	U
3-nitroaniline	1800	U
4-aminobiphenyl	420	U
4-bromophenyl phenyl ether	840	U
4-chloro-3-methylphenol	840	U
4-chloroaniline	1800	U
4-chlorophenyl phenyl ether	600	U
4-methylphenol	840	U

PARAMETER	RESULT	QUAL
4-nitroaniline	1800	U
4-nitrophenol	3000	U
4-nitroquinoline-1-oxide	1800	U
5-nitro-o-toluidine	840	U
7,12-dimethylbenz(a)anthracene	840	U
a,a-dimethylphenethylamine	3000	U
Acenaphthene	420	U
Acenaphthylene	420	U
Acetophenone	420	U
Aniline	840	U
Anthracene	420	U
Aramite	2200	U
Benzo(a)anthracene	600	U
Benzo(a)pyrene	840	U
Benzo(b)fluoranthene	600	U
Benzo(g,h,i)perylene	960	U
Benzo(k)fluoranthene	600	U
Benzyl alcohol	840	U
Bis(2-chloroethoxy)methane	420	U
Bis(2-chloroethyl)ether	420	U
Bis(2-ethylhexyl)phthalate	600	U
Butyl benzyl phthalate	600	U
Chrysene	600	U
Di-n-butyl phthalate	420	U
Di-n-octyl phthalate	840	U
Diallate	420	U
Dibenzo(a,h)anthracene	960	U
Dibenzofuran	420	U
Diethyl phthalate	420	U
Dimethyl phthalate	600	U
Diphenylamine	420	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	420	U
Fluoranthene	420	U
Fluorene	420	U
Hexachlorobenzene	600	U
Hexachlorobutadiene	840	U
Hexachlorocyclopentadiene	6000	U
Hexachloroethane	600	U
Hexachlorophene	96000	UR
Hexachloropropene	840	U
Indeno(1,2,3-cd)pyrene	960	U
Isophorone	840	U
Isosafrole	420	U
Methapyrilene	3000	U
Methyl methanesulfonate	420	U
N-nitroso-di-n-butylamine	420	U
N-nitroso-di-n-propylamine	600	U
N-nitrosodiethylamine	420	U
N-nitrosodimethylamine	600	U

PARAMETER	RESULT	QUAL
N-nitrosodiphenylamine	420	U
N-nitrosomethylethylamine	420	U
N-nitrosomorpholine	420	U
N-nitrosopiperidine	420	U
N-nitrosopyrrolidine	420	U
Naphthalene	420	U
Nitrobenzene	420	U
o-toluidine	420	U
p-dimethylaminoazobenzene	840	U
p-phenylenediamine	12000	U
Pentachlorobenzene	420	U
Pentachloroethane	500	U
Pentachloronitrobenzene	2100	U
Pentachlorophenol	3000	UR
Phenacetin	420	U
Phenanthrene	420	U
Phenol	840	U
Pronamide	420	U
Pyrene	420	U
Pyridine	840	U
Safrole	420	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	420	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U

PARAMETER	RESULT	QUAL
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-01 (96) FISH	**YELLOWFIN MOJARRA**	
Inorganics (mg/kg)		
Antimony	4.9	U
Arsenic	0.2	U
Barium	0.49	U
Beryllium	0.39	U
Cadmium	0.49	U
Chromium	0.97	U
Cobalt	0.97	U
Copper	0.49	U
Lead	0.15	U
Mercury	0.04	U
Nickel	1.5	U
Selenium	0.9	
Silver	0.49	U
Thallium	0.2	U
Tin	4.9	U
Vanadium	0.97	U
Zinc	168	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1	U
4,4'-DDE	73.6	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U

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PARAMETER	RESULT	QUAL
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	130	
beta-BHC	6.3	
Chlordane	5	U
Chlorobenzilate	840	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	420	U
1,2,4-trichlorobenzene	600	U
1,2-dichlorobenzene	420	U
1,3,5-trinitrobenzene	4200	U
1,3-dichlorobenzene	420	U
1,3-dinitrobenzene	1200	U
1,4-dichlorobenzene	420	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	840	U
1-naphthylamine	840	U
2,3,4,6-tetrachlorophenol	840	U
2,4,5-trichlorophenol	1800	U
2,4,6-trichlorophenol	1800	U
2,4-dichlorophenol	840	U
2,4-dimethylphenol	840	U
2,4-dinitrophenol	7800	U
2,4-dinitrotoluene	840	U
2,6-dichlorophenol	420	U
2,6-dinitrotoluene	840	U
2-acetylaminofluorene	840	U
2-chloronaphthalene	420	U
2-chlorophenol	840	U
2-meth[illegible]linitrophenol	6000	U

PARAMETER	RESULT	QUAL
2-methylnaphthalene	600	U
2-methylphenol	840	U
2-naphthylamine	840	U
2-nitroaniline	1800	U
2-nitrophenol	840	U
2-picoline	840	U
3,3'-dichlorobenzidine	3000	U
3,3'-dimethylbenzidine	840	U
3-methylcholanthrene	840	U
3-methylphenol	840	U
3-nitroaniline	1800	U
4-aminobiphenyl	420	U
4-bromophenyl phenyl ether	840	U
4-chloro-3-methylphenol	840	U
4-chloroaniline	1800	U
4-chlorophenyl phenyl ether	600	U
4-methylphenol	840	U
4-nitroaniline	1800	U
4-nitrophenol	3000	U
4-nitroquinoline-1-oxide	1800	U
5-nitro-o-toluidine	840	U
7,12-dimethylbenz(a)anthracene	840	U
a,a-dimethylphenethylamine	3000	U
Acenaphthene	420	U
Acenaphthylene	420	U
Acetophenone	420	U
Aniline	840	U
Anthracene	420	U
Aramite	2200	U
Benzo(a)anthracene	600	U
Benzo(a)pyrene	840	U
Benzo(b)fluoranthene	600	U
Benzo(g,h,i)perylene	960	U
Benzo(k)fluoranthene	600	U
Benzyl alcohol	840	U
Bis(2-chloroethoxy)methane	420	U
Bis(2-chloroethyl)ether	420	U
Bis(2-ethylhexyl)phthalate	600	U
Butyl benzyl phthalate	600	U
Chrysene	600	U
Di-n-butyl phthalate	420	U
Di-n-octyl phthalate	840	U
Diallate	420	U
Dibenzo(a,h)anthracene	960	U
Dibenzofuran	420	U
Diethyl phthalate	420	U
Dimethyl phthalate	600	U
Diphenylamine	420	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	420	U

PARAMETER	RESULT	QUAL
Fluoranthene	420	U
Fluorene	420	U
Hexachlorobenzene	600	U
Hexachlorobutadiene	840	U
Hexachlorocyclopentadiene	6000	U
Hexachloroethane	600	U
Hexachlorophene	96000	UR
Hexachloropropene	840	U
Indeno(1,2,3-cd)pyrene	960	U
Isophorone	840	U
Isosafrole	420	U
Methapyrilene	3000	U
Methyl methanesulfonate	420	U
N-nitroso-di-n-butylamine	420	U
N-nitroso-di-n-propylamine	600	U
N-nitrosodiethylamine	420	U
N-nitrosodimethylamine	600	U
N-nitrosodiphenylamine	420	U
N-nitrosomethylethylamine	420	U
N-nitrosomorpholine	420	U
N-nitrosopiperidine	420	U
N-nitrosopyrrolidine	420	U
Naphthalene	420	U
Nitrobenzene	420	U
o-toluidine	420	U
p-dimethylaminoazobenzene	840	U
p-phenylenediamine	12000	U
Pentachlorobenzene	420	U
Pentachloroethane	500	U
Pentachloronitrobenzene	2100	U
Pentachlorophenol	3000	UR
Phenacetin	420	U
Phenanthrene	420	U
Phenol	840	U
Pronamide	420	U
Pyrene	420	U
Pyridine	840	U
Safrole	420	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U

PARAMETER	RESULT	QUAL
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	420	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-02 (96) FISH	YELLOWFIN MOJARRA	
Inorganics (mg/kg)		
Antimony	4.9	U
Arsenic	0.2	U
Barium	0.49	U
Beryllium	0.4	U
Cadmium	0.49	U
Chromium	.99	U

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PARAMETER	RESULT	QUAL
Cobalt	0.99	U
Copper	0.49	U
Lead	0.15	U
Mercury	0.04	U
Nickel	1.5	U
Selenium	0.4	
Silver	0.49	U
Thallium	0.2	U
Tin	4.9	U
Vanadium	0.99	U
Zinc	17.6	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	4.6	
4,4'-DDE	282	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	294	
beta-BHC	4.2	
Chlordane	5	U
Chlorobenzilate	840	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	420	U
1,2,4-trichlorobenzene	600	U
1,2-dichlorobenzene	420	U
1,3,5-trinitrobenzene	4200	U
1,3-dichlorobenzene	420	U
1,3-dinitrobenzene	1200	U

PARAMETER	RESULT	QUAL
1,4-dichlorobenzene	420	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	840	U
1-naphthylamine	840	U
2,3,4,6-tetrachlorophenol	840	U
2,4,5-trichlorophenol	1800	U
2,4,6-trichlorophenol	1800	U
2,4-dichlorophenol	840	U
2,4-dimethylphenol	840	U
2,4-dinitrophenol	7800	U
2,4-dinitrotoluene	840	U
2,6-dichlorophenol	420	U
2,6-dinitrotoluene	840	U
2-acetylaminofluorene	840	U
2-chloronaphthalene	420	U
2-chlorophenol	840	U
2-methyl-4,6-dinitrophenol	6000	U
2-methylnaphthalene	600	U
2-methylphenol	840	U
2-naphthylamine	840	U
2-nitroaniline	1800	U
2-nitrophenol	840	U
2-picoline	840	U
3,3'-dichlorobenzidine	3000	U
3,3'-dimethylbenzidine	840	U
3-methylcholanthrene	840	U
3-methylphenol	840	U
3-nitroaniline	1800	U
4-aminobiphenyl	420	U
4-bromophenyl phenyl ether	840	U
4-chloro-3-methylphenol	840	U
4-chloroaniline	1800	U
4-chlorophenyl phenyl ether	600	U
4-methylphenol	840	U
4-nitroaniline	1800	U
4-nitrophenol	3000	U
4-nitroquinoline-1-oxide	1800	U
5-nitro-o-toluidine	840	U
7,12-dimethylbenz(a)anthracene	840	U
a,a-dimethylphenethylamine	3000	U
Acenaphthene	420	U
Acenaphthylene	420	U
Acetophenone	420	U
Aniline	840	U
Anthracene	420	U
Aramite	2200	U
Benzo(a)anthracene	600	U
Benzo(a)pyrene	840	U
Benzo(b)fluoranthene	600	U
Benzo(g,h,i)perylene	960	U

PARAMETER	RESULT	QUAL
Benzo(k)fluoranthene	600	U
Benzyl alcohol	840	U
Bis(2-chloroethoxy)methane	420	U
Bis(2-chloroethyl)ether	420	U
Bis(2-ethylhexyl)phthalate	600	U
Butyl benzyl phthalate	600	U
Chrysene	600	U
Di-n-butyl phthalate	420	U
Di-n-octyl phthalate	840	U
Diallate	420	U
Dibenzo(a,h)anthracene	960	U
Dibenzofuran	420	U
Diethyl phthalate	420	U
Dimethyl phthalate	600	U
Diphenylamine	420	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	420	U
Fluoranthene	420	U
Fluorene	420	U
Hexachlorobenzene	600	U
Hexachlorobutadiene	840	U
Hexachlorocyclopentadiene	6000	U
Hexachloroethane	600	U
Hexachlorophene	96000	UR
Hexachloropropene	840	U
Indeno(1,2,3-cd)pyrene	960	U
Isophorone	840	U
Isosafrole	420	U
Methapyrilene	3000	U
Methyl methanesulfonate	420	U
N-nitroso-di-n-butylamine	420	U
N-nitroso-di-n-propylamine	600	U
N-nitrosodiethylamine	420	U
N-nitrosodimethylamine	600	U
N-nitrosodiphenylamine	420	U
N-nitrosomethylethylamine	420	U
N-nitrosomorpholine	420	U
N-nitrosopiperidine	420	U
N-nitrosopyrrolidine	420	U
Naphthalene	420	U
Nitrobenzene	420	U
o-toluidine	420	U
p-dimethylaminoazobenzene	840	U
p-phenylenediamine	12000	UR
Pentachlorobenzene	420	U
Pentachloroethane	500	U
Pentachloronitrobenzene	2100	U
Pentachlorophenol	3000	UR
Phenacetin	420	U
Phenanthrene	420	U

PARAMETER	RESULT	QUAL
Phenol	840	U
Pronamide	420	U
Pyrene	420	U
Pyridine	840	U
Safrole	420	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	420	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U

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PARAMETER	RESULT	QUAL
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG1F-10 (96) FISH	**YELLOWFIN MOJARRA**	
Inorganics (mg/kg)		
Antimony	4.9	U
Arsenic	0.2	U
Barium	0.49	U
Beryllium	0.4	U
Cadmium	0.49	U
Chromium	0.99	U
Cobalt	0.99	U
Copper	0.49	U
Lead	0.15	U
Mercury	0.04	U
Nickel	1.5	U
Selenium	1.2	
Silver	0.49	U
Thallium	0.2	U
Tin	4.9	U
Vanadium	0.99	U
Zinc	248	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.6	
4,4'-DDE	120	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	145	
beta-BHC	4.9	
Chlordane	5	U
Chlorobenzilate	840	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosu[illegible]fate	1	U

PARAMETER	RESULT	QUAL
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	420	U
1,2,4-trichlorobenzene	600	U
1,2-dichlorobenzene	420	U
1,3,5-trinitrobenzene	4200	U
1,3-dichlorobenzene	420	U
1,3-dinitrobenzene	1200	U
1,4-dichlorobenzene	420	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	840	U
1-naphthylamine	840	U
2,3,4,6-tetrachlorophenol	840	U
2,4,5-trichlorophenol	1800	U
2,4,6-trichlorophenol	1800	U
2,4-dichlorophenol	840	U
2,4-dimethylphenol	840	U
2,4-dinitrophenol	7800	U
2,4-dinitrotoluene	840	U
2,6-dichlorophenol	420	U
2,6-dinitrotoluene	840	U
2-acetylaminofluorene	840	U
2-chloronaphthalene	420	U
2-chlorophenol	840	U
2-methyl-4,6-dinitrophenol	6000	U
2-methylnaphthalene	600	U
2-methylphenol	840	U
2-naphthylamine	840	U
2-nitroaniline	1800	U
2-nitrophenol	840	U
2-picoline	840	U
3,3'-dichlorobenzidine	3000	U
3,3'-dimethylbenzidine	840	U
3-methylcholanthrene	840	U
3-methylphenol	840	U
3-nitroaniline	1800	U
4-aminobiphenyl	420	U
4-bromophenyl phenyl ether	840	U
4-chloro-3-methylphenol	840	U
4-chloroaniline	1800	U
4-chlorophenyl phenyl ether	600	U

PARAMETER	RESULT	QUAL
4-methylphenol	840	U
4-nitroaniline	1800	U
4-nitrophenol	3000	U
4-nitroquinoline-1-oxide	1800	U
5-nitro-o-toluidine	840	U
7,12-dimethylbenz(a)anthracene	840	U
a,a-dimethylphenethylamine	3000	U
Acenaphthene	420	U
Acenaphthylene	420	U
Acetophenone	420	U
Aniline	840	U
Anthracene	420	U
Aramite	2200	U
Benzo(a)anthracene	600	U
Benzo(a)pyrene	840	U
Benzo(b)fluoranthene	600	U
Benzo(g,h,i)perylene	960	U
Benzo(k)fluoranthene	600	U
Benzyl alcohol	840	U
Bis(2-chloroethoxy)methane	420	U
Bis(2-chloroethyl)ether	420	U
Bis(2-ethylhexyl)phthalate	600	U
Butyl benzyl phthalate	600	U
Chrysene	600	U
Di-n-butyl phthalate	420	U
Di-n-octyl phthalate	840	U
Diallate	420	U
Dibenzo(a,h)anthracene	960	U
Dibenzofuran	420	U
Diethyl phthalate	420	U
Dimethyl phthalate	600	U
Diphenylamine	420	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	420	U
Fluoranthene	420	U
Fluorene	420	U
Hexachlorobenzene	600	U
Hexachlorobutadiene	840	U
Hexachlorocyclopentadiene	6000	U
Hexachloroethane	600	U
Hexachlorophene	96000	UR
Hexachloropropene	840	U
Indeno(1,2,3-cd)pyrene	960	U
Isophorone	840	U
Isosafrole	420	U
Methapyrilene	3000	U
Methyl methanesulfonate	420	U
N-nitroso-di-n-butylamine	420	U
N-nitroso-di-n-propylamine	600	U
N-nitrosodiethylamine	420	U

PARAMETER	RESULT	QUAL
N-nitrosodimethylamine	600	U
N-nitrosodiphenylamine	420	U
N-nitrosomethylethylamine	420	U
N-nitrosomorpholine	420	U
N-nitrosopiperidine	420	U
N-nitrosopyrrolidine	420	U
Naphthalene	420	U
Nitrobenzene	420	U
o-toluidine	420	U
p-dimethylaminoazobenzene	840	U
p-phenylenediamine	12000	U
Pentachlorobenzene	420	U
Pentachloroethane	500	U
Pentachloronitrobenzene	2100	U
Pentachlorophenol	3000	UR
Phenacetin	420	U
Phenanthrene	420	U
Phenol	840	U
Pronamide	420	U
Pyrene	420	U
Pyridine	840	U
Safrole	420	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	420	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U

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PARAMETER	RESULT	QUAL
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U

BG2

BG2F-05 (96) FISH	BLUESTRIPED GRUNT	
Inorganics (mg/kg)		
Antimony	4.8	U
Arsenic	2	
Barium	0.48	U
Beryllium	0.39	U
Cadmium	0.48	U
Chromium	0.96	U
Cobalt	0.96	U
Copper	0.48	U
Lead	0.14	U
Mercury	0.03	
Nickel	1.4	U
Selenium	0.24	U
Silver	0.48	U
Thallium	0.19	U
Tin	4.8	U
Vanadium	0.96	U
Zinc	9.9	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	2.3	
4,4'-DDE	7.2	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	3.3	
Chlordane	5	U
Chlorobenzilate	280	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	140	U
1,2,4-trichlorobenzene	200	U
1,2-dichlorobenzene	140	U
1,3,5-trinitrobenzene	1400	U
1,3-dichlorobenzene	140	U
1,3-dinitrobenzene	400	U
1,4-dichlorobenzene	140	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	280	UR
1-naphthylamine	280	U
2,3,4,6-tetrachlorophenol	280	U
2,4,5-trichlorophenol	600	U
2,4,6-trichlorophenol	600	U
2,4-dichlorophenol	280	U
2,4-dimethylphenol	280	U
2,4-dinitrophenol	2600	U
2,4-dinitrotoluene	280	UR
2,6-dichlorophenol	140	U
2,6-dinitrotoluene	280	U
2-acetylaminofluorene	280	UR
2-chloronaphthalene	140	U
2-chlorophenol	280	U
2-methyl-4,6-dinitrophenol	2000	U
2-methylnaphthalene	200	U
2-methylphenol	280	U
2-naphthylamine	280	U
2-nitroaniline	600	U
2-nitrophenol	280	U
2-picoline	280	U
3,3'-dichlorobenzidine	1000	U
3,3'-dimethylbenzidine	280	U
3-methylcholanthrene	280	U
3-methylphenol	280	U
3-nitroaniline	600	U
4-aminobiphenyl	140	U
4-bromophenyl phenyl ether	280	U
4-chloro-3-methylphenol	280	U
4-chloroaniline	600	U
4-chlorophenyl phenyl ether	200	U
4-methylphenol	280	U
4-nitroaniline	600	U
4-nitrophenol	1000	UR
4-nitroquinoline-1-oxide	600	U
5-nitro-o-toluidine	280	U
7,12-dimethylbenz(a)anthracene	280	U
a,a-dimethylphenethylamine	1000	UR
Acenaphthene	140	U
Acenaphthylene	140	U
Acetophenone	140	U
Aniline	280	U
Anthracene	140	U
Aramite	720	U
Benzo(a)anthracene	200	U
Benzo(a)pyrene	280	U
Benzo(b)fluoranthene	200	U
Benzo(g,h,i)perylene	320	U
Benzo(k)fluoranthene	200	U
Benzyl alcohol	280	U
Bis(2-chloroethoxy)methane	140	U
Bis(2-chloroethyl)ether	140	U
Bis(2-ethylhexyl)phthalate	2300	D
Butyl benzyl phthalate	200	U
Chrysene	200	U
Di-n-butyl phthalate	140	U
Di-n-octyl phthalate	280	U
Diallate	140	U
Dibenzo(a,h)anthracene	320	U
Dibenzofuran	140	UR
Diethyl phthalate	140	U
Dimethyl phthalate	200	U
Diphenylamine	140	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	140	U
Fluoranthene	140	U
Fluorene	140	U
Hexachlorobenzene	200	U
Hexachlorobutadiene	280	U
Hexachlorocyclopentadiene	2000	U
Hexachloroethane	200	U
Hexachlorophene	32000	U
Hexachloropropene	280	U
Indeno(1,2,3-cd)pyrene	320	U
Isophorone	280	U
Isosafrole	140	UR
Methapyrilene	1000	U
Methyl methanesulfonate	140	U
N-nitroso-di-n-butylamine	140	U
N-nitroso-di-n-propylamine	200	U
N-nitrosodiethylamine	140	U
N-nitrosodimethylamine	200	U
N-nitrosodiphenylamine	140	U
N-nitrosomethylethylamine	140	U
N-nitrosomorpholine	140	U
N-nitrosopiperidine	140	U
N-nitrosopyrrolidine	140	U
Naphthalene	140	U
Nitrobenzene	140	U
o-toluidine	140	UR
p-dimethylaminoazobenzene	280	U
p-phenylenediamine	4000	UR
Pentachlorobenzene	140	U
Pentachloroethane	500	U
Pentachloronitrobenzene	700	UR
Pentachlorophenol	1000	U
Phenacetin	140	U
Phenanthrene	140	U
Phenol	280	U
Pronamide	140	U
Pyrene	140	U
Pyridine	280	U
Safrole	140	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U

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PARAMETER	RESULT	QUAL
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	140	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG2F-01 (96) FISH	GRAY SNAPPER	
Inorganics (mg/kg)		
Antimony	4.8	U
Arsenic	3.2	
Barium	0.48	U
Beryllium	0.38	U

PARAMETER	RESULT	QUAL
Cadmium	0.48	U
Chromium	0.95	U
Cobalt	0.95	U
Copper	2.5	
Lead	0.14	U
Mercury	0.12	
Nickel	2.8	
Selenium	0.27	
Silver	0.48	U
Thallium	0.19	U
Tin	4.8	U
Vanadium	0.95	U
Zinc	10.7	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1	U
4,4'-DDE	1	U
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	2.8	
Chlordane	5	U
Chlorobenzilate	280	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	140	U
1,2,4-trichlorobenzene	200	U
1,2-dichlorobenzene	140	U
1,3,5-trinitrobenzene	1400	U

PARAMETER	RESULT	QUAL
1,3-dichlorobenzene	140	U
1,3-dinitrobenzene	400	U
1,4-dichlorobenzene	140	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	280	UR
1-naphthylamine	280	U
2,3,4,6-tetrachlorophenol	280	U
2,4,5-trichlorophenol	600	U
2,4,6-trichlorophenol	600	U
2,4-dichlorophenol	280	U
2,4-dimethylphenol	280	U
2,4-dinitrophenol	2600	U
2,4-dinitrotoluene	280	UR
2,6-dichlorophenol	140	U
2,6-dinitrotoluene	280	U
2-acetylaminofluorene	280	UR
2-chloronaphthalene	140	U
2-chlorophenol	280	U
2-methyl-4,6-dinitrophenol	2000	U
2-methylnaphthalene	200	U
2-methylphenol	280	U
2-naphthylamine	280	U
2-nitroaniline	600	U
2-nitrophenol	280	U
2-picoline	280	U
3,3'-dichlorobenzidine	1000	U
3,3'-dimethylbenzidine	280	U
3-methylcholanthrene	280	U
3-methylphenol	280	U
3-nitroaniline	600	U
4-aminobiphenyl	140	U
4-bromophenyl phenyl ether	280	U
4-chloro-3-methylphenol	280	U
4-chloroaniline	600	U
4-chlorophenyl phenyl ether	200	U
4-methylphenol	280	U
4-nitroaniline	600	U
4-nitrophenol	1000	UR
4-nitroquinoline-1-oxide	600	U
5-nitro-o-toluidine	280	U
7,12-dimethylbenz(a)anthracene	280	U
a,a-dimethylphenethylamine	1000	UR
Acenaphthene	140	U
Acenaphthylene	140	U
Acetophenone	140	U
Aniline	280	U
Anthracene	140	U
Aramite	720	U
Benzo(a)anthracene	200	U
Benzo(a)pyrene	280	U

PARAMETER	RESULT	QUAL
Benzo(b)fluoranthene.	200	U
Benzo(g,h,i)perylene	320	U
Benzo(k)fluoranthene	200	U
Benzyl alcohol	280	U
Bis(2-chloroethoxy)methane	140	U
Bis(2-chloroethyl)ether	140	U
Bis(2-ethylhexyl)phthalate	200	U
Butyl benzyl phthalate	200	U
Chrysene	200	U
Di-n-butyl phthalate	140	U
Di-n-octyl phthalate	280	U
Diallate	140	U
Dibenzo(a,h)anthracene	320	U
Dibenzofuran	140	UR
Diethyl phthalate	140	U
Dimethyl phthalate	200	U
Diphenylamine	140	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	140	U
Fluoranthene	140	U
Fluorene	140	U
Hexachlorobenzene	200	U
Hexachlorobutadiene	280	U
Hexachlorocyclopentadiene	2000	U
Hexachloroethane	200	U
Hexachlorophene	32000	U
Hexachloropropene	280	U
Indeno(1,2,3-cd)pyrene	320	U
Isophorone	280	U
Isosafrole	140	UR
Methapyrilene	1000	U
Methyl methanesulfonate	140	U
N-nitroso-di-n-butylamine	140	U
N-nitroso-di-n-propylamine	200	U
N-nitrosodiethylamine	140	U
N-nitrosodimethylamine	200	U
N-nitrosodiphenylamine	140	U
N-nitrosomethylethylamine	140	U
N-nitrosomorpholine	140	U
N-nitrosopiperidine	140	U
N-nitrosopyrrolidine	140	U
Naphthalene	140	U
Nitrobenzene	140	U
o-toluidine	140	UR
p-dimethylaminoazobenzene	280	U
p-phenylenediamine	4000	UR
Pentachlorobenzene	140	U
Pentachloroethane	500	U
Pentachloronitrobenzene	700	UR
Pentachlorophenol	700	U

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PARAMETER	RESULT	QUAL
Phenacetin	140	U
Phenanthrene	140	U
Phenol	280	U
Pronamide	140	U
Pyrene	140	U
Pyridine	280	U
Safrole	140	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	140	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U

PARAMETER	RESULT	QUAL
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG2F-02 (96) FISH	**GRAY SNAPPER**	
Inorganics (mg/kg)		
Antimony	4.8	U
Arsenic	2.5	
Barium	0.48	U
Beryllium	0.39	U
Cadmium	0.48	U
Chromium	0.96	U
Cobalt	0.96	U
Copper	0.58	
Lead	0.15	U
Mercury	0.04	
Nickel	1.5	U
Selenium	0.32	
Silver	0.48	U
Thallium	0.19	U
Tin	4.8	U
Vanadium	0.96	U
Zinc	5.6	U
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1	U
4,4'-DDE	1	U
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	3.1	
Chlordane	5	U
Chlorobenzilate	560	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U

PARAMETER	RESULT	QUAL
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	280	U
1,2,4-trichlorobenzene	400	U
1,2-dichlorobenzene	280	U
1,3,5-trinitrobenzene	2800	U
1,3-dichlorobenzene	280	U
1,3-dinitrobenzene	800	U
1,4-dichlorobenzene	280	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	560	UR
1-naphthylamine	560	U
2,3,4,6-tetrachlorophenol	560	U
2,4,5-trichlorophenol	1200	U
2,4,6-trichlorophenol	1200	U
2,4-dichlorophenol	560	U
2,4-dimethylphenol	560	U
2,4-dinitrophenol	5200	U
2,4-dinitrotoluene	560	UR
2,6-dichlorophenol	280	U
2,6-dinitrotoluene	560	U
2-acetylaminofluorene	560	UR
2-chloronaphthalene	280	U
2-chlorophenol	560	U
2-methyl-4,6-dinitrophenol	4000	U
2-methylnaphthalene	400	U
2-methylphenol	560	U
2-naphthylamine	560	U
2-nitroaniline	1200	U
2-nitrophenol	560	U
2-picoline	560	U
3,3'-dichlorobenzidine	2000	U
3,3'-dimethylbenzidine	560	U
3-methylcholanthrene	560	U
3-methylphenol	560	U
3-nitroaniline	1200	U
4-aminobiphenyl	280	U
4-bromophenyl phenyl ether	560	U
4-chloro-3-methylphenol	560	U

PARAMETER	RESULT	QUAL
4-chloroaniline	1200	U
4-chlorophenyl phenyl ether	400	U
4-methylphenol	560	U
4-nitroaniline	1200	U
4-nitrophenol	2000	UR
4-nitroquinoline-1-oxide	1200	U
5-nitro-o-toluidine	560	U
7,12-dimethylbenz(a)anthracene	560	U
a,a-dimethylphenethylamine	2000	UR
Acenaphthene	280	U
Acenaphthylene	280	U
Acetophenone	280	U
Aniline	560	U
Anthracene	280	U
Aramite	1400	U
Benzo(a)anthracene	400	U
Benzo(a)pyrene	560	U
Benzo(b)fluoranthene	400	U
Benzo(g,h,i)perylene	640	U
Benzo(k)fluoranthene	400	U
Benzyl alcohol	560	U
Bis(2-chloroethoxy)methane	280	U
Bis(2-chloroethyl)ether	280	U
Bis(2-ethylhexyl)phthalate	400	U
Butyl benzyl phthalate	400	U
Chrysene	400	U
Di-n-butyl phthalate	280	U
Di-n-octyl phthalate	560	U
Diallate	280	U
Dibenzo(a,h)anthracene	640	U
Dibenzofuran	280	UR
Diethyl phthalate	280	U
Dimethyl phthalate	400	U
Diphenylamine	280	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	280	U
Fluoranthene	280	U
Fluorene	280	U
Hexachlorobenzene	400	U
Hexachlorobutadiene	560	U
Hexachlorocyclopentadiene	4000	U
Hexachloroethane	400	U
Hexachlorophene	64000	U
Hexachloropropene	560	U
Indeno(1,2,3-cd)pyrene	640	U
Isophorone	560	U
Isosafrole	280	UR
Methapyrilene	2000	U
Methyl methanesulfonate	280	U
N-nitroso-di-n-butylamine	280	U

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PARAMETER	RESULT	QUAL
N-nitroso-di-n-propylamine	400	U
N-nitrosodiethylamine	280	U
N-nitrosodimethylamine	400	U
N-nitrosodiphenylamine	280	U
N-nitrosomethylethylamine	280	U
N-nitrosomorpholine	280	U
N-nitrosopiperidine	280	U
N-nitrosopyrrolidine	280	U
Naphthalene	280	U
Nitrobenzene	280	U
o-toluidine	280	UR
p-dimethylaminoazobenzene	560	U
p-phenylenediamine	8000	UR
Pentachlorobenzene	280	U
Pentachloroethane	500	U
Pentachloronitrobenzene	1400	UR
Pentachlorophenol	2000	U
Phenacetin	280	U
Phenanthrene	280	U
Phenol	560	U
Pronamide	280	U
Pyrene	280	U
Pyridine	560	U
Safrole	280	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	280	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromom[illegible]	1000	U

PARAMETER	RESULT	QUAL
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG2F-03 (96) FISH	**GRAY SNAPPER**	
Inorganics (mg/kg)		
Antimony	5	U
Arsenic	2.3	
Barium	0.5	U
Beryllium	0.4	U
Cadmium	0.5	U
Chromium	1	U
Cobalt	1	U
Copper	0.69	
Lead	0.15	U
Mercury	0.04	
Nickel	1.5	U
Selenium	0.25	U
Silver	0.5	U
Thallium	0.2	U
Tin	5	U
Vanadium	1	U
Zinc	5.6	U
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.1	
4,4'-DDE	5.2	

PARAMETER	RESULT	QUAL
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	3.5	
Chlordane	5	U
Chlorobenzilate	280	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	140	U
1,2,4-trichlorobenzene	200	U
1,2-dichlorobenzene	140	U
1,3,5-trinitrobenzene	1400	U
1,3-dichlorobenzene	140	U
1,3-dinitrobenzene	400	U
1,4-dichlorobenzene	140	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	280	UR
1-naphthylamine	280	U
2,3,4,6-tetrachlorophenol	280	U
2,4,5-trichlorophenol	600	U
2,4,6-trichlorophenol	600	U
2,4-dichlorophenol	280	U
2,4-dimethylphenol	280	U
2,4-dinitrophenol	2600	U
2,4-dinitrotoluene	280	UR
2,6-dichlorophenol	140	U
2,6-dinitrotoluene	280	U
2-acetylaminofluorene	280	UR

PARAMETER	RESULT	QUAL
2-chloronaphthalene	140	U
2-chlorophenol	280	U
2-methyl-4,6-dinitrophenol	2000	U
2-methylnaphthalene	200	U
2-methylphenol	280	U
2-naphthylamine	280	U
2-nitroaniline	600	U
2-nitrophenol	280	U
2-picoline	280	U
3,3'-dichlorobenzidine	1000	U
3,3'-dimethylbenzidine	280	U
3-methylcholanthrene	280	U
3-methylphenol	280	U
3-nitroaniline	600	U
4-aminobiphenyl	140	U
4-bromophenyl phenyl ether	280	U
4-chloro-3-methylphenol	280	U
4-chloroaniline	600	U
4-chlorophenyl phenyl ether	200	U
4-methylphenol	280	U
4-nitroaniline	600	U
4-nitrophenol	1000	UR
4-nitroquinoline-1-oxide	600	U
5-nitro-o-toluidine	280	U
7,12-dimethylbenz(a)anthracene	280	U
a,a-dimethylphenethylamine	1000	UR
Acenaphthene	140	U
Acenaphthylene	140	U
Acetophenone	140	U
Aniline	280	U
Anthracene	140	U
Aramite	720	U
Benzo(a)anthracene	200	U
Benzo(a)pyrene	280	U
Benzo(b)fluoranthene	200	U
Benzo(g,h,i)perylene	320	U
Benzo(k)fluoranthene	200	U
Benzyl alcohol	280	U
Bis(2-chloroethoxy)methane	140	U
Bis(2-chloroethyl)ether	140	U
Bis(2-ethylhexyl)phthalate	200	U
Butyl benzyl phthalate	200	U
Chrysene	200	U
Di-n-butyl phthalate	140	U
Di-n-octyl phthalate	280	U
Diallate	140	U
Dibenzo(a,h)anthracene	320	U
Dibenzofuran	140	UR
Diethyl phthalate	140	U
Dimethyl phthalate	[illegible]00	U

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PARAMETER	RESULT	QUAL
Diphenylamine	140	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	140	U
Fluoranthene	140	U
Fluorene	140	U
Hexachlorobenzene	200	U
Hexachlorobutadiene	280	U
Hexachlorocyclopentadiene	2000	U
Hexachloroethane	200	U
Hexachlorophene	32000	U
Hexachloropropene	280	U
Indeno(1,2,3-cd)pyrene	320	U
Isophorone	280	U
Isosafrole	140	UR
Methapyrilene	1000	U
Methyl methanesulfonate	140	U
N-nitroso-di-n-butylamine	140	U
N-nitroso-di-n-propylamine	200	U
N-nitrosodiethylamine	140	U
N-nitrosodimethylamine	200	U
N-nitrosodiphenylamine	140	U
N-nitrosomethylethylamine	140	U
N-nitrosomorpholine	140	U
N-nitrosopiperidine	140	U
N-nitrosopyrrolidine	140	U
Naphthalene	140	U
Nitrobenzene	140	U
o-toluidine	140	UR
p-dimethylaminoazobenzene	280	U
p-phenylenediamine	4000	UR
Pentachlorobenzene	140	U
Pentachloroethane	500	U
Pentachloronitrobenzene	700	UR
Pentachlorophenol	1000	U
Phenacetin	140	U
Phenanthrene	140	U
Phenol	280	U
Pronamide	140	U
Pyrene	140	U
Pyridine	280	U
Safrole	140	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U

PARAMETER	RESULT	QUAL
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	140	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG2F-06 (96) FISH		PINFISH
Inorganics (mg/kg)		
Antimony	4.7	U
Arsenic	2.3	
Barium	0.47	U

PARAMETER	RESULT	QUAL
Beryllium	0.38	U
Cadmium	0.47	U
Chromium	0.94	U
Cobalt	0.94	U
Copper	0.93	
Lead	0.14	U
Mercury	0.02	
Nickel	1.4	U
Selenium	0.24	U
Silver	0.47	U
Thallium	0.19	U
Tin	4.7	U
Vanadium	0.94	U
Zinc	9.8	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.2	
4,4'-DDE	5.4	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	560	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	280	U
1,2,4-trichlorobenzene	400	U
1,2-dichlorobenzene	280	U

PARAMETER	RESULT	QUAL
1,3,5-trinitrobenzene	2800	U
1,3-dichlorobenzene	280	U
1,3-dinitrobenzene	800	U
1,4-dichlorobenzene	280	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	560	UR
1-naphthylamine	560	U
2,3,4,6-tetrachlorophenol	560	U
2,4,5-trichlorophenol	1200	U
2,4,6-trichlorophenol	1200	U
2,4-dichlorophenol	560	U
2,4-dimethylphenol	560	U
2,4-dinitrophenol	5200	U
2,4-dinitrotoluene	560	UR
2,6-dichlorophenol	280	U
2,6-dinitrotoluene	560	U
2-acetylaminofluorene	560	UR
2-chloronaphthalene	280	U
2-chlorophenol	560	U
2-methyl-4,6-dinitrophenol	4000	U
2-methylnaphthalene	400	U
2-methylphenol	560	U
2-naphthylamine	560	U
2-nitroaniline	1200	U
2-nitrophenol	560	U
2-picoline	560	U
3,3'-dichlorobenzidine	2000	U
3,3'-dimethylbenzidine	560	U
3-methylcholanthrene	560	U
3-methylphenol	560	U
3-nitroaniline	1200	U
4-aminobiphenyl	280	U
4-bromophenyl phenyl ether	560	U
4-chloro-3-methylphenol	560	U
4-chloroaniline	1200	U
4-chlorophenyl phenyl ether	400	U
4-methylphenol	560	U
4-nitroaniline	1200	U
4-nitrophenol	2000	UR
4-nitroquinoline-1-oxide	1200	U
5-nitro-o-toluidine	560	U
7,12-dimethylbenz(a)anthracene	560	U
a,a-dimethylphenethylamine	2000	UR
Acenaphthene	280	U
Acenaphthylene	280	U
Acetophenone	280	U
Aniline	560	U
Anthracene	280	U
Aramite	1400	U
Benzo(a)anthracene	400	U

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PARAMETER	RESULT	QUAL
Benzo(a)pyrene	560	U
Benzo(b)fluoranthene	400	U
Benzo(g,h,i)perylene	640	U
Benzo(k)fluoranthene	400	U
Benzyl alcohol	560	U
Bis(2-chloroethoxy)methane	280	U
Bis(2-chloroethyl)ether	280	U
Bis(2-ethylhexyl)phthalate	12000	
Butyl benzyl phthalate	400	U
Chrysene	400	U
Di-n-butyl phthalate	280	U
Di-n-octyl phthalate	560	U
Diallate	280	U
Dibenzo(a,h)anthracene	640	U
Dibenzofuran	280	UR
Diethyl phthalate	280	U
Dimethyl phthalate	400	U
Diphenylamine	280	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	280	U
Fluoranthene	280	U
Fluorene	280	U
Hexachlorobenzene	400	U
Hexachlorobutadiene	560	U
Hexachlorocyclopentadiene	4000	U
Hexachloroethane	400	U
Hexachlorophene	64000	U
Hexachloropropene	560	U
Indeno(1,2,3-cd)pyrene	640	U
Isophorone	560	U
Isosafrole	280	UR
Methapyrilene	2000	U
Methyl methanesulfonate	280	U
N-nitroso-di-n-butylamine	280	U
N-nitroso-di-n-propylamine	400	U
N-nitrosodiethylamine	280	U
N-nitrosodimethylamine	400	U
N-nitrosodiphenylamine	280	U
N-nitrosomethylethylamine	280	U
N-nitrosomorpholine	280	U
N-nitrosopiperidine	280	U
N-nitrosopyrrolidine	280	U
Naphthalene	280	U
Nitrobenzene	280	U
o-toluidine	280	UR
p-dimethylaminoazobenzene	560	U
p-phenylenediamine	8000	UR
Pentachlorobenzene	280	U
Pentachloroethane	500	U
Pentacl obenzene	1400	UR

PARAMETER	RESULT	QUAL
Pentachlorophenol	2000	U
Phenacetin	280	U
Phenanthrene	280	U
Phenol	560	U
Pronamide	280	U
Pyrene	280	U
Pyridine	560	U
Safrole	280	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	280	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U

PARAMETER	RESULT	QUAL
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG2F-07 (96) FISH		**PINFISH**
Inorganics (mg/kg)		
Antimony	4.8	U
Arsenic	0.95	
Barium	0.55	
Beryllium	0.39	U
Cadmium	0.48	U
Chromium	0.97	U
Cobalt	0.97	U
Copper	0.5	
Lead	0.15	U
Mercury	0.02	
Nickel	1.5	U
Selenium	0.24	U
Silver	0.48	U
Thallium	0.19	U
Tin	4.8	U
Vanadium	0.97	U
Zinc	15	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.5	
4,4'-DDE	6.3	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	560	U
delta-BHC	1	U
Dieldrin	1	U

PARAMETER	RESULT	QUAL
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	280	U
1,2,4-trichlorobenzene	400	U
1,2-dichlorobenzene	280	U
1,3,5-trinitrobenzene	2800	U
1,3-dichlorobenzene	280	U
1,3-dinitrobenzene	800	U
1,4-dichlorobenzene	280	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	560	UR
1-naphthylamine	560	U
2,3,4,6-tetrachlorophenol	560	U
2,4,5-trichlorophenol	1200	U
2,4,6-trichlorophenol	1200	U
2,4-dichlorophenol	560	U
2,4-dimethylphenol	560	U
2,4-dinitrophenol	5200	U
2,4-dinitrotoluene	560	UR
2,6-dichlorophenol	280	U
2,6-dinitrotoluene	560	U
2-acetylaminofluorene	560	UR
2-chloronaphthalene	280	U
2-chlorophenol	560	U
2-methyl-4,6-dinitrophenol	4000	U
2-methylnaphthalene	400	U
2-methylphenol	560	U
2-naphthylamine	560	U
2-nitroaniline	1200	U
2-nitrophenol	560	U
2-picoline	560	U
3,3'-dichlorobenzidine	2000	U
3,3'-dimethylbenzidine	560	U
3-methylcholanthrene	560	U
3-methylphenol	560	U
3-nitroaniline	1200	U
4-aminobiphenyl	280	U
4-bromophenyl phenyl ether	90	U

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PARAMETER	RESULT	QUAL
4-chloro-3-methylphenol	560	U
4-chloroaniline	1200	U
4-chlorophenyl phenyl ether	400	U
4-methylphenol	560	U
4-nitroaniline	1200	U
4-nitrophenol	2000	UR
4-nitroquinoline-1-oxide	1200	U
5-nitro-o-toluidine	560	U
7,12-dimethylbenz(a)anthracene	560	U
a,a-dimethylphenethylamine	2000	UR
Acenaphthene	280	U
Acenaphthylene	280	U
Acetophenone	280	U
Aniline	560	U
Anthracene	280	U
Aramite	1400	U
Benzo(a)anthracene	400	U
Benzo(a)pyrene	560	U
Benzo(b)fluoranthene	400	U
Benzo(g,h,i)perylene	640	U
Benzo(k)fluoranthene	400	U
Benzyl alcohol	560	U
Bis(2-chloroethoxy)methane	280	U
Bis(2-chloroethyl)ether	280	U
Bis(2-ethylhexyl)phthalate	400	U
Butyl benzyl phthalate	400	U
Chrysene	400	U
Di-n-butyl phthalate	280	U
Di-n-octyl phthalate	560	U
Diallate	280	U
Dibenzo(a,h)anthracene	640	U
Dibenzofuran	280	UR
Diethyl phthalate	280	U
Dimethyl phthalate	400	U
Diphenylamine	280	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	280	U
Fluoranthene	280	U
Fluorene	280	U
Hexachlorobenzene	400	U
Hexachlorobutadiene	560	U
Hexachlorocyclopentadiene	4000	U
Hexachloroethane	400	U
Hexachlorophene	64000	U
Hexachloropropene	560	U
Indeno(1,2,3-cd)pyrene	640	U
Isophorone	560	U
Isosafrole	280	UR
Methapyrilene	2000	U
Methyl methanesulfonate	280	U

PARAMETER	RESULT	QUAL
N-nitroso-di-n-butylamine	280	U
N-nitroso-di-n-propylamine	400	U
N-nitrosodiethylamine	280	U
N-nitrosodimethylamine	400	U
N-nitrosodiphenylamine	280	U
N-nitrosomethylethylamine	280	U
N-nitrosomorpholine	280	U
N-nitrosopiperidine	280	U
N-nitrosopyrrolidine	280	U
Naphthalene	280	U
Nitrobenzene	280	U
o-toluidine	280	UR
p-dimethylaminoazobenzene	560	U
p-phenylenediamine	8000	UR
Pentachlorobenzene	280	U
Pentachloroethane	500	U
Pentachloronitrobenzene	1400	UR
Pentachlorophenol	2000	U
Phenacetin	280	U
Phenanthrene	280	U
Phenol	560	U
Pronamide	280	U
Pyrene	280	U
Pyridine	560	U
Safrole	280	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	280	U
Bromodichloromethane	500	U
Bromoform	500	U

PARAMETER	RESULT	QUAL
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG2F-08 (96) FISH		**PINFISH**
Inorganics (mg/kg)		
Antimony	4.9	U
Arsenic	2	
Barium	0.61	
Beryllium	0.39	U
Cadmium	0.49	U
Chromium	0.97	U
Cobalt	0.97	U
Copper	0.49	U
Lead	0.15	U
Mercury	0.04	
Nickel	1.5	U
Selenium	0.25	
Silver	0.49	U
Thallium	0.19	U
Tin	4.9	U
Vanadium	0.97	U
Zinc	15.2	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1	U

PARAMETER	RESULT	QUAL
4,4'-DDE	2.2	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	420	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	210	U
1,2,4-trichlorobenzene	300	U
1,2-dichlorobenzene	210	U
1,3,5-trinitrobenzene	2100	U
1,3-dichlorobenzene	210	U
1,3-dinitrobenzene	600	U
1,4-dichlorobenzene	210	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	420	UR
1-naphthylamine	420	U
2,3,4,6-tetrachlorophenol	420	U
2,4,5-trichlorophenol	900	U
2,4,6-trichlorophenol	900	U
2,4-dichlorophenol	420	U
2,4-dimethylphenol	420	U
2,4-dinitrophenol	3900	U
2,4-dinitrotoluene	420	U
2,6-dichlorophenol	210	U
2,6-dinitrotoluene	420	U

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PARAMETER	RESULT	QUAL
2-acetylaminofluorene	420	U
2-chloronaphthalene	210	U
2-chlorophenol	420	U
2-methyl-4,6-dinitrophenol	3000	U
2-methylnaphthalene	300	U
2-methylphenol	420	U
2-naphthylamine	420	U
2-nitroaniline	900	U
2-nitrophenol	420	U
2-picoline	420	U
3,3'-dichlorobenzidine	1500	U
3,3'-dimethylbenzidine	420	U
3-methylcholanthrene	420	U
3-methylphenol	420	U
3-nitroaniline	900	U
4-aminobiphenyl	210	U
4-bromophenyl phenyl ether	420	U
4-chloro-3-methylphenol	420	U
4-chloroaniline	900	U
4-chlorophenyl phenyl ether	300	U
4-methylphenol	420	U
4-nitroaniline	900	U
4-nitrophenol	1500	U
4-nitroquinoline-1-oxide	900	U
5-nitro-o-toluidine	420	U
7,12-dimethylbenz(a)anthracene	420	U
a,a-dimethylphenethylamine	1500	U
Acenaphthene	210	U
Acenaphthylene	210	U
Acetophenone	210	U
Aniline	420	U
Anthracene	210	U
Aramite	1100	U
Benzo(a)anthracene	300	U
Benzo(a)pyrene	420	U
Benzo(b)fluoranthene	300	U
Benzo(g,h,i)perylene	480	U
Benzo(k)fluoranthene	300	U
Benzyl alcohol	420	U
Bis(2-chloroethoxy)methane	210	U
Bis(2-chloroethyl)ether	210	U
Bis(2-ethylhexyl)phthalate	300	U
Butyl benzyl phthalate	300	U
Chrysene	300	U
Di-n-butyl phthalate	210	U
Di-n-octyl phthalate	420	U
Diallate	210	U
Dibenzo(a,h)anthracene	480	U
Dibenzofuran	210	U
Diethyl te	210	U

PARAMETER	RESULT	QUAL
Dimethyl phthalate	300	U
Diphenylamine	210	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	210	U
Fluoranthene	210	U
Fluorene	210	U
Hexachlorobenzene	300	U
Hexachlorobutadiene	420	U
Hexachlorocyclopentadiene	3000	U
Hexachloroethane	300	U
Hexachlorophene	48000	U
Hexachloropropene	420	U
Indeno(1,2,3-cd)pyrene	480	U
Isophorone	420	U
Isosafrole	210	U
Methapyrilene	1500	U
Methyl methanesulfonate	210	U
N-nitroso-di-n-butylamine	210	U
N-nitroso-di-n-propylamine	300	U
N-nitrosodiethylamine	210	U
N-nitrosodimethylamine	300	U
N-nitrosodiphenylamine	210	U
N-nitrosomethylethylamine	210	U
N-nitrosomorpholine	210	U
N-nitrosopiperidine	210	U
N-nitrosopyrrolidine	210	U
Naphthalene	210	U
Nitrobenzene	210	U
o-toluidine	210	U
p-dimethylaminoazobenzene	420	U
p-phenylenediamine	6000	U
Pentachlorobenzene	210	U
Pentachloroethane	500	U
Pentachloronitrobenzene	1100	U
Pentachlorophenol	1500	U
Phenacetin	210	U
Phenanthrene	210	U
Phenol	420	U
Pronamide	210	U
Pyrene	210	U
Pyridine	420	U
Safrole	210	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U

PARAMETER	RESULT	QUAL
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	210	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG2F-09 (96) FISH		PINFISH
Inorganics (mg/kg)		
Antimony	5	U
Arsenic	2	

PARAMETER	RESULT	QUAL
Barium	1.2	
Beryllium	0.4	U
Cadmium	0.5	U
Chromium	1	U
Cobalt	1	U
Copper	0.5	U
Lead	0.15	U
Mercury	0.03	
Nickel	1.5	U
Selenium	0.25	U
Silver	0.5	U
Thallium	0.2	U
Tin	5	U
Vanadium	1	U
Zinc	13.7	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	2.5	
4,4'-DDE	12.1	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	2.1	
Chlordane	5	U
Chlorobenzilate	280	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	140	U
1,2,4-trichlorobenzene	200	U

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PARAMETER	RESULT	QUAL
1,2-dichlorobenzene	140	U
1,3,5-trinitrobenzene	1400	U
1,3-dichlorobenzene	140	U
1,3-dinitrobenzene	400	U
1,4-dichlorobenzene	140	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	280	UR
1-naphthylamine	280	U
2,3,4,6-tetrachlorophenol	280	U
2,4,5-trichlorophenol	600	U
2,4,6-trichlorophenol	600	U
2,4-dichlorophenol	280	U
2,4-dimethylphenol	280	U
2,4-dinitrophenol	2600	U
2,4-dinitrotoluene	280	UR
2,6-dichlorophenol	140	U
2,6-dinitrotoluene	280	U
2-acetylaminofluorene	280	UR
2-chloronaphthalene	140	U
2-chlorophenol	280	U
2-methyl-4,6-dinitrophenol	2000	U
2-methylnaphthalene	200	U
2-methylphenol	280	U
2-naphthylamine	280	U
2-nitroaniline	600	U
2-nitrophenol	280	U
2-picoline	280	U
3,3'-dichlorobenzidine	1000	U
3,3'-dimethylbenzidine	280	U
3-methylcholanthrene	280	U
3-methylphenol	280	U
3-nitroaniline	600	U
4-aminobiphenyl	140	U
4-bromophenyl phenyl ether	280	U
4-chloro-3-methylphenol	280	U
4-chloroaniline	600	U
4-chlorophenyl phenyl ether	200	U
4-methylphenol	280	U
4-nitroaniline	600	U
4-nitrophenol	1000	UR
4-nitroquinoline-1-oxide	600	U
5-nitro-o-toluidine	280	U
7,12-dimethylbenz(a)anthracene	280	U
a,a-dimethylphenethylamine	1000	UR
Acenaphthene	140	U
Acenaphthylene	140	U
Acetophenone	140	U
Aniline	280	U
Anthracene	140	U
Aramite	720	U

PARAMETER	RESULT	QUAL
Benzo(a)anthracene	200	U
Benzo(a)pyrene	280	U
Benzo(b)fluoranthene	200	U
Benzo(g,h,i)perylene	320	U
Benzo(k)fluoranthene	200	U
Benzyl alcohol	280	U
Bis(2-chloroethoxy)methane	140	U
Bis(2-chloroethyl)ether	140	U
Bis(2-ethylhexyl)phthalate	200	U
Butyl benzyl phthalate	200	U
Chrysene	200	U
Di-n-butyl phthalate	140	U
Di-n-octyl phthalate	280	U
Diallate	140	U
Dibenzo(a,h)anthracene	320	U
Dibenzofuran	140	UR
Diethyl phthalate	140	U
Dimethyl phthalate	200	U
Diphenylamine	140	U
Ethyl methacrylate	500	UJ
Ethyl methanesulfonate	140	U
Fluoranthene	140	U
Fluorene	140	U
Hexachlorobenzene	200	U
Hexachlorobutadiene	280	U
Hexachlorocyclopentadiene	2000	U
Hexachloroethane	200	U
Hexachlorophene	32000	U
Hexachloropropene	280	U
Indeno(1,2,3-cd)pyrene	320	U
Isophorone	280	U
Isosafrole	140	UR
Methapyrilene	1000	U
Methyl methanesulfonate	140	U
N-nitroso-di-n-butylamine	140	U
N-nitroso-di-n-propylamine	200	U
N-nitrosodiethylamine	140	U
N-nitrosodimethylamine	200	U
N-nitrosodiphenylamine	140	U
N-nitrosomethylethylamine	140	U
N-nitrosomorpholine	140	U
N-nitrosopiperidine	140	U
N-nitrosopyrrolidine	140	U
Naphthalene	140	U
Nitrobenzene	140	U
o-toluidine	140	UR
p-dimethylaminoazobenzene	280	U
p-phenylenediamine	4000	UR
Pentachlorobenzene	140	U
Pentachloroethane	500	UJ

PARAMETER	RESULT	QUAL
Pentachloronitrobenzene	700	UR
Pentachlorophenol	1000	U
Phenacetin	140	U
Phenanthrene	140	U
Phenol	280	U
Pronamide	140	U
Pyrene	140	U
Pyridine	280	U
Safrole	140	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	UJ
1,1,1-trichloroethane	500	UJ
1,1,2,2-tetrachloroethane	500	UJ
1,1,2-trichloroethane	500	UJ
1,1-dichloroethane	500	UJ
1,1-dichloroethene	500	UJ
1,2,3-trichloropropane	500	UJ
1,2-dibromo-3-chloropropane	1000	UJ
1,2-dibromoethane	500	UJ
1,2-dichloroethane	500	UJ
1,2-dichloropropane	500	UJ
2-butanone	2000	UJ
2-chloro-1,3-butadiene	1000	UJ
2-hexanone	2000	UJ
3-chloropropene	5000	UJ
4-methyl-2-pentanone	2000	UJ
Acetone	1000	UJ
Acetonitrile	5000	UJ
Acrolein	1000	UJ
Acrylonitrile	1000	UJ
Benzene	500	UJ
Bis(2-chloroisopropyl)ether	140	U
Bromodichloromethane	500	UJ
Bromoform	500	UJ
Bromomethane	1000	UJ
Carbon disulfide	500	UJ
Carbon tetrachloride	500	UJ
Chlorobenzene	500	UJ
Chloroethane	2000	UJ
Chloroform	500	UJ
Chloromethane	1000	UJ
Cis-1,3-dichloropropene	500	UJ
Dibromochloromethane	500	UJ
Dibromomethane	500	UJ
Dichlorodifluoromethane	500	UJ
Ethyl cyanide	500	UJ
Ethylbenzene	500	UJ
Iodomethane	500	UJ
Isobutanol	10000	UR
Methacrylonitrile	500	UJ

PARAMETER	RESULT	QUAL
Methyl methacrylate	500	UJ
Methylene chloride	500	UJ
Styrene	500	UJ
Tetrachloroethene	500	UJ
Toluene	500	UJ
Trans-1,2-dichloroethene	500	UJ
Trans-1,3-dichloropropene	500	UJ
Trans-1,4-dichloro-2-butene	500	UJ
Trichloroethene	500	UJ
Trichlorofluoromethane	500	UJ
Vinyl acetate	1000	UJ
Vinyl chloride	1000	UJ
Xylenes, total	500	UJ
BG2F-10 (96) FISH		**SAILFIN MOLLY**
Inorganics (mg/kg)		
Antimony	5	U
Arsenic	0.89	
Barium	3.8	
Beryllium	0.4	U
Cadmium	0.5	U
Chromium	0.99	U
Cobalt	0.99	U
Copper	5.9	
Lead	0.24	
Mercury	0.02	
Nickel	1.5	U
Selenium	0.25	U
Silver	0.5	U
Thallium	0.2	U
Tin	5	U
Vanadium	0.99	U
Zinc	13.6	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	4.2	
4,4'-DDE	10.3	
4,4'-DDT	2	
Aldrin	1.5	U
alpha-BHC	1.5	U
alpha-chlordane	1.5	U
Aroclor-1016	31	U
Aroclor-1221	31	U
Aroclor-1232	31	U
Aroclor-1242	31	U
Aroclor-1248	31	U
Aroclor-1254	31	U
Aroclor-1260	31	U
beta-BHC	1.5	U
Chlordane	7.7	U
Chlorobenzilate	560	U
delta-BHC	1.5	U

Keywest MOD01 Supplemental RFI/RI Background Samples
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PARAMETER	RESULT	QUAL
Dieldrin	1.9	
Endosulfan I	1.5	U
Endosulfan II	1.5	U
Endosulfan sulfate	1.5	U
Endrin	1.5	U
Endrin aldehyde	1.5	U
gamma-BHC (lindane)	1.5	U
gamma-chlordane	1.5	U
Heptachlor	1.5	U
Heptachlor epoxide	1.5	U
Isodrin	1.5	U
Kepone	308	UJ
Methoxychlor	1.5	U
Toxaphene	154	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	280	U
1,2,4-trichlorobenzene	400	U
1,2-dichlorobenzene	280	U
1,3,5-trinitrobenzene	2800	U
1,3-dichlorobenzene	280	U
1,3-dinitrobenzene	800	U
1,4-dichlorobenzene	280	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	560	UR
1-naphthylamine	560	U
2,3,4,6-tetrachlorophenol	560	U
2,4,5-trichlorophenol	1200	U
2,4,6-trichlorophenol	1200	U
2,4-dichlorophenol	560	U
2,4-dimethylphenol	560	U
2,4-dinitrophenol	5200	U
2,4-dinitrotoluene	560	UR
2,6-dichlorophenol	280	U
2,6-dinitrotoluene	560	U
2-acetylaminofluorene	560	UR
2-chloronaphthalene	280	U
2-chlorophenol	560	U
2-methyl-4,6-dinitrophenol	4000	U
2-methylnaphthalene	400	U
2-methylphenol	560	U
2-naphthylamine	560	U
2-nitroaniline	1200	U
2-nitrophenol	560	U
2-picoline	560	U
3,3'-dichlorobenzidine	2000	U
3,3'-dimethylbenzidine	560	U
3-methylcholanthrene	560	U
3-methylphenol	560	U
3-nitroaniline	1200	U
4-amino[illegible]yl	280	U

PARAMETER	RESULT	QUAL
4-bromophenyl phenyl ether	560	U
4-chloro-3-methylphenol	560	U
4-chloroaniline	1200	U
4-chlorophenyl phenyl ether	400	U
4-methylphenol	560	U
4-nitroaniline	1200	U
4-nitrophenol	2000	UR
4-nitroquinoline-1-oxide	1200	U
5-nitro-o-toluidine	560	U
7,12-dimethylbenz(a)anthracene	560	U
a,a-dimethylphenethylamine	2000	UR
Acenaphthene	280	U
Acenaphthylene	280	U
Acetophenone	280	U
Aniline	560	U
Anthracene	280	U
Aramite	1400	U
Benzo(a)anthracene	400	U
Benzo(a)pyrene	560	U
Benzo(b)fluoranthene	400	U
Benzo(g,h,i)perylene	640	U
Benzo(k)fluoranthene	400	U
Benzyl alcohol	560	U
Bis(2-chloroethoxy)methane	280	U
Bis(2-chloroethyl)ether	280	U
Bis(2-ethylhexyl)phthalate	6300	
Butyl benzyl phthalate	400	U
Chrysene	400	U
Di-n-butyl phthalate	280	U
Di-n-octyl phthalate	560	U
Diallate	280	U
Dibenzo(a,h)anthracene	640	U
Dibenzofuran	280	UR
Diethyl phthalate	280	U
Dimethyl phthalate	400	U
Diphenylamine	280	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	280	U
Fluoranthene	280	U
Fluorene	280	U
Hexachlorobenzene	400	U
Hexachlorobutadiene	560	U
Hexachlorocyclopentadiene	4000	U
Hexachloroethane	400	U
Hexachlorophene	64000	U
Hexachloropropene	560	U
Indeno(1,2,3-cd)pyrene	640	U
Isophorone	560	U
Isosafrole	280	UR
Methapyrilene	2000	U

PARAMETER	RESULT	QUAL
Methyl methanesulfonate	280	U
N-nitroso-di-n-butylamine	280	U
N-nitroso-di-n-propylamine	400	U
N-nitrosodiethylamine	280	U
N-nitrosodimethylamine	400	U
N-nitrosodiphenylamine	280	U
N-nitrosomethylethylamine	280	U
N-nitrosomorpholine	280	U
N-nitrosopiperidine	280	U
N-nitrosopyrrolidine	280	U
Naphthalene	280	U
Nitrobenzene	280	U
o-toluidine	280	UR
p-dimethylaminoazobenzene	560	U
p-phenylenediamine	8000	UR
Pentachlorobenzene	280	U
Pentachloroethane	500	U
Pentachloronitrobenzene	1400	UR
Pentachlorophenol	2000	U
Phenacetin	280	U
Phenanthrene	280	U
Phenol	560	U
Pronamide	280	U
Pyrene	280	U
Pyridine	560	U
Safrole	280	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	280	U
Bromodichloromethane	500	U

PARAMETER	RESULT	QUAL
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG2F-04 (96) FISH		**SEA ROBIN**
Inorganics (mg/kg)		
Antimony	4.7	U
Arsenic	0.57	
Barium	0.47	U
Beryllium	0.37	U
Cadmium	0.47	U
Chromium	0.93	U
Cobalt	0.93	U
Copper	0.47	U
Lead	0.14	U
Mercury	0.04	
Nickel	1.4	U
Selenium	0.23	U
Silver	0.47	U
Thallium	0.19	U
Tin	4.7	U
Vanadium	0.93	U
Zinc	13.6	

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PARAMETER	RESULT	QUAL
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1	U
4,4'-DDE	2.4	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	280	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	140	U
1,2,4-trichlorobenzene	200	U
1,2-dichlorobenzene	140	U
1,3,5-trinitrobenzene	1400	U
1,3-dichlorobenzene	140	U
1,3-dinitrobenzene	400	U
1,4-dichlorobenzene	140	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	280	UR
1-naphthylamine	280	U
2,3,4,6-tetrachlorophenol	280	U
2,4,5-trichlorophenol	600	U
2,4,6-trichlorophenol	600	U
2,4-dichlorophenol	280	U
2,4-dimethylphenol	280	U
2,4-dinitrophenol	2600	U
2,4-dinitrotoluene	280	UR

PARAMETER	RESULT	QUAL
2,6-dichlorophenol	140	U
2,6-dinitrotoluene	280	U
2-acetylaminofluorene	280	UR
2-chloronaphthalene	140	U
2-chlorophenol	280	U
2-methyl-4,6-dinitrophenol	2000	U
2-methylnaphthalene	200	U
2-methylphenol	280	U
2-naphthylamine	280	U
2-nitroaniline	600	U
2-nitrophenol	280	U
2-picoline	280	U
3,3'-dichlorobenzidine	1000	U
3,3'-dimethylbenzidine	280	U
3-methylcholanthrene	280	U
3-methylphenol	280	U
3-nitroaniline	600	U
4-aminobiphenyl	140	U
4-bromophenyl phenyl ether	280	U
4-chloro-3-methylphenol	280	U
4-chloroaniline	600	U
4-chlorophenyl phenyl ether	200	U
4-methylphenol	280	U
4-nitroaniline	600	U
4-nitrophenol	1000	UR
4-nitroquinoline-1-oxide	600	U
5-nitro-o-toluidine	280	U
7,12-dimethylbenz(a)anthracene	280	U
a,a-dimethylphenethylamine	1000	UR
Acenaphthene	140	U
Acenaphthylene	140	U
Acetophenone	140	U
Aniline	280	U
Anthracene	140	U
Aramite	720	U
Benzo(a)anthracene	200	U
Benzo(a)pyrene	280	U
Benzo(b)fluoranthene	200	U
Benzo(g,h,i)perylene	320	U
Benzo(k)fluoranthene	200	U
Benzyl alcohol	280	U
Bis(2-chloroethoxy)methane	140	U
Bis(2-chloroethyl)ether	140	U
Bis(2-ethylhexyl)phthalate	200	U
Butyl benzyl phthalate	200	U
Chrysene	200	U
Di-n-butyl phthalate	140	U
Di-n-octyl phthalate	280	U
Diallate	140	U
Dibenzo(a,h)anthracene	320	U

PARAMETER	RESULT	QUAL
Dibenzofuran	140	UR
Diethyl phthalate	140	U
Dimethyl phthalate	200	U
Diphenylamine	140	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	140	U
Fluoranthene	140	U
Fluorene	140	U
Hexachlorobenzene	200	U
Hexachlorobutadiene	280	U
Hexachlorocyclopentadiene	2000	U
Hexachloroethane	200	U
Hexachlorophene	32000	U
Hexachloropropene	280	U
Indeno(1,2,3-cd)pyrene	320	U
Isophorone	280	U
Isosafrole	140	UR
Methapyrilene	1000	U
Methyl methanesulfonate	140	U
N-nitroso-di-n-butylamine	140	U
N-nitroso-di-n-propylamine	200	U
N-nitrosodiethylamine	140	U
N-nitrosodimethylamine	200	U
N-nitrosodiphenylamine	140	U
N-nitrosomethylethylamine	140	U
N-nitrosomorpholine	140	U
N-nitrosopiperidine	140	U
N-nitrosopyrrolidine	140	U
Naphthalene	140	U
Nitrobenzene	140	U
o-toluidine	140	UR
p-dimethylaminoazobenzene	280	U
p-phenylenediamine	4000	UR
Pentachlorobenzene	140	U
Pentachloroethane	500	U
Pentachloronitrobenzene	700	UR
Pentachlorophenol	1000	U
Phenacetin	140	U
Phenanthrene	140	U
Phenol	280	U
Pronamide	140	U
Pyrene	140	U
Pyridine	280	U
Safrole	140	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U

PARAMETER	RESULT	QUAL
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	140	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U

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PARAMETER	RESULT	QUAL
BG3		
BG3F-03 (96) FISH	FUNDULUS SPP	
Inorganics (mg/kg)		
Antimony	4.9	U
Arsenic	7.2	
Barium	0.49	U
Beryllium	0.39	U
Cadmium	0.49	U
Chromium	0.98	U
Cobalt	0.98	U
Copper	1.7	
Lead	0.54	
Mercury	0.03	
Nickel	1.5	U
Selenium	0.64	
Silver	0.49	U
Thallium	0.2	U
Tin	4.9	U
Vanadium	0.98	U
Zinc	39.2	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	14	
4,4'-DDE	90.1	
4,4'-DDT	1.2	U
Aldrin	1.2	U
alpha-BHC	1.2	U
alpha-chlordane	1.2	U
Aroclor-1016	24	U
Aroclor-1221	24	U
Aroclor-1232	24	U
Aroclor-1242	24	U
Aroclor-1248	24	U
Aroclor-1254	24	U
Aroclor-1260	124	
beta-BHC	1.2	U
Chlordane	5.9	U
Chlorobenzilate	280	U
delta-BHC	1.2	U
Dieldrin	1.2	U
Endosulfan I	1.2	U
Endosulfan II	1.9	
Endosulfan sulfate	1.2	U
Endrin	1.2	U
Endrin aldehyde	1.2	U
gamma-BHC (lindane)	1.2	U
gamma-chlordane	1.2	U
Heptachlor	1.2	U
Heptachlor epoxide	1.2	U
Isodrin	1.2	U
Kepone	235	UJ

PARAMETER	RESULT	QUAL
Methoxychlor	1.2	U
Toxaphene	118	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	140	U
1,2,4-trichlorobenzene	200	U
1,2-dichlorobenzene	140	U
1,3,5-trinitrobenzene	1400	U
1,3-dichlorobenzene	140	U
1,3-dinitrobenzene	400	U
1,4-dichlorobenzene	140	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	280	UR
1-naphthylamine	280	U
2,3,4,6-tetrachlorophenol	280	U
2,4,5-trichlorophenol	600	U
2,4,6-trichlorophenol	600	U
2,4-dichlorophenol	280	U
2,4-dimethylphenol	280	U
2,4-dinitrophenol	2600	U
2,4-dinitrotoluene	280	UR
2,6-dichlorophenol	140	U
2,6-dinitrotoluene	280	U
2-acetylaminofluorene	280	UR
2-chloronaphthalene	140	U
2-chlorophenol	280	U
2-methyl-4,6-dinitrophenol	2000	U
2-methylnaphthalene	200	U
2-methylphenol	280	U
2-naphthylamine	280	U
2-nitroaniline	600	U
2-nitrophenol	280	U
2-picoline	280	U
3,3'-dichlorobenzidine	1000	U
3,3'-dimethylbenzidine	280	U
3-methylcholanthrene	280	U
3-methylphenol	280	U
3-nitroaniline	600	U
4-aminobiphenyl	140	U
4-bromophenyl phenyl ether	280	U
4-chloro-3-methylphenol	280	U
4-chloroaniline	600	U
4-chlorophenyl phenyl ether	200	U
4-methylphenol	280	U
4-nitroaniline	600	U
4-nitrophenol	1000	UR
4-nitroquinoline-1-oxide	600	U
5-nitro-o-toluidine	280	U
7,12-dimethylbenz(a)anthracene	280	U
a,a-dimethylphenethylamine	1000	UR
Acenaphthene	140	U

PARAMETER	RESULT	QUAL
Acenaphthylene	140	U
Acetophenone	140	U
Aniline	280	U
Anthracene	140	U
Aramite	720	U
Benzo(a)anthracene	200	U
Benzo(a)pyrene	280	U
Benzo(b)fluoranthene	200	U
Benzo(g,h,i)perylene	320	U
Benzo(k)fluoranthene	200	U
Benzyl alcohol	280	U
Bis(2-chloroethoxy)methane	140	U
Bis(2-chloroethyl)ether	140	U
Bis(2-ethylhexyl)phthalate	1600	
Butyl benzyl phthalate	200	U
Chrysene	200	U
Di-n-butyl phthalate	140	U
Di-n-octyl phthalate	280	U
Diallate	140	U
Dibenzo(a,h)anthracene	320	U
Dibenzofuran	140	UR
Diethyl phthalate	140	U
Dimethyl phthalate	200	U
Diphenylamine	140	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	140	U
Fluoranthene	140	U
Fluorene	140	U
Hexachlorobenzene	200	U
Hexachlorobutadiene	280	U
Hexachlorocyclopentadiene	2000	U
Hexachloroethane	200	U
Hexachlorophene	32000	U
Hexachloropropene	280	U
Indeno(1,2,3-cd)pyrene	320	U
Isophorone	280	U
Isosafrole	140	UR
Methapyrilene	1000	U
Methyl methanesulfonate	140	U
N-nitroso-di-n-butylamine	140	U
N-nitroso-di-n-propylamine	200	U
N-nitrosodiethylamine	140	U
N-nitrosodimethylamine	200	U
N-nitrosodiphenylamine	140	U
N-nitrosomethylethylamine	140	U
N-nitrosomorpholine	140	U
N-nitrosopiperidine	140	U
N-nitrosopyrrolidine	140	U
Naphthalene	140	U
Nitrobenzene	140	U

PARAMETER	RESULT	QUAL
o-toluidine	140	UR
p-dimethylaminoazobenzene	280	U
p-phenylenediamine	4000	UR
Pentachlorobenzene	140	U
Pentachloroethane	500	U
Pentachloronitrobenzene	700	UR
Pentachlorophenol	1000	U
Phenacetin	140	U
Phenanthrene	140	U
Phenol	280	U
Pronamide	140	U
Pyrene	140	U
Pyridine	280	U
Safrole	140	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	140	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	70	U

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PARAMETER	RESULT	QUAL
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG3F-04 (96) FISH	FUNDULUS SPP	
Inorganics (mg/kg)		
Antimony	4.8	U
Arsenic	4.3	
Barium	0.48	U
Beryllium	0.39	U
Cadmium	0.48	U
Chromium	0.97	U
Cobalt	0.97	U
Copper	1.6	
Lead	0.8	
Mercury	0.02	
Nickel	1.5	U
Selenium	0.59	
Silver	0.48	U
Thallium	0.19	U
Tin	4.8	U
Vanadium	0.97	U
Zinc	29.8	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	8.8	
4,4'-DDE	89.3	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U

PARAMETER	RESULT	QUAL
Aroclor-1260	39	
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	560	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	280	U
1,2,4-trichlorobenzene	400	U
1,2-dichlorobenzene	280	U
1,3,5-trinitrobenzene	2800	U
1,3-dichlorobenzene	280	U
1,3-dinitrobenzene	800	U
1,4-dichlorobenzene	280	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	560	UR
1-naphthylamine	560	U
2,3,4,6-tetrachlorophenol	560	U
2,4,5-trichlorophenol	1200	U
2,4,6-trichlorophenol	1200	U
2,4-dichlorophenol	560	U
2,4-dimethylphenol	560	U
2,4-dinitrophenol	5200	U
2,4-dinitrotoluene	560	UR
2,6-dichlorophenol	280	U
2,6-dinitrotoluene	560	U
2-acetylaminofluorene	560	UR
2-chloronaphthalene	280	U
2-chlorophenol	560	U
2-methyl-4,6-dinitrophenol	4000	U
2-methylnaphthalene	400	U
2-methylphenol	560	U
2-naphthylamine	560	U
2-nitroaniline	1200	U
2-nitrophenol	560	U
2-picoline	560	U
3,3'-dichlorobenzidine	2000	U

PARAMETER	RESULT	QUAL
3,3'-dimethylbenzidine	560	U
3-methylcholanthrene	560	U
3-methylphenol	560	U
3-nitroaniline	1200	U
4-aminobiphenyl	280	U
4-bromophenyl phenyl ether	560	U
4-chloro-3-methylphenol	560	U
4-chloroaniline	1200	U
4-chlorophenyl phenyl ether	400	U
4-methylphenol	560	U
4-nitroaniline	1200	U
4-nitrophenol	2000	UR
4-nitroquinoline-1-oxide	1200	U
5-nitro-o-toluidine	560	U
7,12-dimethylbenz(a)anthracene	560	U
a,a-dimethylphenethylamine	2000	UR
Acenaphthene	280	U
Acenaphthylene	280	U
Acetophenone	280	U
Aniline	560	U
Anthracene	280	U
Aramite	1400	U
Benzo(a)anthracene	400	U
Benzo(a)pyrene	560	U
Benzo(b)fluoranthene	400	U
Benzo(g,h,i)perylene	640	U
Benzo(k)fluoranthene	400	U
Benzyl alcohol	560	U
Bis(2-chloroethoxy)methane	280	U
Bis(2-chloroethyl)ether	280	U
Bis(2-ethylhexyl)phthalate	13000	
Butyl benzyl phthalate	400	U
Chrysene	400	U
Di-n-butyl phthalate	280	U
Di-n-octyl phthalate	560	U
Diallate	280	U
Dibenzo(a,h)anthracene	640	U
Dibenzofuran	280	UR
Diethyl phthalate	280	U
Dimethyl phthalate	400	U
Diphenylamine	280	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	280	U
Fluoranthene	280	U
Fluorene	280	U
Hexachlorobenzene	400	U
Hexachlorobutadiene	560	U
Hexachlorocyclopentadiene	4000	U
Hexachloroethane	400	U
Hexachlorophene	64000	U

PARAMETER	RESULT	QUAL
Hexachloropropene	560	U
Indeno(1,2,3-cd)pyrene	640	U
Isophorone	560	U
Isosafrole	280	UR
Methapyrilene	2000	U
Methyl methanesulfonate	280	U
N-nitroso-di-n-butylamine	280	U
N-nitroso-di-n-propylamine	400	U
N-nitrosodiethylamine	280	U
N-nitrosodimethylamine	400	U
N-nitrosodiphenylamine	280	U
N-nitrosomethylethylamine	280	U
N-nitrosomorpholine	280	U
N-nitrosopiperidine	280	U
N-nitrosopyrrolidine	280	U
Naphthalene	280	U
Nitrobenzene	280	U
o-toluidine	280	UR
p-dimethylaminoazobenzene	560	U
p-phenylenediamine	8000	UR
Pentachlorobenzene	280	U
Pentachloroethane	500	U
Pentachloronitrobenzene	1400	UR
Pentachlorophenol	2000	U
Phenacetin	280	U
Phenanthrene	280	U
Phenol	1500	D
Pronamide	280	U
Pyrene	280	U
Pyridine	560	U
Safrole	280	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U

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PARAMETER	RESULT	QUAL
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	280	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG3F-08 (96) FISH		**FUNDULUS SPP**
Inorganics (mg/kg)		
Antimony	4.7	U
Arsenic	7	
Barium	0.47	U
Beryllium	0.38	U
Cadmium	0.47	U
Chromium	0.94	U
Cobalt	0.94	U
Copper	1.5	
Lead	0.62	
Mercury	0.02	
Nickel	1.4	U
Selenium	0.26	
Silver	0.47	U

PARAMETER	RESULT	QUAL
Thallium	0.19	U
Tin	4.7	U
Vanadium	0.94	U
Zinc	30.3	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	13.5	
4,4'-DDE	106	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	48	
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	560	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	280	U
1,2,4-trichlorobenzene	400	U
1,2-dichlorobenzene	280	U
1,3,5-trinitrobenzene	2800	U
1,3-dichlorobenzene	280	U
1,3-dinitrobenzene	800	U
1,4-dichlorobenzene	280	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	560	UR
1-naphthylamine	560	U
2,3,4,6-tetrachlorophenol	560	U
2,4,5-trichlorophenol	1200	U
2,4,6-trichlorophenol	1200	U

PARAMETER	RESULT	QUAL
2,4-dichlorophenol	560	U
2,4-dimethylphenol	560	U
2,4-dinitrophenol	5200	U
2,4-dinitrotoluene	560	UR
2,6-dichlorophenol	280	U
2,6-dinitrotoluene	560	U
2-acetylaminofluorene	560	UR
2-chloronaphthalene	280	U
2-chlorophenol	560	U
2-methyl-4,6-dinitrophenol	4000	U
2-methylnaphthalene	400	U
2-methylphenol	560	U
2-naphthylamine	560	U
2-nitroaniline	1200	U
2-nitrophenol	560	U
2-picoline	560	U
3,3'-dichlorobenzidine	2000	U
3,3'-dimethylbenzidine	560	U
3-methylcholanthrene	560	U
3-methylphenol	560	U
3-nitroaniline	1200	U
4-aminobiphenyl	280	U
4-bromophenyl phenyl ether	560	U
4-chloro-3-methylphenol	560	U
4-chloroaniline	1200	U
4-chlorophenyl phenyl ether	400	U
4-methylphenol	560	U
4-nitroaniline	1200	U
4-nitrophenol	2000	UR
4-nitroquinoline-1-oxide	1200	U
5-nitro-o-toluidine	560	U
7,12-dimethylbenz(a)anthracene	560	U
a,a-dimethylphenethylamine	2000	UR
Acenaphthene	280	U
Acenaphthylene	280	U
Acetophenone	280	U
Aniline	560	U
Anthracene	280	U
Aramite	1400	U
Benzo(a)anthracene	400	U
Benzo(a)pyrene	560	U
Benzo(b)fluoranthene	400	U
Benzo(g,h,i)perylene	640	U
Benzo(k)fluoranthene	400	U
Benzyl alcohol	560	U
Bis(2-chloroethoxy)methane	280	U
Bis(2-chloroethyl)ether	280	U
Bis(2-ethylhexyl)phthalate	400	U
Butyl benzyl phthalate	400	U
Chrysene	400	U

PARAMETER	RESULT	QUAL
Di-n-butyl phthalate	280	U
Di-n-octyl phthalate	560	U
Diallate	280	U
Dibenzo(a,h)anthracene	640	U
Dibenzofuran	280	UR
Diethyl phthalate	280	U
Dimethyl phthalate	400	U
Diphenylamine	280	U
Ethyl methacrylate	500	UJ
Ethyl methanesulfonate	280	U
Fluoranthene	280	U
Fluorene	280	U
Hexachlorobenzene	400	U
Hexachlorobutadiene	560	U
Hexachlorocyclopentadiene	4000	U
Hexachloroethane	400	U
Hexachlorophene	64000	U
Hexachloropropene	560	U
Indeno(1,2,3-cd)pyrene	640	U
Isophorone	560	U
Isosafrole	280	UR
Methapyrilene	2000	U
Methyl methanesulfonate	280	U
N-nitroso-di-n-butylamine	280	U
N-nitroso-di-n-propylamine	400	U
N-nitrosodiethylamine	280	U
N-nitrosodimethylamine	400	U
N-nitrosodiphenylamine	280	U
N-nitrosomethylethylamine	280	U
N-nitrosomorpholine	280	U
N-nitrosopiperidine	280	U
N-nitrosopyrrolidine	280	U
Naphthalene	280	U
Nitrobenzene	280	U
o-toluidine	280	UR
p-dimethylaminoazobenzene	560	U
p-phenylenediamine	8000	UR
Pentachlorobenzene	280	U
Pentachloroethane	500	UJ
Pentachloronitrobenzene	1400	UR
Pentachlorophenol	2000	U
Phenacetin	280	U
Phenanthrene	280	U
Phenol	1500	
Pronamide	280	U
Pyrene	280	U
Pyridine	560	U
Safrole	280	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	00	UJ

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PARAMETER	RESULT	QUAL
1,1,1-trichloroethane	500	UJ
1,1,2,2-tetrachloroethane	500	UJ
1,1,2-trichloroethane	500	UJ
1,1-dichloroethane	500	UJ
1,1-dichloroethene	500	UJ
1,2,3-trichloropropane	500	UJ
1,2-dibromo-3-chloropropane	1000	UJ
1,2-dibromoethane	500	UJ
1,2-dichloroethane	500	UJ
1,2-dichloropropane	500	UJ
2-butanone	2000	UJ
2-chloro-1,3-butadiene	1000	UJ
2-hexanone	2000	UJ
3-chloropropene	5000	UJ
4-methyl-2-pentanone	2000	UJ
Acetone	1000	UJ
Acetonitrile	5000	UJ
Acrolein	1000	UJ
Acrylonitrile	1000	UJ
Benzene	500	UJ
Bis(2-chloroisopropyl)ether	280	U
Bromodichloromethane	500	UJ
Bromoform	500	UJ
Bromomethane	1000	UJ
Carbon disulfide	500	UJ
Carbon tetrachloride	500	UJ
Chlorobenzene	500	UJ
Chloroethane	2000	UJ
Chloroform	500	UJ
Chloromethane	1000	UJ
Cis-1,3-dichloropropene	500	UJ
Dibromochloromethane	500	UJ
Dibromomethane	500	UJ
Dichlorodifluoromethane	500	UJ
Ethyl cyanide	500	UJ
Ethylbenzene	500	UJ
Iodomethane	500	UJ
Isobutanol	10000	UR
Methacrylonitrile	500	UJ
Methyl methacrylate	500	UJ
Methylene chloride	500	UJ
Styrene	500	UJ
Tetrachloroethene	500	UJ
Toluene	500	UJ
Trans-1,2-dichloroethene	500	UJ
Trans-1,3-dichloropropene	500	UJ
Trans-1,4-dichloro-2-butene	500	UJ
Trichloroethene	500	UJ
Trichlorofluoromethane	500	UJ
Vinyl acetate	1000	UJ

PARAMETER	RESULT	QUAL
Vinyl chloride	1000	UJ
Xylenes, total	500	UJ
BG3F-10 (96) FISH		**FUNDULUS SPP**
Inorganics (mg/kg)		
Antimony	4.6	U
Arsenic	6.1	J
Barium	0.46	U
Beryllium	0.37	U
Cadmium	0.46	U
Chromium	1	
Cobalt	0.93	U
Copper	22.6	
Lead	0.48	
Mercury	0.04	J
Nickel	1.4	U
Selenium	0.45	
Silver	0.46	U
Thallium	0.19	U
Tin	4.6	U
Vanadium	0.93	U
Zinc	29	J
Pesticides/PCBs (µg/kg)		
4,4'-DDD	7.6	
4,4'-DDE	27.6	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	280	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U

PARAMETER	RESULT	QUAL
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	140	U
1,2,4-trichlorobenzene	200	U
1,2-dichlorobenzene	140	U
1,3,5-trinitrobenzene	1400	U
1,3-dichlorobenzene	140	U
1,3-dinitrobenzene	400	U
1,4-dichlorobenzene	140	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	280	UR
1-naphthylamine	280	U
2,3,4,6-tetrachlorophenol	280	U
2,4,5-trichlorophenol	600	U
2,4,6-trichlorophenol	600	U
2,4-dichlorophenol	280	U
2,4-dimethylphenol	280	U
2,4-dinitrophenol	2600	U
2,4-dinitrotoluene	280	UR
2,6-dichlorophenol	140	U
2,6-dinitrotoluene	280	U
2-acetylaminofluorene	280	UR
2-chloronaphthalene	140	U
2-chlorophenol	280	U
2-methyl-4,6-dinitrophenol	2000	U
2-methylnaphthalene	200	U
2-methylphenol	280	U
2-naphthylamine	280	U
2-nitroaniline	600	U
2-nitrophenol	280	U
2-picoline	280	U
3,3'-dichlorobenzidine	1000	U
3,3'-dimethylbenzidine	280	U
3-methylcholanthrene	280	U
3-methylphenol	280	U
3-nitroaniline	600	U
4-aminobiphenyl	140	U
4-bromophenyl phenyl ether	280	U
4-chloro-3-methylphenol	280	U
4-chloroaniline	600	U
4-chlorophenyl phenyl ether	200	U
4-methylphenol	280	U
4-nitroaniline	600	U
4-nitrophenol	1000	UR
4-nitroquinoline-1-oxide	600	U
5-nitro-o-toluidine	280	U
7,12-dimethylbenz(a)anthracene	280	U
a,a-dimethylphenethylamine	1000	UR

PARAMETER	RESULT	QUAL
Acenaphthene	140	U
Acenaphthylene	140	U
Acetophenone	140	U
Aniline	280	U
Anthracene	140	U
Aramite	720	U
Benzo(a)anthracene	200	U
Benzo(a)pyrene	280	U
Benzo(b)fluoranthene	200	U
Benzo(g,h,i)perylene	320	U
Benzo(k)fluoranthene	200	U
Benzyl alcohol	280	U
Bis(2-chloroethoxy)methane	140	U
Bis(2-chloroethyl)ether	140	U
Bis(2-ethylhexyl)phthalate	200	U
Butyl benzyl phthalate	200	U
Chrysene	200	U
Di-n-butyl phthalate	140	U
Di-n-octyl phthalate	280	U
Diallate	140	U
Dibenzo(a,h)anthracene	320	U
Dibenzofuran	140	UR
Diethyl phthalate	140	U
Dimethyl phthalate	200	U
Diphenylamine	140	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	140	U
Fluoranthene	140	U
Fluorene	140	U
Hexachlorobenzene	200	U
Hexachlorobutadiene	280	U
Hexachlorocyclopentadiene	2000	U
Hexachloroethane	200	U
Hexachlorophene	32000	U
Hexachloropropene	280	U
Indeno(1,2,3-cd)pyrene	320	U
Isophorone	280	U
Isosafrole	140	UR
Methapyrilene	1000	U
Methyl methanesulfonate	140	U
N-nitroso-di-n-butylamine	140	U
N-nitroso-di-n-propylamine	200	U
N-nitrosodiethylamine	140	U
N-nitrosodimethylamine	200	U
N-nitrosodiphenylamine	140	U
N-nitrosomethylethylamine	140	U
N-nitrosomorpholine	140	U
N-nitrosopiperidine	140	U
N-nitrosopyrrolidine	140	U
Naphthalene	140	U

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PARAMETER	RESULT	QUAL
Nitrobenzene	140	U
o-toluidine	140	UR
p-dimethylaminoazobenzene	280	U
p-phenylenediamine	4000	UR
Pentachlorobenzene	140	U
Pentachloroethane	500	U
Pentachloronitrobenzene	700	UR
Pentachlorophenol	1000	U
Phenacetin	140	U
Phenanthrene	140	U
Phenol	280	U
Pronamide	140	U
Pyrene	140	U
Pyridine	280	U
Safrole	140	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	140	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibrom[illegible]ne	500	U

PARAMETER	RESULT	QUAL
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG3F-11 (96) FISH	FUNDULUS SPP	
Inorganics (mg/kg)		
Antimony	4.7	U
Arsenic	8.3	J
Barium	0.47	U
Beryllium	0.38	U
Cadmium	0.47	U
Chromium	0.94	U
Cobalt	0.94	U
Copper	2.8	
Lead	0.27	
Mercury	0.03	J
Nickel	1.4	U
Selenium	0.36	
Silver	0.47	U
Thallium	0.19	U
Tin	4.7	U
Vanadium	0.94	U
Zinc	25.8	J
Pesticides/PCBs (µg/kg)		
4,4'-DDD	11.6	
4,4'-DDE	46.8	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U

PARAMETER	RESULT	QUAL
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	280	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	140	U
1,2,4-trichlorobenzene	200	U
1,2-dichlorobenzene	140	U
1,3,5-trinitrobenzene	1400	U
1,3-dichlorobenzene	140	U
1,3-dinitrobenzene	400	U
1,4-dichlorobenzene	140	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	280	UR
1-naphthylamine	280	U
2,3,4,6-tetrachlorophenol	280	U
2,4,5-trichlorophenol	600	U
2,4,6-trichlorophenol	600	U
2,4-dichlorophenol	280	U
2,4-dimethylphenol	280	U
2,4-dinitrophenol	2600	U
2,4-dinitrotoluene	280	UR
2,6-dichlorophenol	140	U
2,6-dinitrotoluene	280	U
2-acetylaminofluorene	280	UR
2-chloronaphthalene	140	U
2-chlorophenol	280	U
2-methyl-4,6-dinitrophenol	2000	U
2-methylnaphthalene	200	U
2-methylphenol	280	U
2-naphthylamine	280	U
2-nitroaniline	600	U
2-nitrophenol	280	U
2-picoline	280	U

PARAMETER	RESULT	QUAL
3,3'-dichlorobenzidine	1000	U
3,3'-dimethylbenzidine	280	U
3-methylcholanthrene	280	U
3-methylphenol	280	U
3-nitroaniline	600	U
4-aminobiphenyl	140	U
4-bromophenyl phenyl ether	280	U
4-chloro-3-methylphenol	280	U
4-chloroaniline	600	U
4-chlorophenyl phenyl ether	200	U
4-methylphenol	280	U
4-nitroaniline	600	U
4-nitrophenol	1000	UR
4-nitroquinoline-1-oxide	600	U
5-nitro-o-toluidine	280	U
7,12-dimethylbenz(a)anthracene	280	U
a,a-dimethylphenethylamine	1000	UR
Acenaphthene	140	U
Acenaphthylene	140	U
Acetophenone	140	U
Aniline	280	U
Anthracene	140	U
Aramite	720	U
Benzo(a)anthracene	200	U
Benzo(a)pyrene	280	U
Benzo(b)fluoranthene	200	U
Benzo(g,h,i)perylene	320	U
Benzo(k)fluoranthene	200	U
Benzyl alcohol	280	U
Bis(2-chloroethoxy)methane	140	U
Bis(2-chloroethyl)ether	140	U
Bis(2-ethylhexyl)phthalate	200	U
Butyl benzyl phthalate	200	U
Chrysene	200	U
Di-n-butyl phthalate	140	U
Di-n-octyl phthalate	280	U
Diallate	140	U
Dibenzo(a,h)anthracene	320	U
Dibenzofuran	140	UR
Diethyl phthalate	140	U
Dimethyl phthalate	200	U
Diphenylamine	140	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	140	U
Fluoranthene	140	U
Fluorene	140	U
Hexachlorobenzene	200	U
Hexachlorobutadiene	280	U
Hexachlorocyclopentadiene	2000	U
Hexachloroethane	[illegible]00	U

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PARAMETER	RESULT	QUAL
Hexachlorophene	32000	U
Hexachloropropene	280	U
Indeno(1,2,3-cd)pyrene	320	U
Isophorone	280	U
Isosafrole	140	UR
Methapyrilene	1000	U
Methyl methanesulfonate	140	U
N-nitroso-di-n-butylamine	140	U
N-nitroso-di-n-propylamine	200	U
N-nitrosodiethylamine	140	U
N-nitrosodimethylamine	200	U
N-nitrosodiphenylamine	140	U
N-nitrosomethylethylamine	140	U
N-nitrosomorpholine	140	U
N-nitrosopiperidine	140	U
N-nitrosopyrrolidine	140	U
Naphthalene	140	U
Nitrobenzene	140	U
o-toluidine	140	UR
p-dimethylaminoazobenzene	280	U
p-phenylenediamine	4000	UR
Pentachlorobenzene	140	U
Pentachloroethane	500	U
Pentachloronitrobenzene	700	UR
Pentachlorophenol	1000	U
Phenacetin	140	U
Phenanthrene	140	U
Phenol	280	U
Pronamide	140	U
Pyrene	140	U
Pyridine	280	U
Safrole	140	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U

PARAMETER	RESULT	QUAL
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	140	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG3F-12 (96) FISH		**FUNDULUS SPP**
Inorganics (mg/kg)		
Antimony	4.8	U
Arsenic	6.1	J
Barium	0.48	U
Beryllium	0.38	U
Cadmium	0.48	U
Chromium	0.95	U
Cobalt	0.95	U
Copper	1.8	
Lead	0.54	
Mercury	0.03	J
Nickel	1.4	U
Selenium	0.41	

PARAMETER	RESULT	QUAL
Silver	0.48	U
Thallium	0.19	U
Tin	4.8	U
Vanadium	0.95	U
Zinc	27.8	J
Pesticides/PCBs (µg/kg)		
4,4'-DDD	12.2	
4,4'-DDE	89.1	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	165	
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	840	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	420	U
1,2,4-trichlorobenzene	600	U
1,2-dichlorobenzene	420	U
1,3,5-trinitrobenzene	4200	U
1,3-dichlorobenzene	420	U
1,3-dinitrobenzene	1200	U
1,4-dichlorobenzene	420	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	840	U
1-naphthylamine	840	U
2,3,4,6-tetrachlorophenol	840	U
2,4,5-trichlorophenol	1800	U

PARAMETER	RESULT	QUAL
2,4,6-trichlorophenol	1800	U
2,4-dichlorophenol	840	U
2,4-dimethylphenol	840	U
2,4-dinitrophenol	7800	U
2,4-dinitrotoluene	840	U
2,6-dichlorophenol	420	U
2,6-dinitrotoluene	840	U
2-acetylaminofluorene	840	U
2-chloronaphthalene	420	U
2-chlorophenol	840	U
2-methyl-4,6-dinitrophenol	6000	U
2-methylnaphthalene	600	U
2-methylphenol	840	U
2-naphthylamine	840	U
2-nitroaniline	1800	U
2-nitrophenol	840	U
2-picoline	840	U
3,3'-dichlorobenzidine	3000	UJ
3,3'-dimethylbenzidine	840	U
3-methylcholanthrene	840	U
3-methylphenol	840	U
3-nitroaniline	1800	UJ
4-aminobiphenyl	420	U
4-bromophenyl phenyl ether	840	U
4-chloro-3-methylphenol	840	U
4-chloroaniline	1800	U
4-chlorophenyl phenyl ether	600	U
4-methylphenol	840	U
4-nitroaniline	1800	U
4-nitrophenol	3000	U
4-nitroquinoline-1-oxide	1800	U
5-nitro-o-toluidine	840	U
7,12-dimethylbenz(a)anthracene	840	U
a,a-dimethylphenethylamine	3000	U
Acenaphthene	420	U
Acenaphthylene	420	U
Acetophenone	420	U
Aniline	840	U
Anthracene	420	U
Aramite	2200	U
Benzo(a)anthracene	600	U
Benzo(a)pyrene	840	U
Benzo(b)fluoranthene	600	U
Benzo(g,h,i)perylene	960	U
Benzo(k)fluoranthene	600	UJ
Benzyl alcohol	840	U
Bis(2-chloroethoxy)methane	420	U
Bis(2-chloroethyl)ether	420	U
Bis(2-ethylhexyl)phthalate	600	U
Butyl benzyl phthalate	600	U

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PARAMETER	RESULT	QUAL
Chrysene	600	U
Di-n-butyl phthalate	420	U
Di-n-octyl phthalate	840	U
Diallate	420	U
Dibenzo(a,h)anthracene	960	U
Dibenzofuran	420	U
Diethyl phthalate	420	U
Dimethyl phthalate	600	U
Diphenylamine	420	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	420	U
Fluoranthene	420	U
Fluorene	420	U
Hexachlorobenzene	600	U
Hexachlorobutadiene	840	U
Hexachlorocyclopentadiene	6000	U
Hexachloroethane	600	U
Hexachlorophene	96000	U
Hexachloropropene	840	U
Indeno(1,2,3-cd)pyrene	960	U
Isophorone	840	U
Isosafrole	420	U
Methapyrilene	3000	U
Methyl methanesulfonate	420	U
N-nitroso-di-n-butylamine	420	U
N-nitroso-di-n-propylamine	600	U
N-nitrosodiethylamine	420	U
N-nitrosodimethylamine	600	U
N-nitrosodiphenylamine	420	U
N-nitrosomethylethylamine	420	U
N-nitrosomorpholine	420	U
N-nitrosopiperidine	420	U
N-nitrosopyrrolidine	420	U
Naphthalene	420	U
Nitrobenzene	420	U
o-toluidine	420	U
p-dimethylaminoazobenzene	840	U
p-phenylenediamine	12000	U
Pentachlorobenzene	420	U
Pentachloroethane	500	U
Pentachloronitrobenzene	2100	U
Pentachlorophenol	3000	U
Phenacetin	420	U
Phenanthrene	420	U
Phenol	10000	
Pronamide	420	U
Pyrene	420	U
Pyridine	3700	
Safrole	420	U
Volatil[illegible]ic Compounds (µg/kg)		

PARAMETER	RESULT	QUAL
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	420	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U

PARAMETER	RESULT	QUAL
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG3F-13 (96) FISH	**FUNDULUS SPP**	
Inorganics (mg/kg)		
Antimony	4.8	U
Arsenic	4.9	J
Barium	0.48	U
Beryllium	0.39	U
Cadmium	0.48	U
Chromium	0.97	U
Cobalt	0.97	U
Copper	9.8	
Lead	0.78	
Mercury	0.05	J
Nickel	1.5	U
Selenium	0.42	
Silver	0.48	U
Thallium	0.19	U
Tin	4.8	U
Vanadium	0.97	U
Zinc	30.9	J
Pesticides/PCBs (µg/kg)		
4,4'-DDD	6.3	
4,4'-DDE	59.3	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	840	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U

PARAMETER	RESULT	QUAL
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	420	U
1,2,4-trichlorobenzene	600	U
1,2-dichlorobenzene	420	U
1,3,5-trinitrobenzene	4200	U
1,3-dichlorobenzene	420	U
1,3-dinitrobenzene	1200	U
1,4-dichlorobenzene	420	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	840	U
1-naphthylamine	840	U
2,3,4,6-tetrachlorophenol	840	U
2,4,5-trichlorophenol	1800	U
2,4,6-trichlorophenol	1800	U
2,4-dichlorophenol	840	U
2,4-dimethylphenol	840	U
2,4-dinitrophenol	7800	U
2,4-dinitrotoluene	840	U
2,6-dichlorophenol	420	U
2,6-dinitrotoluene	840	U
2-acetylaminofluorene	840	U
2-chloronaphthalene	420	U
2-chlorophenol	840	U
2-methyl-4,6-dinitrophenol	6000	U
2-methylnaphthalene	600	U
2-methylphenol	840	U
2-naphthylamine	840	U
2-nitroaniline	1800	U
2-nitrophenol	840	U
2-picoline	840	U
3,3'-dichlorobenzidine	3000	UJ
3,3'-dimethylbenzidine	840	U
3-methylcholanthrene	840	U
3-methylphenol	840	U
3-nitroaniline	1800	UJ
4-aminobiphenyl	420	U
4-bromophenyl phenyl ether	840	U
4-chloro-3-methylphenol	840	U
4-chloroaniline	1800	U
4-chlorophenyl phenyl ether	600	U
4-methylphenol	840	U
4-nitroaniline	1800	U
4-nitrophenol	3000	U
4-nitroquinoline-1-oxide	1800	U
5-nitro-o-toluidine	840	U
7,12-dimethylbenz(a)anthracene	840	U

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PARAMETER	RESULT	QUAL
a,a-dimethylphenethylamine	3000	U
Acenaphthene	420	U
Acenaphthylene	420	U
Acetophenone	420	U
Aniline	840	U
Anthracene	420	U
Aramite	2200	U
Benzo(a)anthracene	600	U
Benzo(a)pyrene	840	U
Benzo(b)fluoranthene	600	U
Benzo(g,h,i)perylene	960	U
Benzo(k)fluoranthene	600	UJ
Benzyl alcohol	840	U
Bis(2-chloroethoxy)methane	420	U
Bis(2-chloroethyl)ether	420	U
Bis(2-ethylhexyl)phthalate	600	U
Butyl benzyl phthalate	600	U
Chrysene	600	U
Di-n-butyl phthalate	420	U
Di-n-octyl phthalate	840	U
Diallate	420	U
Dibenzo(a,h)anthracene	960	U
Dibenzofuran	420	U
Diethyl phthalate	420	U
Dimethyl phthalate	600	U
Diphenylamine	420	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	420	U
Fluoranthene	420	U
Fluorene	420	U
Hexachlorobenzene	600	U
Hexachlorobutadiene	840	U
Hexachlorocyclopentadiene	6000	U
Hexachloroethane	600	U
Hexachlorophene	96000	U
Hexachloropropene	840	U
Indeno(1,2,3-cd)pyrene	960	U
Isophorone	840	U
Isosafrole	420	U
Methapyrilene	3000	U
Methyl methanesulfonate	420	U
N-nitroso-di-n-butylamine	420	U
N-nitroso-di-n-propylamine	600	U
N-nitrosodiethylamine	420	U
N-nitrosodimethylamine	600	U
N-nitrosodiphenylamine	420	U
N-nitrosomethylethylamine	420	U
N-nitrosomorpholine	420	U
N-nitrosopiperidine	420	U
N-nitrosopyrrolidine	420	U

PARAMETER	RESULT	QUAL
Naphthalene	420	U
Nitrobenzene	420	U
o-toluidine	420	U
p-dimethylaminoazobenzene	840	U
p-phenylenediamine	12000	U
Pentachlorobenzene	420	U
Pentachloroethane	500	U
Pentachloronitrobenzene	2100	U
Pentachlorophenol	3000	U
Phenacetin	420	U
Phenanthrene	420	U
Phenol	1400	
Pronamide	420	U
Pyrene	420	U
Pyridine	840	U
Safrole	420	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	420	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U

PARAMETER	RESULT	QUAL
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG3F-14 (96) FISH		**FUNDULUS SPP**
Inorganics (mg/kg)		
Antimony	5	U
Arsenic	3.8	J
Barium	0.5	U
Beryllium	0.4	U
Cadmium	0.5	U
Chromium	0.99	U
Cobalt	0.99	U
Copper	2.7	
Lead	0.51	
Mercury	0.04	J
Nickel	1.5	U
Selenium	0.37	
Silver	0.5	U
Thallium	0.2	U
Tin	5	U
Vanadium	0.99	U
Zinc	60.7	J
Pesticides/PCBs (µg/kg)		
4,4'-DDD	4.7	
4,4'-DDE	66.8	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U

PARAMETER	RESULT	QUAL
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	840	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	420	U
1,2,4-trichlorobenzene	600	U
1,2-dichlorobenzene	420	U
1,3,5-trinitrobenzene	4200	U
1,3-dichlorobenzene	420	U
1,3-dinitrobenzene	1200	U
1,4-dichlorobenzene	420	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	840	U
1-naphthylamine	840	U
2,3,4,6-tetrachlorophenol	840	U
2,4,5-trichlorophenol	1800	U
2,4,6-trichlorophenol	1800	U
2,4-dichlorophenol	840	U
2,4-dimethylphenol	840	U
2,4-dinitrophenol	7800	U
2,4-dinitrotoluene	840	U
2,6-dichlorophenol	420	U
2,6-dinitrotoluene	840	U
2-acetylaminofluorene	840	U
2-chloronaphthalene	420	U
2-chlorophenol	840	U
2-methyl-4,6-dinitrophenol	6000	U
2-methylnaphthalene	600	U
2-methylphenol	840	U
2-naphthylamine	840	U
2-nitroaniline	1800	U
2-nitrophenol	840	U

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PARAMETER	RESULT	QUAL
2-picoline	840	U
3,3'-dichlorobenzidine	3000	UJ
3,3'-dimethylbenzidine	840	U
3-methylcholanthrene	840	U
3-methylphenol	840	U
3-nitroaniline	1800	UJ
4-aminobiphenyl	420	U
4-bromophenyl phenyl ether	840	U
4-chloro-3-methylphenol	840	U
4-chloroaniline	1800	U
4-chlorophenyl phenyl ether	600	U
4-methylphenol	840	U
4-nitroaniline	1800	U
4-nitrophenol	3000	U
4-nitroquinoline-1-oxide	1800	U
5-nitro-o-toluidine	840	U
7,12-dimethylbenz(a)anthracene	840	U
a,a-dimethylphenethylamine	3000	U
Acenaphthene	420	U
Acenaphthylene	420	U
Acetophenone	420	U
Aniline	840	U
Anthracene	420	U
Aramite	2200	U
Benzo(a)anthracene	600	U
Benzo(a)pyrene	840	U
Benzo(b)fluoranthene	600	U
Benzo(g,h,i)perylene	960	U
Benzo(k)fluoranthene	600	UJ
Benzyl alcohol	840	U
Bis(2-chloroethoxy)methane	420	U
Bis(2-chloroethyl)ether	420	U
Bis(2-ethylhexyl)phthalate	600	U
Butyl benzyl phthalate	600	U
Chrysene	600	U
Di-n-butyl phthalate	420	U
Di-n-octyl phthalate	840	U
Diallate	420	U
Dibenzo(a,h)anthracene	960	U
Dibenzofuran	420	U
Diethyl phthalate	420	U
Dimethyl phthalate	600	U
Diphenylamine	420	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	420	U
Fluoranthene	420	U
Fluorene	420	U
Hexachlorobenzene	600	U
Hexachlorobutadiene	840	U
Hexac[illegible]lopentadiene	6000	U

PARAMETER	RESULT	QUAL
Hexachloroethane	600	U
Hexachlorophene	96000	U
Hexachloropropene	840	U
Indeno(1,2,3-cd)pyrene	960	U
Isophorone	840	U
Isosafrole	420	U
Methapyrilene	3000	U
Methyl methanesulfonate	420	U
N-nitroso-di-n-butylamine	420	U
N-nitroso-di-n-propylamine	600	U
N-nitrosodiethylamine	420	U
N-nitrosodimethylamine	600	U
N-nitrosodiphenylamine	420	U
N-nitrosomethylethylamine	420	U
N-nitrosomorpholine	420	U
N-nitrosopiperidine	420	U
N-nitrosopyrrolidine	420	U
Naphthalene	420	U
Nitrobenzene	420	U
o-toluidine	420	U
p-dimethylaminoazobenzene	840	U
p-phenylenediamine	12000	U
Pentachlorobenzene	420	U
Pentachloroethane	500	U
Pentachloronitrobenzene	2100	U
Pentachlorophenol	3000	U
Phenacetin	420	U
Phenanthrene	420	U
Phenol	840	U
Pronamide	420	U
Pyrene	420	U
Pyridine	840	U
Safrole	420	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U

PARAMETER	RESULT	QUAL
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	420	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG3F-17 (96) FISH		**FUNDULUS SPP**
Inorganics (mg/kg)		
Antimony	4.8	U
Arsenic	3.8	J
Barium	0.48	U
Beryllium	0.39	U
Cadmium	0.48	U
Chromium	0.97	U
Cobalt	0.97	U
Copper	0.95	
Lead	0.5	
Mercury	0.03	J
Nickel	1.5	U

PARAMETER	RESULT	QUAL
Selenium	0.44	
Silver	0.48	U
Thallium	0.19	U
Tin	4.8	U
Vanadium	0.97	U
Zinc	26.4	J
Pesticides/PCBs (µg/kg)		
4,4'-DDD	8.5	
4,4'-DDE	70	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	127	
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	840	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	420	U
1,2,4-trichlorobenzene	600	U
1,2-dichlorobenzene	420	U
1,3,5-trinitrobenzene	4200	U
1,3-dichlorobenzene	420	U
1,3-dinitrobenzene	1200	U
1,4-dichlorobenzene	420	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	840	U
1-naphthylamine	840	U
2,3,4,6-tetrachlorophenol	140	U

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PARAMETER	RESULT	QUAL
2,4,5-trichlorophenol	1800	U
2,4,6-trichlorophenol	1800	U
2,4-dichlorophenol	840	U
2,4-dimethylphenol	840	U
2,4-dinitrophenol	7800	U
2,4-dinitrotoluene	840	U
2,6-dichlorophenol	420	U
2,6-dinitrotoluene	840	U
2-acetylaminofluorene	840	U
2-chloronaphthalene	420	U
2-chlorophenol	840	U
2-methyl-4,6-dinitrophenol	6000	U
2-methylnaphthalene	600	U
2-methylphenol	840	U
2-naphthylamine	840	U
2-nitroaniline	1800	U
2-nitrophenol	840	U
2-picoline	840	U
3,3'-dichlorobenzidine	3000	UJ
3,3'-dimethylbenzidine	840	U
3-methylcholanthrene	840	U
3-methylphenol	840	U
3-nitroaniline	1800	UJ
4-aminobiphenyl	420	U
4-bromophenyl phenyl ether	840	U
4-chloro-3-methylphenol	840	U
4-chloroaniline	1800	U
4-chlorophenyl phenyl ether	600	U
4-methylphenol	840	U
4-nitroaniline	1800	U
4-nitrophenol	3000	U
4-nitroquinoline-1-oxide	1800	U
5-nitro-o-toluidine	840	U
7,12-dimethylbenz(a)anthracene	840	U
a,a-dimethylphenethylamine	3000	U
Acenaphthene	420	U
Acenaphthylene	420	U
Acetophenone	420	U
Aniline	840	U
Anthracene	420	U
Aramite	2200	U
Benzo(a)anthracene	600	U
Benzo(a)pyrene	840	U
Benzo(b)fluoranthene	600	U
Benzo(g,h,i)perylene	960	U
Benzo(k)fluoranthene	600	UJ
Benzyl alcohol	840	U
Bis(2-chloroethoxy)methane	420	U
Bis(2-chloroethyl)ether	420	U
Bis(2-ethylhexyl)phthalate	600	U

PARAMETER	RESULT	QUAL
Butyl benzyl phthalate	600	U
Chrysene	600	U
Di-n-butyl phthalate	420	U
Di-n-octyl phthalate	840	U
Diallate	420	U
Dibenzo(a,h)anthracene	960	U
Dibenzofuran	420	U
Diethyl phthalate	420	U
Dimethyl phthalate	600	U
Diphenylamine	420	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	420	U
Fluoranthene	420	U
Fluorene	420	U
Hexachlorobenzene	600	U
Hexachlorobutadiene	840	U
Hexachlorocyclopentadiene	6000	U
Hexachloroethane	600	U
Hexachlorophene	96000	U
Hexachloropropene	840	U
Indeno(1,2,3-cd)pyrene	960	U
Isophorone	840	U
Isosafrole	420	U
Methapyrilene	3000	U
Methyl methanesulfonate	420	U
N-nitroso-di-n-butylamine	420	U
N-nitroso-di-n-propylamine	600	U
N-nitrosodiethylamine	420	U
N-nitrosodimethylamine	600	U
N-nitrosodiphenylamine	420	U
N-nitrosomethylethylamine	420	U
N-nitrosomorpholine	420	U
N-nitrosopiperidine	420	U
N-nitrosopyrrolidine	420	U
Naphthalene	420	U
Nitrobenzene	420	U
o-toluidine	420	U
p-dimethylaminoazobenzene	840	U
p-phenylenediamine	12000	U
Pentachlorobenzene	420	U
Pentachloroethane	500	U
Pentachloronitrobenzene	2100	U
Pentachlorophenol	3000	U
Phenacetin	420	U
Phenanthrene	420	U
Phenol	840	U
Pronamide	420	U
Pyrene	420	U
Pyridine	840	U
Safrole	420	U

PARAMETER	RESULT	QUAL
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	420	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U

PARAMETER	RESULT	QUAL
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG3F-19 (96) FISH		**FUNDULUS SPP**
Inorganics (mg/kg)		
Antimony	5	U
Arsenic	1.7	J
Barium	0.5	U
Beryllium	0.4	U
Cadmium	0.5	U
Chromium	0.99	U
Cobalt	0.99	U
Copper	2	
Lead	0.49	
Mercury	0.03	J
Nickel	1.5	U
Selenium	0.36	
Silver	0.5	U
Thallium	0.2	U
Tin	5	U
Vanadium	0.99	U
Zinc	29.8	J
Pesticides/PCBs (µg/kg)		
4,4'-DDD	7.2	
4,4'-DDE	53.9	
4,4'-DDT	1.2	U
Aldrin	1.2	U
alpha-BHC	1.2	U
alpha-chlordane	1.2	U
Aroclor-1016	24	U
Aroclor-1221	24	U
Aroclor-1232	24	U
Aroclor-1242	24	U
Aroclor-1248	24	U
Aroclor-1254	24	U
Aroclor-1260	24	U
beta-BHC	1.2	U
Chlordane	5.9	U
Chlorobenzilate	2500	U
delta-BHC	1.2	U
Dieldrin	1.2	U
Endosulfan I	1.2	U
Endosulfan II	1.2	U
Endosulfan sulfate	1.2	U
Endrin	1.2	U
Endrin aldehyde	1.2	U
gamma-BHC (lindane)	1.2	U
gamma-chlordane	1.2	U
Heptachlor	1.2	U

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PARAMETER	RESULT	QUAL
Heptachlor epoxide	1.2	U
Isodrin	1.2	U
Kepone	235	UJ
Methoxychlor	1.2	U
Toxaphene	118	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	1200	U
1,2,4-trichlorobenzene	1800	U
1,2-dichlorobenzene	1200	U
1,3,5-trinitrobenzene	12000	U
1,3-dichlorobenzene	1200	U
1,3-dinitrobenzene	3500	U
1,4-dichlorobenzene	1200	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	2500	U
1-naphthylamine	2500	U
2,3,4,6-tetrachlorophenol	2500	U
2,4,5-trichlorophenol	5300	U
2,4,6-trichlorophenol	5300	U
2,4-dichlorophenol	2500	U
2,4-dimethylphenol	2500	U
2,4-dinitrophenol	23000	U
2,4-dinitrotoluene	2500	U
2,6-dichlorophenol	1200	U
2,6-dinitrotoluene	2500	U
2-acetylaminofluorene	2500	U
2-chloronaphthalene	1200	U
2-chlorophenol	2500	U
2-methyl-4,6-dinitrophenol	18000	U
2-methylnaphthalene	1800	U
2-methylphenol	2500	U
2-naphthylamine	2500	U
2-nitroaniline	5300	U
2-nitrophenol	2500	U
2-picoline	2500	U
3,3'-dichlorobenzidine	8800	UJ
3,3'-dimethylbenzidine	2500	U
3-methylcholanthrene	2500	U
3-methylphenol	2500	U
3-nitroaniline	5300	UJ
4-aminobiphenyl	1200	U
4-bromophenyl phenyl ether	2500	U
4-chloro-3-methylphenol	2500	U
4-chloroaniline	5300	UJ
4-chlorophenyl phenyl ether	1800	U
4-methylphenol	2500	U
4-nitroaniline	5300	U
4-nitrophenol	8800	U
4-nitroquinoline-1-oxide	5300	U
5-nitro-c[illegible]ne	2500	U

PARAMETER	RESULT	QUAL
7,12-dimethylbenz(a)anthracene	2500	U
a,a-dimethylphenethylamine	8800	U
Acenaphthene	1200	U
Acenaphthylene	1200	U
Acetophenone	1200	U
Aniline	2500	U
Anthracene	1200	U
Aramite	6300	U
Benzo(a)anthracene	1800	U
Benzo(a)pyrene	2500	U
Benzo(b)fluoranthene	1800	U
Benzo(g,h,i)perylene	2800	U
Benzo(k)fluoranthene	1800	UJ
Benzyl alcohol	2500	U
Bis(2-chloroethoxy)methane	1200	U
Bis(2-chloroethyl)ether	1200	U
Bis(2-ethylhexyl)phthalate	1800	U
Butyl benzyl phthalate	1800	U
Chrysene	1800	U
Di-n-butyl phthalate	1200	U
Di-n-octyl phthalate	2500	U
Diallate	1200	U
Dibenzo(a,h)anthracene	2800	U
Dibenzofuran	1200	U
Diethyl phthalate	1200	U
Dimethyl phthalate	1800	U
Diphenylamine	1200	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	1200	U
Fluoranthene	1200	U
Fluorene	1200	U
Hexachlorobenzene	1800	U
Hexachlorobutadiene	2500	U
Hexachlorocyclopentadiene	18000	U
Hexachloroethane	1800	U
Hexachlorophene	280000	U
Hexachloropropene	2500	U
Indeno(1,2,3-cd)pyrene	2800	U
Isophorone	2500	U
Isosafrole	1200	U
Methapyrilene	8800	U
Methyl methanesulfonate	1200	U
N-nitroso-di-n-butylamine	1200	U
N-nitroso-di-n-propylamine	1800	U
N-nitrosodiethylamine	1200	U
N-nitrosodimethylamine	1800	U
N-nitrosodiphenylamine	1200	U
N-nitrosomethylethylamine	1200	U
N-nitrosomorpholine	1200	U
N-nitrosopiperidine	1200	U

PARAMETER	RESULT	QUAL
N-nitrosopyrrolidine	1200	U
Naphthalene	1200	U
Nitrobenzene	1200	U
o-toluidine	1200	U
p-dimethylaminoazobenzene	2500	U
p-phenylenediamine	35000	U
Pentachlorobenzene	1200	U
Pentachloroethane	500	U
Pentachloronitrobenzene	6200	U
Pentachlorophenol	8800	U
Phenacetin	1200	U
Phenanthrene	1200	U
Phenol	2500	U
Pronamide	1200	U
Pyrene	1200	U
Pyridine	2500	U
Safrole	1200	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	1200	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U

PARAMETER	RESULT	QUAL
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG3F-20 (96) FISH		**FUNDULUS SPP**
Inorganics (mg/kg)		
Antimony	4.7	U
Arsenic	5.3	J
Barium	0.47	U
Beryllium	0.38	U
Cadmium	0.47	U
Chromium	0.94	U
Cobalt	0.94	U
Copper	2.2	
Lead	0.14	U
Mercury	0.04	J
Nickel	1.4	U
Selenium	0.43	
Silver	0.47	U
Thallium	0.19	U
Tin	4.7	U
Vanadium	0.94	U
Zinc	23.4	J
Pesticides/PCBs (µg/kg)		
4,4'-DDD	13.7	
4,4'-DDE	69.9	
4,4'-DDT	1.1	U
Aldrin	1.1	U
alpha-BHC	1.1	U
alpha-chlordane	1.1	U
Aroclor-1016	21	U
Aroclor-1221	21	U
Aroclor-1232	21	U

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PARAMETER	RESULT	QUAL
Aroclor-1242	21	U
Aroclor-1248	21	U
Aroclor-1254	21	U
Aroclor-1260	50	
beta-BHC	1.1	U
Chlordane	5.3	U
Chlorobenzilate	900	U
delta-BHC	1.1	U
Dieldrin	1.1	U
Endosulfan I	1.1	U
Endosulfan II	1.1	U
Endosulfan sulfate	1.1	U
Endrin	1.1	U
Endrin aldehyde	1.1	U
gamma-BHC (lindane)	1.1	U
gamma-chlordane	1.1	U
Heptachlor	1.1	U
Heptachlor epoxide	1.1	U
Isodrin	1.1	U
Kepone	213	UJ
Methoxychlor	1.1	U
Toxaphene	106	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	450	U
1,2,4-trichlorobenzene	640	U
1,2-dichlorobenzene	450	U
1,3,5-trinitrobenzene	4500	U
1,3-dichlorobenzene	450	U
1,3-dinitrobenzene	1300	U
1,4-dichlorobenzene	450	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	900	U
1-naphthylamine	900	U
2,3,4,6-tetrachlorophenol	900	U
2,4,5-trichlorophenol	1900	U
2,4,6-trichlorophenol	1900	U
2,4-dichlorophenol	900	U
2,4-dimethylphenol	900	U
2,4-dinitrophenol	8300	U
2,4-dinitrotoluene	900	U
2,6-dichlorophenol	450	U
2,6-dinitrotoluene	900	U
2-acetylaminofluorene	900	U
2-chloronaphthalene	450	U
2-chlorophenol	900	U
2-methyl-4,6-dinitrophenol	6400	U
2-methylnaphthalene	640	U
2-methylphenol	900	U
2-naphthylamine	900	U
2-nitroaniline	1900	U

PARAMETER	RESULT	QUAL
2-nitrophenol	900	U
2-picoline	900	U
3,3'-dichlorobenzidine	3200	UJ
3,3'-dimethylbenzidine	900	U
3-methylcholanthrene	900	U
3-methylphenol	900	U
3-nitroaniline	1900	UJ
4-aminobiphenyl	450	U
4-bromophenyl phenyl ether	900	U
4-chloro-3-methylphenol	900	U
4-chloroaniline	1900	U
4-chlorophenyl phenyl ether	640	U
4-methylphenol	900	U
4-nitroaniline	1900	U
4-nitrophenol	3200	U
4-nitroquinoline-1-oxide	1900	U
5-nitro-o-toluidine	900	U
7,12-dimethylbenz(a)anthracene	900	U
a,a-dimethylphenethylamine	3200	U
Acenaphthene	450	U
Acenaphthylene	450	U
Acetophenone	450	U
Aniline	900	U
Anthracene	450	U
Aramite	2300	U
Benzo(a)anthracene	640	U
Benzo(a)pyrene	900	U
Benzo(b)fluoranthene	640	U
Benzo(g,h,i)perylene	1000	U
Benzo(k)fluoranthene	640	UJ
Benzyl alcohol	900	U
Bis(2-chloroethoxy)methane	450	U
Bis(2-chloroethyl)ether	450	U
Bis(2-ethylhexyl)phthalate	640	U
Butyl benzyl phthalate	640	U
Chrysene	640	U
Di-n-butyl phthalate	450	U
Di-n-octyl phthalate	900	U
Diallate	450	U
Dibenzo(a,h)anthracene	1000	U
Dibenzofuran	450	U
Diethyl phthalate	450	U
Dimethyl phthalate	640	U
Diphenylamine	450	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	450	U
Fluoranthene	450	U
Fluorene	450	U
Hexachlorobenzene	640	U
Hexachlorobutadiene	900	U

PARAMETER	RESULT	QUAL
Hexachlorocyclopentadiene	6400	U
Hexachloroethane	640	U
Hexachlorophene	100000	U
Hexachloropropene	900	U
Indeno(1,2,3-cd)pyrene	1000	U
Isophorone	900	U
Isosafrole	450	U
Methapyrilene	3200	U
Methyl methanesulfonate	450	U
N-nitroso-di-n-butylamine	450	U
N-nitroso-di-n-propylamine	640	U
N-nitrosodiethylamine	450	U
N-nitrosodimethylamine	640	U
N-nitrosodiphenylamine	450	U
N-nitrosomethylethylamine	450	U
N-nitrosomorpholine	450	U
N-nitrosopiperidine	450	U
N-nitrosopyrrolidine	450	U
Naphthalene	450	U
Nitrobenzene	450	U
o-toluidine	450	U
p-dimethylaminoazobenzene	900	U
p-phenylenediamine	13000	U
Pentachlorobenzene	450	U
Pentachloroethane	500	U
Pentachloronitrobenzene	2200	U
Pentachlorophenol	3200	U
Phenacetin	450	U
Phenanthrene	450	U
Phenol	900	U
Pronamide	450	U
Pyrene	450	U
Pyridine	900	U
Safrole	450	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U

PARAMETER	RESULT	QUAL
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	450	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG3F-21 (96) FISH		**FUNDULUS SPP**
Inorganics (mg/kg)		
Antimony	5	U
Arsenic	2.4	J
Barium	0.5	U
Beryllium	0.4	U
Cadmium	0.5	U
Chromium	1	U
Cobalt	1	U
Copper	3.1	
Lead	0.35	
Mercury	0.02	J

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PARAMETER	RESULT	QUAL
Nickel	1.5	U
Selenium	0.44	
Silver	0.5	U
Thallium	0.2	U
Tin	5	U
Vanadium	1	U
Zinc	29.1	J
Pesticides/PCBs (µg/kg)		
4,4'-DDD	4.2	
4,4'-DDE	56.7	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	840	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	420	U
1,2,4-trichlorobenzene	600	U
1,2-dichlorobenzene	420	U
1,3,5-trinitrobenzene	4200	U
1,3-dichlorobenzene	420	U
1,3-dinitrobenzene	1200	U
1,4-dichlorobenzene	420	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	840	U
1-naph[illegible]e	840	U

PARAMETER	RESULT	QUAL
2,3,4,6-tetrachlorophenol	840	U
2,4,5-trichlorophenol	1800	U
2,4,6-trichlorophenol	1800	U
2,4-dichlorophenol	840	U
2,4-dimethylphenol	840	U
2,4-dinitrophenol	7800	U
2,4-dinitrotoluene	840	U
2,6-dichlorophenol	420	U
2,6-dinitrotoluene	840	U
2-acetylaminofluorene	840	U
2-chloronaphthalene	420	U
2-chlorophenol	840	U
2-methyl-4,6-dinitrophenol	6000	U
2-methylnaphthalene	600	U
2-methylphenol	840	U
2-naphthylamine	840	U
2-nitroaniline	1800	U
2-nitrophenol	840	U
2-picoline	840	U
3,3'-dichlorobenzidine	3000	UJ
3,3'-dimethylbenzidine	840	U
3-methylcholanthrene	840	U
3-methylphenol	840	U
3-nitroaniline	1800	UJ
4-aminobiphenyl	420	U
4-bromophenyl phenyl ether	840	U
4-chloro-3-methylphenol	840	U
4-chloroaniline	1800	U
4-chlorophenyl phenyl ether	600	U
4-methylphenol	840	U
4-nitroaniline	1800	U
4-nitrophenol	3000	U
4-nitroquinoline-1-oxide	1800	U
5-nitro-o-toluidine	840	U
7,12-dimethylbenz(a)anthracene	840	U
a,a-dimethylphenethylamine	3000	U
Acenaphthene	420	U
Acenaphthylene	420	U
Acetophenone	420	U
Aniline	840	U
Anthracene	420	U
Aramite	2200	U
Benzo(a)anthracene	600	U
Benzo(a)pyrene	840	U
Benzo(b)fluoranthene	600	U
Benzo(g,h,i)perylene	960	U
Benzo(k)fluoranthene	600	UJ
Benzyl alcohol	840	U
Bis(2-chloroethoxy)methane	420	U
Bis(2-chloroethyl)ether	420	U

PARAMETER	RESULT	QUAL
Bis(2-ethylhexyl)phthalate	600	U
Butyl benzyl phthalate	600	U
Chrysene	600	U
Di-n-butyl phthalate	420	U
Di-n-octyl phthalate	840	U
Diallate	420	U
Dibenzo(a,h)anthracene	960	U
Dibenzofuran	420	U
Diethyl phthalate	420	U
Dimethyl phthalate	600	U
Diphenylamine	420	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	420	U
Fluoranthene	420	U
Fluorene	420	U
Hexachlorobenzene	600	U
Hexachlorobutadiene	840	U
Hexachlorocyclopentadiene	6000	U
Hexachloroethane	600	U
Hexachlorophene	96000	U
Hexachloropropene	840	U
Indeno(1,2,3-cd)pyrene	960	U
Isophorone	840	U
Isosafrole	420	U
Methapyrilene	3000	U
Methyl methanesulfonate	420	U
N-nitroso-di-n-butylamine	420	U
N-nitroso-di-n-propylamine	600	U
N-nitrosodiethylamine	420	U
N-nitrosodimethylamine	600	U
N-nitrosodiphenylamine	420	U
N-nitrosomethylethylamine	420	U
N-nitrosomorpholine	420	U
N-nitrosopiperidine	420	U
N-nitrosopyrrolidine	420	U
Naphthalene	420	U
Nitrobenzene	420	U
o-toluidine	420	U
p-dimethylaminoazobenzene	840	U
p-phenylenediamine	12000	U
Pentachlorobenzene	420	U
Pentachloroethane	500	U
Pentachloronitrobenzene	2100	U
Pentachlorophenol	3000	U
Phenacetin	420	U
Phenanthrene	420	U
Phenol	840	U
Pronamide	420	U
Pyrene	420	U
Pyridine	840	U

PARAMETER	RESULT	QUAL
Safrole	420	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	420	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	00	U

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PARAMETER	RESULT	QUAL
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG3F-16 (96) FISH		**SAILFIN MOLLY**
Inorganics (mg/kg)		
Antimony	4.8	U
Arsenic	1.1	J
Barium	1.9	
Beryllium	0.38	U
Cadmium	0.48	U
Chromium	0.95	U
Cobalt	0.95	U
Copper	1.4	
Lead	5.3	
Mercury	0.02	UJ
Nickel	1.4	U
Selenium	0.33	
Silver	0.48	U
Thallium	0.19	U
Tin	4.8	U
Vanadium	0.95	U
Zinc	26.2	J
Pesticides/PCBs (µg/kg)		
4,4'-DDD	16.6	
4,4'-DDE	68.3	
4,4'-DDT	1.4	U
Aldrin	1.4	U
alpha-BHC	1.4	U
alpha-chlordane	1.4	U
Aroclor-1016	29	U
Aroclor-1221	29	U
Aroclor-1232	29	U
Aroclor-1242	29	U
Aroclor-1248	29	U
Aroclor-1254	29	U
Aroclor-1260	60	
beta-BHC	1.4	U
Chlordane	7.1	U
Chlorobenzilate	3000	U
delta-BHC	1.4	U
Dieldrin	1.4	U
Endosulfan I	1.4	U
Endosulfan II	1.4	U
Endosulfan sulfate	1.4	U
Endrin	1.4	U
Endrin aldehyde	1.4	U
gamma-BHC (lindane)	1.4	U
gamma-chlordane	1.4	U

PARAMETER	RESULT	QUAL
Heptachlor	1.4	U
Heptachlor epoxide	1.4	U
Isodrin	1.4	U
Kepone	286	UJ
Methoxychlor	1.4	U
Toxaphene	143	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	1500	U
1,2,4-trichlorobenzene	2100	U
1,2-dichlorobenzene	1500	U
1,3,5-trinitrobenzene	15000	U
1,3-dichlorobenzene	1500	U
1,3-dinitrobenzene	4300	U
1,4-dichlorobenzene	1500	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	3000	U
1-naphthylamine	3000	U
2,3,4,6-tetrachlorophenol	3000	U
2,4,5-trichlorophenol	6400	U
2,4,6-trichlorophenol	6400	U
2,4-dichlorophenol	3000	U
2,4-dimethylphenol	3000	U
2,4-dinitrophenol	28000	U
2,4-dinitrotoluene	3000	U
2,6-dichlorophenol	1500	U
2,6-dinitrotoluene	3000	U
2-acetylaminofluorene	3000	U
2-chloronaphthalene	1500	U
2-chlorophenol	3000	U
2-methyl-4,6-dinitrophenol	21000	U
2-methylnaphthalene	2100	U
2-methylphenol	3000	U
2-naphthylamine	3000	U
2-nitroaniline	6400	U
2-nitrophenol	3000	U
2-picoline	3000	U
3,3'-dichlorobenzidine	11000	UJ
3,3'-dimethylbenzidine	3000	U
3-methylcholanthrene	3000	U
3-methylphenol	3000	U
3-nitroaniline	6400	UJ
4-aminobiphenyl	1500	U
4-bromophenyl phenyl ether	3000	U
4-chloro-3-methylphenol	3000	U
4-chloroaniline	6400	UJ
4-chlorophenyl phenyl ether	2100	U
4-methylphenol	3000	U
4-nitroaniline	6400	U
4-nitrophenol	11000	U
4-nitroquinoline-1-oxide	6400	U

PARAMETER	RESULT	QUAL
5-nitro-o-toluidine	3000	U
7,12-dimethylbenz(a)anthracene	3000	U
a,a-dimethylphenethylamine	11000	U
Acenaphthene	1500	U
Acenaphthylene	1500	U
Acetophenone	1500	U
Aniline	3000	U
Anthracene	1500	U
Aramite	7700	U
Benzo(a)anthracene	2100	U
Benzo(a)pyrene	3000	U
Benzo(b)fluoranthene	2100	U
Benzo(g,h,i)perylene	3400	U
Benzo(k)fluoranthene	2100	UJ
Benzyl alcohol	3000	U
Bis(2-chloroethoxy)methane	1500	U
Bis(2-chloroethyl)ether	1500	U
Bis(2-ethylhexyl)phthalate	2100	U
Butyl benzyl phthalate	2100	U
Chrysene	2100	U
Di-n-butyl phthalate	1500	U
Di-n-octyl phthalate	3000	U
Diallate	1500	U
Dibenzo(a,h)anthracene	3400	U
Dibenzofuran	1500	U
Diethyl phthalate	1500	U
Dimethyl phthalate	2100	U
Diphenylamine	1500	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	1500	U
Fluoranthene	1500	U
Fluorene	1500	U
Hexachlorobenzene	2100	U
Hexachlorobutadiene	3000	U
Hexachlorocyclopentadiene	21000	U
Hexachloroethane	2100	U
Hexachlorophene	340000	U
Hexachloropropene	3000	U
Indeno(1,2,3-cd)pyrene	3400	U
Isophorone	3000	U
Isosafrole	1500	U
Methapyrilene	11000	U
Methyl methanesulfonate	1500	U
N-nitroso-di-n-butylamine	1500	U
N-nitroso-di-n-propylamine	2100	U
N-nitrosodiethylamine	1500	U
N-nitrosodimethylamine	2100	U
N-nitrosodiphenylamine	1500	U
N-nitrosomethylethylamine	1500	U
N-nitrosomorpholine	1500	U

PARAMETER	RESULT	QUAL
N-nitrosopiperidine	1500	U
N-nitrosopyrrolidine	1500	U
Naphthalene	1500	U
Nitrobenzene	1500	U
o-toluidine	1500	U
p-dimethylaminoazobenzene	3000	U
p-phenylenediamine	43000	U
Pentachlorobenzene	1500	U
Pentachloroethane	500	U
Pentachloronitrobenzene	7500	U
Pentachlorophenol	11000	U
Phenacetin	1500	U
Phenanthrene	1500	U
Phenol	3000	U
Pronamide	1500	U
Pyrene	1500	U
Pyridine	3000	U
Safrole	1500	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	1500	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U

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PARAMETER	RESULT	QUAL
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG3F-06 (96) FISH	**SHEEPSHEAD MINNOW**	
Inorganics (mg/kg)		
Antimony	4.9	U
Arsenic	0.57	
Barium	1.1	
Beryllium	0.39	U
Cadmium	0.49	U
Chromium	0.98	U
Cobalt	0.98	U
Copper	8	
Lead	8.8	
Mercury	0.02	U
Nickel	1.5	U
Selenium	0.61	
Silver	0.49	U
Thallium	0.2	U
Tin	4.9	U
Vanadium	0.98	U
Zinc	41.5	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	7.7	
4,4'-DDE	25.6	
4,4'-DDT	2.5	
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor	20	U

PARAMETER	RESULT	QUAL
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	560	U
delta-BHC	1	U
Dieldrin	1.3	
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	280	U
1,2,4-trichlorobenzene	400	U
1,2-dichlorobenzene	280	U
1,3,5-trinitrobenzene	2800	U
1,3-dichlorobenzene	280	U
1,3-dinitrobenzene	800	U
1,4-dichlorobenzene	280	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	560	UR
1-naphthylamine	560	U
2,3,4,6-tetrachlorophenol	560	U
2,4,5-trichlorophenol	1200	U
2,4,6-trichlorophenol	1200	U
2,4-dichlorophenol	560	U
2,4-dimethylphenol	560	U
2,4-dinitrophenol	5200	U
2,4-dinitrotoluene	560	UR
2,6-dichlorophenol	280	U
2,6-dinitrotoluene	560	U
2-acetylaminofluorene	560	UR
2-chloronaphthalene	280	U
2-chlorophenol	560	U
2-methyl-4,6-dinitrophenol	4000	U
2-methylnaphthalene	400	U
2-methylphenol	560	U
2-naphthylamine	560	U

PARAMETER	RESULT	QUAL
2-nitroaniline	1200	U
2-nitrophenol	560	U
2-picoline	560	U
3,3'-dichlorobenzidine	2000	U
3,3'-dimethylbenzidine	560	U
3-methylcholanthrene	560	U
3-methylphenol	560	U
3-nitroaniline	1200	U
4-aminobiphenyl	280	U
4-bromophenyl phenyl ether	560	U
4-chloro-3-methylphenol	560	U
4-chloroaniline	1200	U
4-chlorophenyl phenyl ether	400	U
4-methylphenol	560	U
4-nitroaniline	1200	U
4-nitrophenol	2000	UR
4-nitroquinoline-1-oxide	1200	U
5-nitro-o-toluidine	560	U
7,12-dimethylbenz(a)anthracene	560	U
a,a-dimethylphenethylamine	2000	UR
Acenaphthene	280	U
Acenaphthylene	280	U
Acetophenone	280	U
Aniline	560	U
Anthracene	280	U
Aramite	1400	U
Benzo(a)anthracene	400	U
Benzo(a)pyrene	560	U
Benzo(b)fluoranthene	400	U
Benzo(g,h,i)perylene	640	U
Benzo(k)fluoranthene	400	U
Benzyl alcohol	560	U
Bis(2-chloroethoxy)methane	280	U
Bis(2-chloroethyl)ether	280	U
Bis(2-ethylhexyl)phthalate	400	U
Butyl benzyl phthalate	400	U
Chrysene	400	U
Di-n-butyl phthalate	280	U
Di-n-octyl phthalate	560	U
Diallate	280	U
Dibenzo(a,h)anthracene	640	U
Dibenzofuran	280	UR
Diethyl phthalate	280	U
Dimethyl phthalate	400	U
Diphenylamine	280	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	280	U
Fluoranthene	280	U
Fluorene	280	U
Hexachlorobenzene	400	U

PARAMETER	RESULT	QUAL
Hexachlorobutadiene	560	U
Hexachlorocyclopentadiene	4000	U
Hexachloroethane	400	U
Hexachlorophene	64000	U
Hexachloropropene	560	U
Indeno(1,2,3-cd)pyrene	640	U
Isophorone	560	U
Isosafrole	280	UR
Methapyrilene	2000	U
Methyl methanesulfonate	280	U
N-nitroso-di-n-butylamine	280	U
N-nitroso-di-n-propylamine	400	U
N-nitrosodiethylamine	280	U
N-nitrosodimethylamine	400	U
N-nitrosodiphenylamine	280	U
N-nitrosomethylethylamine	280	U
N-nitrosomorpholine	280	U
N-nitrosopiperidine	280	U
N-nitrosopyrrolidine	280	U
Naphthalene	280	U
Nitrobenzene	280	U
o-toluidine	280	UR
p-dimethylaminoazobenzene	560	U
p-phenylenediamine	8000	UR
Pentachlorobenzene	280	U
Pentachloroethane	500	U
Pentachloronitrobenzene	1400	UR
Pentachlorophenol	2000	U
Phenacetin	280	U
Phenanthrene	280	U
Phenol	560	U
Pronamide	280	U
Pyrene	280	U
Pyridine	560	U
Safrole	280	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U

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PARAMETER	RESULT	QUAL
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	280	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG3F-07 (96) FISH	**SHEEPSHEAD MINNOW**	
Inorganics (mg/kg)		
Antimony	4.6	U
Arsenic	0.56	
Barium	0.91	
Beryllium	0.37	U
Cadmium	0.46	U
Chromium	0.92	U
Cobalt	0.92	U
Copper	4.2	
Lead	7.4	

PARAMETER	RESULT	QUAL
Mercury	0.02	U
Nickel	1.4	U
Selenium	0.45	
Silver	0.46	U
Thallium	0.18	U
Tin	4.6	U
Vanadium	0.92	U
Zinc	32.9	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	9.5	
4,4'-DDE	22	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	560	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	280	U
1,2,4-trichlorobenzene	400	U
1,2-dichlorobenzene	280	U
1,3,5-trinitrobenzene	2800	U
1,3-dichlorobenzene	280	U
1,3-dinitrobenzene	800	U
1,4-dichlorobenzene	280	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	560	UR

PARAMETER	RESULT	QUAL
1-naphthylamine	560	U
2,3,4,6-tetrachlorophenol	560	U
2,4,5-trichlorophenol	1200	U
2,4,6-trichlorophenol	1200	U
2,4-dichlorophenol	560	U
2,4-dimethylphenol	560	U
2,4-dinitrophenol	5200	U
2,4-dinitrotoluene	560	UR
2,6-dichlorophenol	280	U
2,6-dinitrotoluene	560	U
2-acetylaminofluorene	560	UR
2-chloronaphthalene	280	U
2-chlorophenol	560	U
2-methyl-4,6-dinitrophenol	4000	U
2-methylnaphthalene	400	U
2-methylphenol	560	U
2-naphthylamine	560	U
2-nitroaniline	1200	U
2-nitrophenol	560	U
2-picoline	560	U
3,3'-dichlorobenzidine	2000	U
3,3'-dimethylbenzidine	560	U
3-methylcholanthrene	560	U
3-methylphenol	560	U
3-nitroaniline	1200	U
4-aminobiphenyl	280	U
4-bromophenyl phenyl ether	560	U
4-chloro-3-methylphenol	560	U
4-chloroaniline	1200	U
4-chlorophenyl phenyl ether	400	U
4-methylphenol	560	U
4-nitroaniline	1200	U
4-nitrophenol	2000	UR
4-nitroquinoline-1-oxide	1200	U
5-nitro-o-toluidine	560	U
7,12-dimethylbenz(a)anthracene	560	U
a,a-dimethylphenethylamine	2000	UR
Acenaphthene	280	U
Acenaphthylene	280	U
Acetophenone	280	U
Aniline	560	U
Anthracene	280	U
Aramite	1400	U
Benzo(a)anthracene	400	U
Benzo(a)pyrene	560	U
Benzo(b)fluoranthene	400	U
Benzo(g,h,i)perylene	640	U
Benzo(k)fluoranthene	400	U
Benzyl alcohol	560	U
Bis(2-chloroethoxy)methane	280	U

PARAMETER	RESULT	QUAL
Bis(2-chloroethyl)ether	280	U
Bis(2-ethylhexyl)phthalate	400	U
Butyl benzyl phthalate	400	U
Chrysene	400	U
Di-n-butyl phthalate	280	U
Di-n-octyl phthalate	560	U
Diallate	280	U
Dibenzo(a,h)anthracene	640	U
Dibenzofuran	280	UR
Diethyl phthalate	280	U
Dimethyl phthalate	400	U
Diphenylamine	280	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	280	U
Fluoranthene	280	U
Fluorene	280	U
Hexachlorobenzene	400	U
Hexachlorobutadiene	560	U
Hexachlorocyclopentadiene	4000	U
Hexachloroethane	400	U
Hexachlorophene	64000	U
Hexachloropropene	560	U
Indeno(1,2,3-cd)pyrene	640	U
Isophorone	560	U
Isosafrole	280	UR
Methapyrilene	2000	U
Methyl methanesulfonate	280	U
N-nitroso-di-n-butylamine	280	U
N-nitroso-di-n-propylamine	400	U
N-nitrosodiethylamine	280	U
N-nitrosodimethylamine	400	U
N-nitrosodiphenylamine	280	U
N-nitrosomethylethylamine	280	U
N-nitrosomorpholine	280	U
N-nitrosopiperidine	280	U
N-nitrosopyrrolidine	280	U
Naphthalene	280	U
Nitrobenzene	280	U
o-toluidine	280	UR
p-dimethylaminoazobenzene	560	U
p-phenylenediamine	8000	UR
Pentachlorobenzene	280	U
Pentachloroethane	500	U
Pentachloronitrobenzene	1400	UR
Pentachlorophenol	2000	U
Phenacetin	280	U
Phenanthrene	280	U
Phenol	560	U
Pronamide	280	U
Pyrene	280	U

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PARAMETER	RESULT	QUAL
Pyridine	560	U
Safrole	280	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	280	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1 loropropene	500	U

PARAMETER	RESULT	QUAL
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG3F-09 (96) FISH	**SHEEPSHEAD MINNOW**	
Inorganics (mg/kg)		
Antimony	4.7	U
Arsenic	0.72	
Barium	0.94	
Beryllium	0.38	U
Cadmium	0.47	U
Chromium	0.94	U
Cobalt	0.94	U
Copper	2.8	
Lead	11.9	
Mercury	0.02	U
Nickel	1.4	U
Selenium	0.42	
Silver	0.47	U
Thallium	0.19	U
Tin	4.7	U
Vanadium	0.94	U
Zinc	23.3	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	13.1	
4,4'-DDE	34.1	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	27	
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	560	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U

PARAMETER	RESULT	QUAL
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	280	U
1,2,4-trichlorobenzene	400	U
1,2-dichlorobenzene	280	U
1,3,5-trinitrobenzene	2800	U
1,3-dichlorobenzene	280	U
1,3-dinitrobenzene	800	U
1,4-dichlorobenzene	280	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	560	UR
1-naphthylamine	560	U
2,3,4,6-tetrachlorophenol	560	U
2,4,5-trichlorophenol	1200	U
2,4,6-trichlorophenol	1200	U
2,4-dichlorophenol	560	U
2,4-dimethylphenol	560	U
2,4-dinitrophenol	5200	U
2,4-dinitrotoluene	560	UR
2,6-dichlorophenol	280	U
2,6-dinitrotoluene	560	U
2-acetylaminofluorene	560	UR
2-chloronaphthalene	280	U
2-chlorophenol	560	U
2-methyl-4,6-dinitrophenol	4000	U
2-methylnaphthalene	400	U
2-methylphenol	560	U
2-naphthylamine	560	U
2-nitroaniline	1200	U
2-nitrophenol	560	U
2-picoline	560	U
3,3'-dichlorobenzidine	2000	U
3,3'-dimethylbenzidine	560	U
3-methylcholanthrene	560	U
3-methylphenol	560	U
3-nitroaniline	1200	U
4-aminobiphenyl	280	U
4-bromophenyl phenyl ether	560	U
4-chloro-3-methylphenol	560	U
4-chloroaniline	1200	U
4-chlorophenyl phenyl ether	400	U
4-methylphenol	560	U
4-nitroaniline	1200	U
4-nitrophenol	2000	UR

PARAMETER	RESULT	QUAL
4-nitroquinoline-1-oxide	1200	U
5-nitro-o-toluidine	560	U
7,12-dimethylbenz(a)anthracene	560	U
a,a-dimethylphenethylamine	2000	UR
Acenaphthene	280	U
Acenaphthylene	280	U
Acetophenone	280	U
Aniline	560	U
Anthracene	280	U
Aramite	1400	U
Benzo(a)anthracene	400	U
Benzo(a)pyrene	560	U
Benzo(b)fluoranthene	400	U
Benzo(g,h,i)perylene	640	U
Benzo(k)fluoranthene	400	U
Benzyl alcohol	560	U
Bis(2-chloroethoxy)methane	280	U
Bis(2-chloroethyl)ether	280	U
Bis(2-ethylhexyl)phthalate	400	U
Butyl benzyl phthalate	400	U
Chrysene	400	U
Di-n-butyl phthalate	280	U
Di-n-octyl phthalate	560	U
Diallate	280	U
Dibenzo(a,h)anthracene	640	U
Dibenzofuran	280	UR
Diethyl phthalate	280	U
Dimethyl phthalate	400	U
Diphenylamine	280	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	280	U
Fluoranthene	280	U
Fluorene	280	U
Hexachlorobenzene	400	U
Hexachlorobutadiene	560	U
Hexachlorocyclopentadiene	4000	U
Hexachloroethane	400	U
Hexachlorophene	64000	U
Hexachloropropene	560	U
Indeno(1,2,3-cd)pyrene	640	U
Isophorone	560	U
Isosafrole	280	UR
Methapyrilene	2000	U
Methyl methanesulfonate	280	U
N-nitroso-di-n-butylamine	280	U
N-nitroso-di-n-propylamine	400	U
N-nitrosodiethylamine	280	U
N-nitrosodimethylamine	400	U
N-nitrosodiphenylamine	280	U
N-nitrosomethylethylamine	280	U

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PARAMETER	RESULT	QUAL
N-nitrosomorpholine	280	U
N-nitrosopiperidine	280	U
N-nitrosopyrrolidine	280	U
Naphthalene	280	U
Nitrobenzene	280	U
o-toluidine	280	UR
p-dimethylaminoazobenzene	560	U
p-phenylenediamine	8000	UR
Pentachlorobenzene	280	U
Pentachloroethane	500	U
Pentachloronitrobenzene	1400	UR
Pentachlorophenol	2000	U
Phenacetin	280	U
Phenanthrene	280	U
Phenol	560	U
Pronamide	280	U
Pyrene	280	U
Pyridine	560	U
Safrole	280	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	U
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	280	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U

PARAMETER	RESULT	QUAL
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG3F-15 (96) FISH	**SHEEPSHEAD MINNOW**	
Inorganics (mg/kg)		
Antimony	4.9	U
Arsenic	0.98	UJ
Barium	1.1	
Beryllium	0.39	U
Cadmium	0.49	U
Chromium	0.98	U
Cobalt	0.98	U
Copper	4	
Lead	8.1	
Mercury	0.02	UJ
Nickel	1.5	U
Selenium	0.4	
Silver	0.49	U
Thallium	0.2	U
Tin	4.9	U
Vanadium	0.98	U
Zinc	37.6	J
Pesticides/PCBs (µg/kg)		
4,4'-DDD	12.2	
4,4'-DDE	23.6	
4,4'-DDT	1.1	U
Aldrin	1.1	U
alpha-BHC	1.1	U
alpha-chlordane	1.1	U
Aroclor-1016	22	U

PARAMETER	RESULT	QUAL
Aroclor-1221	22	U
Aroclor-1232	22	U
Aroclor-1242	22	U
Aroclor-1248	22	U
Aroclor-1254	22	U
Aroclor-1260	22	U
beta-BHC	1.1	U
Chlordane	5.6	U
Chlorobenzilate	2300	U
delta-BHC	1.1	U
Dieldrin	1.1	U
Endosulfan I	1.1	U
Endosulfan II	1.1	U
Endosulfan sulfate	1.1	U
Endrin	1.1	U
Endrin aldehyde	1.1	U
gamma-BHC (lindane)	1.1	U
gamma-chlordane	1.1	U
Heptachlor	1.1	U
Heptachlor epoxide	1.1	U
Isodrin	1.1	U
Kepone	222	UJ
Methoxychlor	1.1	U
Toxaphene	111	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	1200	U
1,2,4-trichlorobenzene	1700	U
1,2-dichlorobenzene	1200	U
1,3,5-trinitrobenzene	12000	U
1,3-dichlorobenzene	1200	U
1,3-dinitrobenzene	3300	U
1,4-dichlorobenzene	1200	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	2300	U
1-naphthylamine	2300	U
2,3,4,6-tetrachlorophenol	2300	U
2,4,5-trichlorophenol	5000	U
2,4,6-trichlorophenol	5000	U
2,4-dichlorophenol	2300	U
2,4-dimethylphenol	2300	U
2,4-dinitrophenol	22000	U
2,4-dinitrotoluene	2300	U
2,6-dichlorophenol	1200	U
2,6-dinitrotoluene	2300	U
2-acetylaminofluorene	2300	U
2-chloronaphthalene	1200	U
2-chlorophenol	2300	U
2-methyl-4,6-dinitrophenol	17000	U
2-methylnaphthalene	1700	U
2-methylphenol	2300	U

PARAMETER	RESULT	QUAL
2-naphthylamine	2300	U
2-nitroaniline	5000	U
2-nitrophenol	2300	U
2-picoline	2300	U
3,3'-dichlorobenzidine	8300	UJ
3,3'-dimethylbenzidine	2300	U
3-methylcholanthrene	2300	U
3-methylphenol	2300	U
3-nitroaniline	5000	UJ
4-aminobiphenyl	1200	U
4-bromophenyl phenyl ether	2300	U
4-chloro-3-methylphenol	2300	U
4-chloroaniline	5000	UJ
4-chlorophenyl phenyl ether	1700	U
4-methylphenol	2300	U
4-nitroaniline	5000	U
4-nitrophenol	8300	U
4-nitroquinoline-1-oxide	5000	U
5-nitro-o-toluidine	2300	U
7,12-dimethylbenz(a)anthracene	2300	U
a,a-dimethylphenethylamine	8300	U
Acenaphthene	1200	U
Acenaphthylene	1200	U
Acetophenone	1200	U
Aniline	2300	U
Anthracene	1200	U
Aramite	6000	U
Benzo(a)anthracene	1700	U
Benzo(a)pyrene	2300	U
Benzo(b)fluoranthene	1700	U
Benzo(g,h,i)perylene	2700	U
Benzo(k)fluoranthene	1700	UJ
Benzyl alcohol	2300	U
Bis(2-chloroethoxy)methane	1200	U
Bis(2-chloroethyl)ether	1200	U
Bis(2-ethylhexyl)phthalate	1700	U
Butyl benzyl phthalate	1700	U
Chrysene	1700	U
Di-n-butyl phthalate	1200	U
Di-n-octyl phthalate	2300	U
Diallate	1200	U
Dibenzo(a,h)anthracene	2700	U
Dibenzofuran	1200	U
Diethyl phthalate	1200	U
Dimethyl phthalate	1700	U
Diphenylamine	1200	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	1200	U
Fluoranthene	1200	U
Fluorene	1200	U

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PARAMETER	RESULT	QUAL
Hexachlorobenzene	1700	U
Hexachlorobutadiene	2300	U
Hexachlorocyclopentadiene	17000	U
Hexachloroethane	1700	U
Hexachlorophene	270000	U
Hexachloropropene	2300	U
Indeno(1,2,3-cd)pyrene	2700	U
Isophorone	2300	U
Isosafrole	1200	U
Methapyrilene	8300	U
Methyl methanesulfonate	1200	U
N-nitroso-di-n-butylamine	1200	U
N-nitroso-di-n-propylamine	1700	U
N-nitrosodiethylamine	1200	U
N-nitrosodimethylamine	1700	U
N-nitrosodiphenylamine	1200	U
N-nitrosomethylethylamine	1200	U
N-nitrosomorpholine	1200	U
N-nitrosopiperidine	1200	U
N-nitrosopyrrolidine	1200	U
Naphthalene	1200	U
Nitrobenzene	1200	U
o-toluidine	1200	U
p-dimethylaminoazobenzene	2300	U
p-phenylenediamine	33000	U
Pentachlorobenzene	1200	U
Pentachloroethane	500	U
Pentachloronitrobenzene	5800	U
Pentachlorophenol	8300	U
Phenacetin	1200	U
Phenanthrene	1200	U
Phenol	2300	U
Pronamide	1200	U
Pyrene	1200	U
Pyridine	2300	U
Safrole	1200	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chlor[illegible]tadiene	1000	U

PARAMETER	RESULT	QUAL
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	1200	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG3F-18 (96) FISH	**SHEEPSHEAD MINNOW**	
Inorganics (mg/kg)		
Antimony	4.9	U
Arsenic	0.99	UJ
Barium	0.97	
Beryllium	0.39	U
Cadmium	0.49	U
Chromium	0.99	U
Cobalt	0.99	U
Copper	3.3	

PARAMETER	RESULT	QUAL
Lead	11.3	
Mercury	0.02	UJ
Nickel	1.5	U
Selenium	0.45	
Silver	0.49	U
Thallium	0.2	U
Tin	4.9	U
Vanadium	0.99	U
Zinc	45.5	J
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.4	
4,4'-DDE	21.2	
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	2100	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	1100	U
1,2,4-trichlorobenzene	1500	U
1,2-dichlorobenzene	1100	U
1,3,5-trinitrobenzene	11000	U
1,3-dichlorobenzene	1100	U
1,3-dinitrobenzene	3000	U
1,4-dichlorobenzene	1100	U
1,4-dioxane	10000	UR

PARAMETER	RESULT	QUAL
1,4-naphthoquinone	2100	U
1-naphthylamine	2100	U
2,3,4,6-tetrachlorophenol	2100	U
2,4,5-trichlorophenol	4500	U
2,4,6-trichlorophenol	4500	U
2,4-dichlorophenol	2100	U
2,4-dimethylphenol	2100	U
2,4-dinitrophenol	20000	U
2,4-dinitrotoluene	2100	U
2,6-dichlorophenol	1100	U
2,6-dinitrotoluene	2100	U
2-acetylaminofluorene	2100	U
2-chloronaphthalene	1100	U
2-chlorophenol	2100	U
2-methyl-4,6-dinitrophenol	15000	U
2-methylnaphthalene	1500	U
2-methylphenol	2100	U
2-naphthylamine	2100	U
2-nitroaniline	4500	U
2-nitrophenol	2100	U
2-picoline	2100	U
3,3'-dichlorobenzidine	7500	UJ
3,3'-dimethylbenzidine	2100	U
3-methylcholanthrene	2100	U
3-methylphenol	2100	U
3-nitroaniline	4500	UJ
4-aminobiphenyl	1100	U
4-bromophenyl phenyl ether	2100	U
4-chloro-3-methylphenol	2100	U
4-chloroaniline	4500	UJ
4-chlorophenyl phenyl ether	1500	U
4-methylphenol	2100	U
4-nitroaniline	4500	U
4-nitrophenol	7500	U
4-nitroquinoline-1-oxide	4500	U
5-nitro-o-toluidine	2100	U
7,12-dimethylbenz(a)anthracene	2100	U
a,a-dimethylphenethylamine	7500	U
Acenaphthene	1100	U
Acenaphthylene	1100	U
Acetophenone	1100	U
Aniline	2100	U
Anthracene	1100	U
Aramite	5400	U
Benzo(a)anthracene	1500	U
Benzo(a)pyrene	2100	U
Benzo(b)fluoranthene	1500	U
Benzo(g,h,i)perylene	2400	U
Benzo(k)fluoranthene	1500	UJ
Benzyl alcohol	[illegible]100	U

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PARAMETER	RESULT	QUAL
Bis(2-chloroethoxy)methane	1100	U
Bis(2-chloroethyl)ether	1100	U
Bis(2-ethylhexyl)phthalate	1500	U
Butyl benzyl phthalate	1500	U
Chrysene	1500	U
Di-n-butyl phthalate	1100	U
Di-n-octyl phthalate	2100	U
Diallate	1100	U
Dibenzo(a,h)anthracene	2400	U
Dibenzofuran	1100	U
Diethyl phthalate	1100	U
Dimethyl phthalate	1500	U
Diphenylamine	1100	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	1100	U
Fluoranthene	1100	U
Fluorene	1100	U
Hexachlorobenzene	1500	U
Hexachlorobutadiene	2100	U
Hexachlorocyclopentadiene	15000	U
Hexachloroethane	1500	U
Hexachlorophene	240000	U
Hexachloropropene	2100	U
Indeno(1,2,3-cd)pyrene	2400	U
Isophorone	2100	U
Isosafrole	1100	U
Methapyrilene	7500	U
Methyl methanesulfonate	1100	U
N-nitroso-di-n-butylamine	1100	U
N-nitroso-di-n-propylamine	1500	U
N-nitrosodiethylamine	1100	U
N-nitrosodimethylamine	1500	U
N-nitrosodiphenylamine	1100	U
N-nitrosomethylethylamine	1100	U
N-nitrosomorpholine	1100	U
N-nitrosopiperidine	1100	U
N-nitrosopyrrolidine	1100	U
Naphthalene	1100	U
Nitrobenzene	1100	U
o-toluidine	1100	U
p-dimethylaminoazobenzene	2100	U
p-phenylenediamine	30000	U
Pentachlorobenzene	1100	U
Pentachloroethane	500	U
Pentachloronitrobenzene	5300	U
Pentachlorophenol	7500	U
Phenacetin	1100	U
Phenanthrene	1100	U
Phenol	2100	U
Pronamide	1100	U

PARAMETER	RESULT	QUAL
Pyrene	1100	U
Pyridine	2100	U
Safrole	1100	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	1100	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U

PARAMETER	RESULT	QUAL
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG3BV-01 (96) OYSTER		**OYSTER**
Inorganics (mg/kg)		
Antimony	4.9	U
Arsenic	2.4	J
Barium	0.49	U
Beryllium	0.39	U
Cadmium	0.49	U
Chromium	0.98	U
Cobalt	0.98	U
Copper	3.8	
Lead	0.15	U
Mercury	0.08	J
Nickel	1.5	U
Selenium	1.4	
Silver	5.5	J
Thallium	0.2	U
Tin	4.9	U
Vanadium	0.98	U
Zinc	1570	J
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1	U
4,4'-DDE	1	U
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	2100	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U

PARAMETER	RESULT	QUAL
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	1100	U
1,2,4-trichlorobenzene	1500	U
1,2-dichlorobenzene	1100	U
1,3,5-trinitrobenzene	11000	U
1,3-dichlorobenzene	1100	U
1,3-dinitrobenzene	3000	U
1,4-dichlorobenzene	1100	U
1,4-dioxane	10000	UR
1,4-naphthoquinone	2100	U
1-naphthylamine	2100	U
2,3,4,6-tetrachlorophenol	2100	U
2,4,5-trichlorophenol	4500	U
2,4,6-trichlorophenol	4500	U
2,4-dichlorophenol	2100	U
2,4-dimethylphenol	2100	U
2,4-dinitrophenol	20000	U
2,4-dinitrotoluene	2100	U
2,6-dichlorophenol	1100	U
2,6-dinitrotoluene	2100	U
2-acetylaminofluorene	2100	U
2-chloronaphthalene	1100	U
2-chlorophenol	2100	U
2-methyl-4,6-dinitrophenol	15000	U
2-methylnaphthalene	1500	U
2-methylphenol	2100	U
2-naphthylamine	2100	U
2-nitroaniline	4500	U
2-nitrophenol	2100	U
2-picoline	2100	U
3,3'-dichlorobenzidine	7500	UJ
3,3'-dimethylbenzidine	2100	U
3-methylcholanthrene	2100	U
3-methylphenol	2100	U
3-nitroaniline	4500	UJ
4-aminobiphenyl	1100	U
4-bromophenyl phenyl ether	2100	U
4-chloro-3-methylphenol	2100	U
4-chloroaniline	4500	UJ
4-chlorophenyl phenyl ether	1500	U
4-methylphenol	2100	U
4-nitroaniline	4500	U

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PARAMETER	RESULT	QUAL
4-nitrophenol	7500	U
4-nitroquinoline-1-oxide	4500	U
5-nitro-o-toluidine	2100	U
7,12-dimethylbenz(a)anthracene	2100	U
a,a-dimethylphenethylamine	7500	U
Acenaphthene	1100	U
Acenaphthylene	1100	U
Acetophenone	1100	U
Aniline	2100	U
Anthracene	1100	U
Aramite	5400	U
Benzo(a)anthracene	1500	U
Benzo(a)pyrene	2100	U
Benzo(b)fluoranthene	1500	U
Benzo(g,h,i)perylene	2400	U
Benzo(k)fluoranthene	1500	UJ
Benzyl alcohol	2100	U
Bis(2-chloroethoxy)methane	1100	U
Bis(2-chloroethyl)ether	1100	U
Bis(2-ethylhexyl)phthalate	1500	U
Butyl benzyl phthalate	1500	U
Chrysene	1500	U
Di-n-butyl phthalate	1100	U
Di-n-octyl phthalate	2100	U
Diallate	1100	U
Dibenzo(a,h)anthracene	2400	U
Dibenzofuran	1100	U
Diethyl phthalate	1100	U
Dimethyl phthalate	1500	U
Diphenylamine	1100	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	1100	U
Fluoranthene	1100	U
Fluorene	1100	U
Hexachlorobenzene	1500	U
Hexachlorobutadiene	2100	U
Hexachlorocyclopentadiene	15000	U
Hexachloroethane	1500	U
Hexachlorophene	240000	U
Hexachloropropene	2100	U
Indeno(1,2,3-cd)pyrene	2400	U
Isophorone	2100	U
Isosafrole	1100	U
Methapyrilene	7500	U
Methyl methanesulfonate	1100	U
N-nitroso-di-n-butylamine	1100	U
N-nitroso-di-n-propylamine	1500	U
N-nitrosodiethylamine	1100	U
N-nitrosodimethylamine	1500	U
N-nitroso[illegible]ylamine	1100	U

PARAMETER	RESULT	QUAL
N-nitrosomethylethylamine	1100	U
N-nitrosomorpholine	1100	U
N-nitrosopiperidine	1100	U
N-nitrosopyrrolidine	1100	U
Naphthalene	1100	U
Nitrobenzene	1100	U
o-toluidine	1100	U
p-dimethylaminoazobenzene	2100	U
p-phenylenediamine	30000	U
Pentachlorobenzene	1100	U
Pentachloroethane	500	U
Pentachloronitrobenzene	5300	U
Pentachlorophenol	7500	U
Phenacetin	1100	U
Phenanthrene	1100	U
Phenol	2100	U
Pronamide	1100	U
Pyrene	1100	U
Pyridine	4200	
Safrole	1100	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	1100	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U

PARAMETER	RESULT	QUAL
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U
BG3BV-02 (96) OYSTER		**OYSTER**
Inorganics (mg/kg)		
Antimony	4.7	U
Arsenic	3.4	J
Barium	0.47	U
Beryllium	0.38	U
Cadmium	0.47	U
Chromium	0.95	U
Cobalt	0.95	U
Copper	1.7	
Lead	0.14	U
Mercury	0.06	J
Nickel	1.4	U
Selenium	1.3	
Silver	3.8	J
Thallium	0.19	U
Tin	4.7	U
Vanadium	0.95	U
Zinc	582	J
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1	U
4,4'-DDE	1	U
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U

PARAMETER	RESULT	QUAL
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	4200	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	2100	U
1,2,4-trichlorobenzene	3000	U
1,2-dichlorobenzene	2100	U
1,3,5-trinitrobenzene	21000	U
1,3-dichlorobenzene	2100	U
1,3-dinitrobenzene	6000	U
1,4-dichlorobenzene	2100	U
1,4-dioxane	40000	UR
1,4-naphthoquinone	4200	U
1-naphthylamine	4200	U
2,3,4,6-tetrachlorophenol	4200	U
2,4,5-trichlorophenol	9000	U
2,4,6-trichlorophenol	9000	U
2,4-dichlorophenol	4200	U
2,4-dimethylphenol	4200	U
2,4-dinitrophenol	39000	U
2,4-dinitrotoluene	4200	U
2,6-dichlorophenol	2100	U
2,6-dinitrotoluene	4200	U
2-acetylaminofluorene	4200	U
2-chloronaphthalene	2100	U
2-chlorophenol	4200	U
2-methyl-4,6-dinitrophenol	30000	U
2-methylnaphthalene	[illegible]00	U

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PARAMETER	RESULT	QUAL
2-methylphenol	4200	U
2-naphthylamine	4200	U
2-nitroaniline	9000	U
2-nitrophenol	4200	U
2-picoline	4200	U
3,3'-dichlorobenzidine	15000	UJ
3,3'-dimethylbenzidine	4200	U
3-methylcholanthrene	4200	U
3-methylphenol	4200	U
3-nitroaniline	9000	UJ
4-aminobiphenyl	2100	U
4-bromophenyl phenyl ether	4200	U
4-chloro-3-methylphenol	4200	U
4-chloroaniline	9000	UJ
4-chlorophenyl phenyl ether	3000	U
4-methylphenol	4200	U
4-nitroaniline	9000	U
4-nitrophenol	15000	U
4-nitroquinoline-1-oxide	9000	U
5-nitro-o-toluidine	4200	U
7,12-dimethylbenz(a)anthracene	4200	U
a,a-dimethylphenethylamine	15000	U
Acenaphthene	2100	U
Acenaphthylene	2100	U
Acetophenone	2100	U
Aniline	4200	U
Anthracene	2100	U
Aramite	11000	U
Benzo(a)anthracene	3000	U
Benzo(a)pyrene	4200	U
Benzo(b)fluoranthene	3000	U
Benzo(g,h,i)perylene	4800	U
Benzo(k)fluoranthene	3000	UJ
Benzyl alcohol	4200	U
Bis(2-chloroethoxy)methane	2100	U
Bis(2-chloroethyl)ether	2100	U
Bis(2-ethylhexyl)phthalate	3000	U
Butyl benzyl phthalate	3000	U
Chrysene	3000	U
Di-n-butyl phthalate	2100	U
Di-n-octyl phthalate	4200	U
Diallate	2100	U
Dibenzo(a,h)anthracene	4800	U
Dibenzofuran	2100	U
Diethyl phthalate	2100	U
Dimethyl phthalate	3000	U
Diphenylamine	2100	U
Ethyl methacrylate	2000	U
Ethyl methanesulfonate	2100	U
Fluoranthene	2100	U

PARAMETER	RESULT	QUAL
Fluorene	2100	U
Hexachlorobenzene	3000	U
Hexachlorobutadiene	4200	U
Hexachlorocyclopentadiene	30000	U
Hexachloroethane	3000	U
Hexachlorophene	480000	U
Hexachloropropene	4200	U
Indeno(1,2,3-cd)pyrene	4800	U
Isophorone	4200	U
Isosafrole	2100	U
Methapyrilene	15000	U
Methyl methanesulfonate	2100	U
N-nitroso-di-n-butylamine	2100	U
N-nitroso-di-n-propylamine	3000	U
N-nitrosodiethylamine	2100	U
N-nitrosodimethylamine	3000	U
N-nitrosodiphenylamine	2100	U
N-nitrosomethylethylamine	2100	U
N-nitrosomorpholine	2100	U
N-nitrosopiperidine	2100	U
N-nitrosopyrrolidine	2100	U
Naphthalene	2100	U
Nitrobenzene	2100	U
o-toluidine	2100	U
p-dimethylaminoazobenzene	4200	U
p-phenylenediamine	60000	U
Pentachlorobenzene	2100	U
Pentachloroethane	2000	U
Pentachloronitrobenzene	11000	U
Pentachlorophenol	15000	U
Phenacetin	2100	U
Phenanthrene	2100	U
Phenol	4200	U
Pronamide	2100	U
Pyrene	2100	U
Pyridine	20000	
Safrole	2100	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	2000	U
1,1,1-trichloroethane	2000	U
1,1,2,2-tetrachloroethane	2000	U
1,1,2-trichloroethane	2000	U
1,1-dichloroethane	2000	U
1,1-dichloroethene	2000	U
1,2,3-trichloropropane	2000	U
1,2-dibromo-3-chloropropane	4000	U
1,2-dibromoethane	2000	U
1,2-dichloroethane	2000	U
1,2-dichloropropane	2000	U
2-butanone	8000	U

PARAMETER	RESULT	QUAL
2-chloro-1,3-butadiene	4000	U
2-hexanone	8000	U
3-chloropropene	20000	U
4-methyl-2-pentanone	8000	U
Acetone	4000	U
Acetonitrile	20000	U
Acrolein	4000	U
Acrylonitrile	4000	U
Benzene	2000	U
Bis(2-chloroisopropyl)ether	2100	U
Bromodichloromethane	2000	U
Bromoform	2000	U
Bromomethane	4000	U
Carbon disulfide	2000	U
Carbon tetrachloride	2000	U
Chlorobenzene	2000	U
Chloroethane	8000	U
Chloroform	2000	U
Chloromethane	4000	U
Cis-1,3-dichloropropene	2000	U
Dibromochloromethane	2000	U
Dibromomethane	2000	U
Dichlorodifluoromethane	2000	U
Ethyl cyanide	2000	U
Ethylbenzene	2000	U
Iodomethane	2000	U
Isobutanol	40000	UR
Methacrylonitrile	2000	U
Methyl methacrylate	2000	U
Methylene chloride	2000	U
Styrene	2000	U
Tetrachloroethene	2000	U
Toluene	2000	U
Trans-1,2-dichloroethene	2000	U
Trans-1,3-dichloropropene	2000	U
Trans-1,4-dichloro-2-butene	2000	U
Trichloroethene	2000	U
Trichlorofluoromethane	2000	U
Vinyl acetate	4000	U
Vinyl chloride	4000	U
Xylenes, total	2000	U
BG3BV-03 (96) OYSTER		**OYSTER**
Inorganics (mg/kg)		
Antimony	4.7	U
Arsenic	3.7	J
Barium	0.47	U
Beryllium	0.38	U
Cadmium	0.47	U
Chromium	0.94	U
Cobalt	0.94	U

PARAMETER	RESULT	QUAL
Copper	1.7	
Lead	0.14	U
Mercury	0.05	J
Nickel	1.4	U
Selenium	1.2	
Silver	4.3	J
Thallium	0.19	U
Tin	4.7	U
Vanadium	0.94	U
Zinc	647	J
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1	U
4,4'-DDE	1	U
4,4'-DDT	1	U
Aldrin	1	U
alpha-BHC	1	U
alpha-chlordane	1	U
Aroclor-1016	20	U
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	20	U
beta-BHC	1	U
Chlordane	5	U
Chlorobenzilate	4200	U
delta-BHC	1	U
Dieldrin	1	U
Endosulfan I	1	U
Endosulfan II	1	U
Endosulfan sulfate	1	U
Endrin	1	U
Endrin aldehyde	1	U
gamma-BHC (lindane)	1	U
gamma-chlordane	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Isodrin	1	U
Kepone	200	UJ
Methoxychlor	1	U
Toxaphene	100	U
Semivolatile Organic Compounds (µg/kg)		
1,2,4,5-tetrachlorobenzene	2100	U
1,2,4-trichlorobenzene	3000	U
1,2-dichlorobenzene	2100	U
1,3,5-trinitrobenzene	21000	U
1,3-dichlorobenzene	2100	U
1,3-dinitrobenzene	6000	U
1,4-dichlorobenzene	2100	U

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PARAMETER	RESULT	QUAL
1,4-dioxane	10000	UR
1,4-naphthoquinone	4200	U
1-naphthylamine	4200	U
2,3,4,6-tetrachlorophenol	4200	U
2,4,5-trichlorophenol	9000	U
2,4,6-trichlorophenol	9000	U
2,4-dichlorophenol	4200	U
2,4-dimethylphenol	4200	U
2,4-dinitrophenol	39000	U
2,4-dinitrotoluene	4200	U
2,6-dichlorophenol	2100	U
2,6-dinitrotoluene	4200	U
2-acetylaminofluorene	4200	U
2-chloronaphthalene	2100	U
2-chlorophenol	4200	U
2-methyl-4,6-dinitrophenol	30000	U
2-methylnaphthalene	3000	U
2-methylphenol	4200	U
2-naphthylamine	4200	U
2-nitroaniline	9000	U
2-nitrophenol	4200	U
2-picoline	4200	U
3,3'-dichlorobenzidine	15000	UJ
3,3'-dimethylbenzidine	4200	U
3-methylcholanthrene	4200	U
3-methylphenol	4200	U
3-nitroaniline	9000	UJ
4-aminobiphenyl	2100	U
4-bromophenyl phenyl ether	4200	U
4-chloro-3-methylphenol	4200	U
4-chloroaniline	9000	UJ
4-chlorophenyl phenyl ether	3000	U
4-methylphenol	4200	U
4-nitroaniline	9000	U
4-nitrophenol	15000	U
4-nitroquinoline-1-oxide	9000	U
5-nitro-o-toluidine	4200	U
7,12-dimethylbenz(a)anthracene	4200	U
a,a-dimethylphenethylamine	15000	U
Acenaphthene	2100	U
Acenaphthylene	2100	U
Acetophenone	2100	U
Aniline	4200	U
Anthracene	2100	U
Aramite	11000	U
Benzo(a)anthracene	3000	U
Benzo(a)pyrene	4200	U
Benzo(b)fluoranthene	3000	U
Benzo(g,h,i)perylene	4800	U
Benzo([illegible] thene	3000	UJ

PARAMETER	RESULT	QUAL
Benzyl alcohol	4200	U
Bis(2-chloroethoxy)methane	2100	U
Bis(2-chloroethyl)ether	2100	U
Bis(2-ethylhexyl)phthalate	3000	U
Butyl benzyl phthalate	3000	U
Chrysene	3000	U
Di-n-butyl phthalate	2100	U
Di-n-octyl phthalate	4200	U
Diallate	2100	U
Dibenzo(a,h)anthracene	4800	U
Dibenzofuran	2100	U
Diethyl phthalate	2100	U
Dimethyl phthalate	3000	U
Diphenylamine	2100	U
Ethyl methacrylate	500	U
Ethyl methanesulfonate	2100	U
Fluoranthene	2100	U
Fluorene	2100	U
Hexachlorobenzene	3000	U
Hexachlorobutadiene	4200	U
Hexachlorocyclopentadiene	30000	U
Hexachloroethane	3000	U
Hexachlorophene	480000	U
Hexachloropropene	4200	U
Indeno(1,2,3-cd)pyrene	4800	U
Isophorone	4200	U
Isosafrole	2100	U
Methapyrilene	15000	U
Methyl methanesulfonate	2100	U
N-nitroso-di-n-butylamine	2100	U
N-nitroso-di-n-propylamine	3000	U
N-nitrosodiethylamine	2100	U
N-nitrosodimethylamine	3000	U
N-nitrosodiphenylamine	2100	U
N-nitrosomethylethylamine	2100	U
N-nitrosomorpholine	2100	U
N-nitrosopiperidine	2100	U
N-nitrosopyrrolidine	2100	U
Naphthalene	2100	U
Nitrobenzene	2100	U
o-toluidine	2100	U
p-dimethylaminoazobenzene	4200	U
p-phenylenediamine	60000	U
Pentachlorobenzene	2100	U
Pentachloroethane	500	U
Pentachloronitrobenzene	11000	U
Pentachlorophenol	15000	U
Phenacetin	2100	U
Phenanthrene	2100	U
Phenol	4200	U

PARAMETER	RESULT	QUAL
Pronamide	2100	U
Pyrene	2100	U
Pyridine	11000	
Safrole	2100	U
Volatile Organic Compounds (µg/kg)		
1,1,1,2-tetrachloroethane	500	U
1,1,1-trichloroethane	500	U
1,1,2,2-tetrachloroethane	500	U
1,1,2-trichloroethane	500	U
1,1-dichloroethane	500	U
1,1-dichloroethene	500	U
1,2,3-trichloropropane	500	U
1,2-dibromo-3-chloropropane	1000	U
1,2-dibromoethane	500	U
1,2-dichloroethane	500	U
1,2-dichloropropane	500	U
2-butanone	2000	UR
2-chloro-1,3-butadiene	1000	U
2-hexanone	2000	U
3-chloropropene	5000	U
4-methyl-2-pentanone	2000	U
Acetone	1000	U
Acetonitrile	5000	U
Acrolein	1000	U
Acrylonitrile	1000	U
Benzene	500	U
Bis(2-chloroisopropyl)ether	2100	U
Bromodichloromethane	500	U
Bromoform	500	U
Bromomethane	1000	U
Carbon disulfide	500	U
Carbon tetrachloride	500	U
Chlorobenzene	500	U
Chloroethane	2000	U
Chloroform	500	U
Chloromethane	1000	U
Cis-1,3-dichloropropene	500	U
Dibromochloromethane	500	U
Dibromomethane	500	U
Dichlorodifluoromethane	500	U
Ethyl cyanide	500	U
Ethylbenzene	500	U
Iodomethane	500	U
Isobutanol	10000	UR
Methacrylonitrile	500	U
Methyl methacrylate	500	U
Methylene chloride	500	U
Styrene	500	U
Tetrachloroethene	500	U
Toluene	500	U

PARAMETER	RESULT	QUAL
Trans-1,2-dichloroethene	500	U
Trans-1,3-dichloropropene	500	U
Trans-1,4-dichloro-2-butene	500	U
Trichloroethene	500	U
Trichlorofluoromethane	500	U
Vinyl acetate	1000	U
Vinyl chloride	1000	U
Xylenes, total	500	U

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PARAMETER	RESULT	QUAL
BG4		
B4CH-24 CONCH MILK CONCH		
Inorganics (mg/kg)		
Aluminum	1.6	U
Antimony	1.9	U
Arsenic	5.4	
Barium	0.12	U
Beryllium	0.17	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	10.5	
Iron	7.6	U
Lead	0.32	U
Manganese	4.2	
Mercury	0.05	U
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	12.8	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.2	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	66	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	0.18	J
Endosulfan sulfate	3.3	U
Endrin	0.081	J
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U

PARAMETER	RESULT	QUAL
Toxaphene	170	U
B4CH-16 CONCH VASE CONCH		
Inorganics (mg/kg)		
Aluminum	1.6	U
Antimony	1.9	U
Arsenic	36.2	
Barium	0.04	U
Beryllium	0.06	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.28	U
Copper	10.6	
Iron	10.9	U
Lead	0.32	U
Manganese	1.9	
Mercury	0.05	U
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	15.1	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.12	J
4,4'-DDE	4.2	U
4,4'-DDT	1.7	J
Aldrin	0.26	J
alpha-BHC	2.2	U
Aroclor-1016	42	U
Aroclor-1221	85	U
Aroclor-1232	42	U
Aroclor-1242	42	U
Aroclor-1248	42	U
Aroclor-1254	42	U
Aroclor-1260	42	U
beta-BHC	0.8	J
Chlordane	22	U
Chlorobenzilate	54	
delta-BHC	2.2	U
Dieldrin	0.58	J
Endosulfan I	0.33	J
Endosulfan II	4.2	U
Endosulfan sulfate	4.2	U
Endrin	4.2	U
Endrin aldehyde	0.64	J
gamma-BHC (lindane)	0.25	J
Heptachlor	2.2	U
Heptachlor epoxide	2.2	U
Isodrin	4.2	U
Methoxychlor	22	U

PARAMETER	RESULT	QUAL
Toxaphene	220	U
B4CH-22 CONCH VASE CONCH		
Inorganics (mg/kg)		
Aluminum	1.6	U
Antimony	1.9	U
Arsenic	28.6	
Barium	0.2	U
Beryllium	0.03	U
Cadmium	5.4	
Chromium	0.72	U
Cobalt	0.24	U
Copper	81.7	
Iron	57.1	
Lead	0.32	U
Manganese	2.2	
Mercury	0.03	U
Nickel	0.72	U
Selenium	2.4	
Silver	4.3	
Thallium	0.92	U
Vanadium	98.3	
Zinc	477	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	5.8	U
4,4'-DDE	5.8	U
4,4'-DDT	5.8	U
Aldrin	0.23	J
alpha-BHC	3	U
Aroclor-1016	58	U
Aroclor-1221	120	U
Aroclor-1232	58	U
Aroclor-1242	58	U
Aroclor-1248	58	U
Aroclor-1254	58	U
Aroclor-1260	58	U
beta-BHC	0.61	J
Chlordane	30	U
Chlorobenzilate	11	J
delta-BHC	3	U
Dieldrin	5.8	U
Endosulfan I	0.31	J
Endosulfan II	0.94	J
Endosulfan sulfate	5.8	U
Endrin	0.22	J
Endrin aldehyde	1.2	J
gamma-BHC (lindane)	0.2	J
Heptachlor	0.23	J
Heptachlor epoxide	3	U
Isodrin	5.8	U
Methoxychlor	2.6	J

PARAMETER	RESULT	QUAL
Toxaphene	300	U
B4CH-23 CONCH VASE CONCH		
Inorganics (mg/kg)		
Aluminum	2	U
Antimony	1.9	U
Arsenic	30.1	
Barium	0.04	U
Beryllium	0.04	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	11.4	
Iron	23.9	U
Lead	0.32	U
Manganese	1.8	
Mercury	0.03	U
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	3.7	
Zinc	13.8	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	6.3	U
4,4'-DDE	6.3	U
4,4'-DDT	6.3	U
Aldrin	0.13	J
alpha-BHC	3.2	U
Aroclor-1016	63	U
Aroclor-1221	130	U
Aroclor-1232	63	U
Aroclor-1242	63	U
Aroclor-1248	63	U
Aroclor-1254	63	U
Aroclor-1260	63	U
beta-BHC	0.98	J
Chlordane	32	U
Chlorobenzilate	32	U
delta-BHC	3.2	U
Dieldrin	6.3	U
Endosulfan I	3.2	U
Endosulfan II	0.65	J
Endosulfan sulfate	6.3	U
Endrin	6.3	U
Endrin aldehyde	0.42	J
gamma-BHC (lindane)	3.2	U
Heptachlor	3.2	U
Heptachlor epoxide	3.2	U
Isodrin	6.3	U
Methoxychlor	1.2	J

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PARAMETER	RESULT	QUAL
Toxaphene	320	U
B4CH-COMP 1 CONCH VASE CONCH		
Inorganics (mg/kg)		
Aluminum	1.6	U
Antimony	1.9	U
Arsenic	44.1	
Barium	0.04	U
Beryllium	0.06	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	9	
Iron	22.7	U
Lead	0.32	U
Manganese	5	
Mercury	0.02	U
Nickel	0.72	
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.58	
Zinc	15.1	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	66	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxy	17	U

PARAMETER	RESULT	QUAL
Toxaphene	170	U
B4CH-COMP 2 CONCH VASE CONCH		
Inorganics (mg/kg)		
Aluminum	1.9	U
Antimony	1.9	U
Arsenic	46.7	
Barium	0.06	U
Beryllium	0.06	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	11.8	
Iron	18	U
Lead	0.32	U
Manganese	0.9	U
Mercury	0.03	U
Nickel	0.72	U
Selenium	1	U
Silver	0.4	
Thallium	0.92	U
Vanadium	0.83	U
Zinc	15.1	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	0.15	J
Aldrin	0.085	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	0.38	J
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	0.16	J
Endosulfan II	0.16	J
Endosulfan sulfate	3.3	U
Endrin	0.24	J
Endrin aldehyde	0.26	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.14	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U

PARAMETER	RESULT	QUAL
Toxaphene	170	U
B4C-12 CRAB SPINY SPIDER CRAB		
Inorganics (mg/kg)		
Aluminum	6.9	U
Antimony	2.4	U
Arsenic	4.1	
Barium	2.5	
Beryllium	0.13	
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	9.5	
Iron	56.2	
Lead	0.46	
Manganese	3.6	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.29	
Thallium	0.81	U
Vanadium	1.3	U
Zinc	11.1	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	0.68	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	0.22	J
Endrin aldehyde	1.7	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U

PARAMETER	RESULT	QUAL
Toxaphene	170	U
B4C-1 CRAB STONE CRAB		
Inorganics (mg/kg)		
Aluminum	2	U
Antimony	2.4	U
Arsenic	18	
Barium	1.2	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	16.5	
Iron	23.5	U
Lead	0.34	U
Manganese	1.5	
Mercury	0.15	
Nickel	0.85	U
Selenium	1	U
Silver	0.55	U
Thallium	0.81	U
Vanadium	0.61	
Zinc	47	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.59	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	0.28	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	31	J
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	0.92	J
Endrin aldehyde	2.3	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	5	J

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PARAMETER	RESULT	QUAL
Toxaphene	170	U
B4C-10 CRAB		**STONE CRAB**
Inorganics (mg/kg)		
Aluminum	10	U
Antimony	2.4	U
Arsenic	6.7	
Barium	3.5	
Beryllium	0.17	
Cadmium	1.7	
Chromium	0.82	U
Cobalt	0.37	U
Copper	5.5	
Iron	36.8	
Lead	0.34	U
Manganese	2.2	
Mercury	0.08	
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	1.5	U
Zinc	9	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.73	J
4,4'-DDE	0.49	J
4,4'-DDT	3.3	U
Aldrin	0.13	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	0.82	J
Endosulfan I	1.7	U
Endosulfan II	0.14	J
Endosulfan sulfate	3.3	U
Endrin	0.4	J
Endrin aldehyde	1.8	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U

PARAMETER	RESULT	QUAL
Toxaphene	170	U
B4C-11 CRAB		**STONE CRAB**
Inorganics (mg/kg)		
Aluminum	2.3	U
Antimony	2.4	U
Arsenic	31	
Barium	1.1	
Beryllium	0.04	U
Cadmium	0.82	
Chromium	0.82	U
Cobalt	0.37	U
Copper	21.3	
Iron	14.2	U
Lead	0.34	U
Manganese	0.85	U
Mercury	0.13	
Nickel	0.85	U
Selenium	1	U
Silver	0.46	
Thallium	0.81	U
Vanadium	0.45	U
Zinc	50.3	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	0.43	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	0.99	J
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	0.37	J
Endrin aldehyde	1.2	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.52	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U

PARAMETER	RESULT	QUAL
Toxaphene	170	U
B4C-2 CRAB		**STONE CRAB**
Inorganics (mg/kg)		
Aluminum	2.2	U
Antimony	2.4	U
Arsenic	28.2	
Barium	0.24	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	26.3	
Iron	22.8	U
Lead	0.34	U
Manganese	0.51	
Mercury	0.17	
Nickel	0.85	U
Selenium	1	U
Silver	0.6	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	58	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.6	J
4,4'-DDE	3.3	U
4,4'-DDT	0.48	J
Aldrin	0.24	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	32	J
delta-BHC	1.7	U
Dieldrin	0.38	J
Endosulfan I	0.4	J
Endosulfan II	2.6	J
Endosulfan sulfate	1.1	J
Endrin	3.3	U
Endrin aldehyde	2	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	0.57	J
Methoxychlor	17	U

PARAMETER	RESULT	QUAL
Toxaphene	170	U
B4C-3 CRAB		**STONE CRAB**
Inorganics (mg/kg)		
Aluminum	3.9	U
Antimony	2.4	U
Arsenic	27.9	
Barium	0.7	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	31.8	
Iron	20.8	U
Lead	0.34	U
Manganese	0.66	
Mercury	0.09	
Nickel	0.85	U
Selenium	1	U
Silver	0.67	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	51.3	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.41	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	0.2	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	0.56	J
Chlordane	17	U
Chlorobenzilate	17	J
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	0.46	J
Endosulfan sulfate	3.3	U
Endrin	0.31	J
Endrin aldehyde	0.34	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U

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PARAMETER	RESULT	QUAL
Toxaphene	170	U
B4C-4 CRAB		**STONE CRAB**
Inorganics (mg/kg)		
Aluminum	3.5	U
Antimony	2.4	U
Arsenic	14.3	
Barium	0.31	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	24.9	
Iron	9.9	U
Lead	0.34	U
Manganese	1.2	
Mercury	0.08	U
Nickel	0.85	U
Selenium	1	U
Silver	0.26	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	42.9	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.3	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	3.4	
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	55	J
delta-BHC	1.7	U
Dieldrin	2.3	J
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	1	J
Endrin aldehyde	1.4	J
gamma-BHC (lindane)	4.3	
Heptachlor	1.7	U
Heptachlor epoxide	8.2	J
Isodrin	0.51	J
Methoxy[illegible]	11	J

PARAMETER	RESULT	QUAL
Toxaphene	170	U
B4C-5 CRAB		**STONE CRAB**
Inorganics (mg/kg)		
Aluminum	1.9	U
Antimony	2.4	U
Arsenic	19.8	
Barium	0.18	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	28.8	
Iron	22.7	U
Lead	0.34	U
Manganese	0.36	
Mercury	0.09	U
Nickel	0.85	U
Selenium	1	U
Silver	0.34	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	32.8	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.52	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	140	J
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	1.6	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U

PARAMETER	RESULT	QUAL
Toxaphene	170	U
B4C-6 CRAB		**STONE CRAB**
Inorganics (mg/kg)		
Aluminum	1.8	U
Antimony	2.4	U
Arsenic	17.6	
Barium	0.18	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	29.9	
Iron	15	U
Lead	0.37	
Manganese	0.74	
Mercury	0.08	U
Nickel	0.85	U
Selenium	1	U
Silver	0.4	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	57.3	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	280	
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	0.37	J
Isodrin	3.3	U
Methoxychlor	17	U

PARAMETER	RESULT	QUAL
Toxaphene	170	U
B4C-7 CRAB		**STONE CRAB**
Inorganics (mg/kg)		
Aluminum	4.6	U
Antimony	2.4	U
Arsenic	14.1	
Barium	1.4	
Beryllium	0.08	
Cadmium	0.8	
Chromium	0.82	U
Cobalt	0.37	U
Copper	19	
Iron	8.8	U
Lead	0.41	
Manganese	1.3	
Mercury	0.08	
Nickel	0.85	U
Selenium	1	U
Silver	0.27	
Thallium	0.81	U
Vanadium	0.45	U
Zinc	37.2	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.87	J
4,4'-DDE	0.37	J
4,4'-DDT	3.3	U
Aldrin	0.29	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	4.4	J
delta-BHC	1.7	U
Dieldrin	0.47	J
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	0.49	J
Endrin aldehyde	1.1	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.048	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U

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PARAMETER	RESULT	QUAL
Toxaphene	170	U
B4C-9 CRAB		**STONE CRAB**
Inorganics (mg/kg)		
Aluminum	2.2	U
Antimony	2.4	U
Arsenic	23.1	
Barium	1.1	
Beryllium	0.04	U
Cadmium	0.84	
Chromium	0.82	U
Cobalt	0.37	U
Copper	60.5	
Iron	22.2	
Lead	0.6	
Manganese	2.3	
Mercury	0.04	
Nickel	0.85	U
Selenium	1	U
Silver	0.92	
Thallium	0.81	U
Vanadium	0.52	U
Zinc	52.7	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.86	J
4,4'-DDE	1.9	J
4,4'-DDT	0.71	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	5.4	J
delta-BHC	1.7	U
Dieldrin	0.82	J
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	2.7	J
Endrin aldehyde	2.8	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.28	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U

PARAMETER	RESULT	QUAL
Toxaphene	170	U
B4L-8 LOBSTER		**LOBSTER**
Inorganics (mg/kg)		
Aluminum	6.3	U
Antimony	1.1	U
Arsenic	20.7	
Barium	0.77	U
Beryllium	0.03	U
Cadmium	0.28	U
Chromium	0.19	U
Cobalt	0.11	U
Copper	25.6	
Iron	5	U
Lead	0.32	U
Manganese	0.51	U
Mercury	0.08	
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.19	U
Zinc	25.8	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	0.65	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U

PARAMETER	RESULT	QUAL
Toxaphene	170	U
B4V-13 VEGETATION		**TURTLE GRASS**
Inorganics (mg/kg)		
Aluminum	10.2	U
Antimony	2.4	U
Arsenic	1.3	
Barium	0.94	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	0.38	U
Iron	26.9	
Lead	0.78	
Manganese	13.2	
Mercury	0.02	
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	1.3	U
Zinc	9.3	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	0.7	J
4,4'-DDT	3.3	U
Aldrin	0.48	J
alpha-BHC	0.5	J
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	0.55	J
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	0.5	J
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	0.17	J
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U

PARAMETER	RESULT	QUAL
Toxaphene	170	U
B4V-14 VEGETATION		**TURTLE GRASS**
Inorganics (mg/kg)		
Aluminum	12.2	
Antimony	1.1	U
Arsenic	0.94	U
Barium	0.41	U
Beryllium	0.02	U
Cadmium	0.11	
Chromium	0.16	U
Cobalt	0.11	U
Copper	0.94	U
Iron	18.9	U
Lead	0.32	U
Manganese	15.9	
Mercury	0.02	U
Nickel	0.52	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.67	U
Zinc	6.9	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.21	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	0.1	J
Endrin aldehyde	18	
gamma-BHC (lindane)	0.13	J
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U

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PARAMETER	RESULT	QUAL
Toxaphene	170	U
B4V-15 VEGETATION TURTLE GRASS		
Inorganics (mg/kg)		
Aluminum	12.4	
Antimony	1.1	U
Arsenic	1.1	U
Barium	0.51	U
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.16	U
Cobalt	0.11	U
Copper	0.85	U
Iron	22	U
Lead	0.41	U
Manganese	15.2	
Mercury	0.01	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.89	U
Zinc	7.9	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	14	
gamma-BHC (lindane)	0.39	J
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxy	17	U

PARAMETER	RESULT	QUAL
Toxaphene	170	U
BG5		
B5CH-30 CONCH FLORIDA HORSE CONCH		
Inorganics (mg/kg)		
Aluminum	1.7	
Antimony	1.9	U
Arsenic	93	
Barium	0.04	U
Beryllium	0.06	U
Cadmium	1.5	
Chromium	0.72	U
Cobalt	0.24	U
Copper	15.6	
Iron	12	U
Lead	0.32	U
Manganese	2.6	
Mercury	0.07	
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	17.8	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	0.19	J
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U

PARAMETER	RESULT	QUAL
Methoxychlor	17	U
Toxaphene	170	U
B5CH-29 CONCH MILK CONCH		
Inorganics (mg/kg)		
Aluminum	1.6	U
Antimony	1.9	U
Arsenic	3.5	
Barium	0.04	U
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	12.8	
Iron	3.6	U
Lead	0.32	U
Manganese	3	
Mercury	0.03	U
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	12.8	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U

PARAMETER	RESULT	QUAL
Methoxychlor	17	U
Toxaphene	170	U
B5C-27 CRAB SPINY SPIDER CRAB		
Inorganics (mg/kg)		
Aluminum	7.3	U
Antimony	2.4	U
Arsenic	5.6	
Barium	2	
Beryllium	0.04	U
Cadmium	2.5	
Chromium	0.82	U
Cobalt	0.37	U
Copper	4.6	U
Iron	32.7	
Lead	0.34	U
Manganese	1.4	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.78	U
Zinc	8.5	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.3	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	0.76	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.35	J
Dieldrin	0.98	J
Endosulfan I	1.7	U
Endosulfan II	0.59	J
Endosulfan sulfate	3.3	U
Endrin	0.89	J
Endrin aldehyde	2.3	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.34	J
Heptachlor epoxide	1.7	U
Isodrin	3	U

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PARAMETER	RESULT	QUAL
Methoxychlor	17	U
Toxaphene	170	U
B5C-28 CRAB	**SPINY SPIDER CRAB**	
Inorganics (mg/kg)		
Aluminum	4.8	U
Antimony	2.4	U
Arsenic	7.7	
Barium	2.4	
Beryllium	0.13	
Cadmium	1.9	
Chromium	0.82	U
Cobalt	0.37	U
Copper	6	
Iron	30.3	
Lead	0.34	U
Manganese	1.7	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.29	
Thallium	0.81	U
Vanadium	1	U
Zinc	10.7	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.65	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	0.59	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	1	J
Endosulfan I	1.7	U
Endosulfan II	0.44	J
Endosulfan sulfate	3.3	U
Endrin	1.6	J
Endrin aldehyde	2.3	J
gamma-BHC (lindane)	0.69	J
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U

PARAMETER	RESULT	QUAL
Methoxychlor	17	U
Toxaphene	170	U
B5L-10 LOBSTER		**LOBSTER**
Inorganics (mg/kg)		
Aluminum	7	U
Antimony	2.4	U
Arsenic	13.7	
Barium	0.95	U
Beryllium	0.04	U
Cadmium	1.1	
Chromium	0.82	U
Cobalt	0.37	U
Copper	30.8	
Iron	5.5	U
Lead	0.34	U
Manganese	1.7	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.45	
Thallium	0.81	U
Vanadium	0.45	U
Zinc	21	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.75	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U

PARAMETER	RESULT	QUAL
Methoxychlor	17	U
Toxaphene	170	U
B5L-11 LOBSTER		**LOBSTER**
Inorganics (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	11.1	
Barium	0.87	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	14.2	
Iron	1.8	U
Lead	0.34	U
Manganese	0.64	U
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.61	U
Zinc	17.9	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	0.12	J
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U

PARAMETER	RESULT	QUAL
Methoxychlor	17	U
Toxaphene	170	U
B5L-12 LOBSTER		**LOBSTER**
Inorganics (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	15.7	
Barium	0.41	U
Beryllium	0.04	U
Cadmium	0.85	
Chromium	0.82	U
Cobalt	0.37	U
Copper	26.7	
Iron	2.9	U
Lead	0.34	U
Manganese	0.5	U
Mercury	0.03	
Nickel	0.85	U
Selenium	1	U
Silver	0.26	
Thallium	0.81	U
Vanadium	0.45	U
Zinc	22.8	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	0.67	J
Endosulfan sulfate	3.3	U
Endrin	0.33	J
Endrin aldehyde	3.1	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.13	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U

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PARAMETER	RESULT	QUAL
Methoxychlor	17	U
Toxaphene	170	U
B5L-13 LOBSTER		**LOBSTER**
Inorganics (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	15.7	
Barium	1.1	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	21.4	
Iron	2.7	U
Lead	0.34	U
Manganese	0.46	U
Mercury	0.03	U
Nickel	0.85	U
Selenium	1	U
Silver	0.3	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	16.3	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	0.14	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	0.14	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U

PARAMETER	RESULT	QUAL
Methoxychlor	17	U
Toxaphene	170	U
B5L-14 LOBSTER		**LOBSTER**
Inorganics (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	12.1	
Barium	0.85	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	25.4	
Iron	2.6	U
Lead	0.46	U
Manganese	0.73	U
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.32	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	16.2	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	0.076	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	0.025	J
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U

PARAMETER	RESULT	QUAL
Methoxychlor	17	U
Toxaphene	170	U
B5L-15 LOBSTER		**LOBSTER**
Inorganics (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	4.7	
Barium	0.3	U
Beryllium	0.04	U
Cadmium	0.7	
Chromium	0.82	U
Cobalt	0.37	U
Copper	27.9	
Iron	2.7	U
Lead	0.34	U
Manganese	0.47	U
Mercury	0.02	U
Nickel	0.85	U
Selenium	1	U
Silver	0.47	U
Thallium	0.81	U
Vanadium	0.49	U
Zinc	21.2	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	0.22	J
Endosulfan sulfate	3.3	U
Endrin	0.061	J
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U

PARAMETER	RESULT	QUAL
Methoxychlor	17	U
Toxaphene	170	U
B5L-16 LOBSTER		**LOBSTER**
Inorganics (mg/kg)		
Aluminum	1.9	U
Antimony	2.4	U
Arsenic	13.5	
Barium	1.1	
Beryllium	0.04	
Cadmium	1.5	
Chromium	0.82	U
Cobalt	0.37	U
Copper	29.5	
Iron	4.4	U
Lead	0.34	U
Manganese	1.7	
Mercury	0.02	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	21.3	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	0.24	J
Endosulfan sulfate	3.3	U
Endrin	0.14	J
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	0.12	J
Heptachlor epoxide	1.7	U
Isodrin	3	U

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PARAMETER	RESULT	QUAL
Methoxychlor	17	U
Toxaphene	170	U
B5L-17 LOBSTER		**LOBSTER**
Inorganics (mg/kg)		
Aluminum	6.5	U
Antimony	2.4	U
Arsenic	20.4	
Barium	1.6	
Beryllium	0.08	
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	27.7	
Iron	7.1	U
Lead	0.58	
Manganese	1.1	U
Mercury	0.02	
Nickel	0.85	U
Selenium	1	U
Silver	0.27	
Thallium	0.81	U
Vanadium	0.45	U
Zinc	25.6	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	0.21	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	0.68	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.21	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U

PARAMETER	RESULT	QUAL
Methoxychlor	17	U
Toxaphene	170	U
B5L-18 LOBSTER		**LOBSTER**
Inorganics (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	15.7	
Barium	0.74	U
Beryllium	0.04	U
Cadmium	0.95	
Chromium	0.82	U
Cobalt	0.37	U
Copper	19.1	
Iron	4.8	U
Lead	0.34	U
Manganese	1.6	
Mercury	0.02	U
Nickel	0.85	U
Selenium	1	U
Silver	0.24	U
Thallium	0.81	U
Vanadium	0.64	U
Zinc	20.4	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	0.1	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	0.25	J
Endosulfan sulfate	3.3	U
Endrin	0.11	J
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	0.074	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U

PARAMETER	RESULT	QUAL
Methoxychlor	17	U
Toxaphene	170	U
B5L-19 LOBSTER		**LOBSTER**
Inorganics (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	10.9	
Barium	1.2	
Beryllium	0.04	U
Cadmium	1.1	
Chromium	0.82	U
Cobalt	0.37	U
Copper	37.1	
Iron	5	U
Lead	0.34	U
Manganese	1.5	
Mercury	0.02	U
Nickel	0.85	U
Selenium	1	U
Silver	0.39	U
Thallium	0.81	U
Vanadium	0.49	U
Zinc	25.4	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	0.3	J
Endosulfan sulfate	3.3	U
Endrin	0.56	J
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	0.26	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U

PARAMETER	RESULT	QUAL
Methoxychlor	17	U
Toxaphene	170	U
B5L-20 LOBSTER		**LOBSTER**
Inorganics (mg/kg)		
Aluminum	2.5	U
Antimony	2.4	U
Arsenic	15.6	
Barium	0.67	U
Beryllium	0.04	U
Cadmium	0.85	
Chromium	0.82	U
Cobalt	0.37	U
Copper	35.2	
Iron	3.2	U
Lead	0.66	
Manganese	0.82	U
Mercury	0.02	
Nickel	0.85	U
Selenium	1	U
Silver	0.39	
Thallium	0.81	U
Vanadium	0.61	U
Zinc	22.5	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.86	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	0.2	J
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	0.14	J
Endrin aldehyde	0.84	J
gamma-BHC (lindane)	0.14	J
Heptachlor	0.33	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U

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PARAMETER	RESULT	QUAL
Methoxychlor	17	U
Toxaphene	170	U
B5L-21 LOBSTER		**LOBSTER**
Inorganics (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	11	
Barium	0.44	U
Beryllium	0.04	U
Cadmium	0.67	
Chromium	0.82	U
Cobalt	0.37	U
Copper	23	
Iron	1.8	U
Lead	0.34	U
Manganese	0.81	U
Mercury	0.03	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	23.3	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.74	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	0.4	J
Endosulfan sulfate	3.3	U
Endrin	0.31	J
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U

PARAMETER	RESULT	QUAL
Methoxychlor	17	U
Toxaphene	170	U
B5L-22 LOBSTER		**LOBSTER**
Inorganics (mg/kg)		
Aluminum	1.8	U
Antimony	2.4	U
Arsenic	11.5	
Barium	0.92	U
Beryllium	0.04	U
Cadmium	1.1	
Chromium	0.82	U
Cobalt	0.37	U
Copper	33.3	
Iron	3.1	U
Lead	0.34	U
Manganese	1.3	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.32	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	22.5	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	0.56	J
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U

PARAMETER	RESULT	QUAL
Methoxychlor	17	U
Toxaphene	170	U
B5L-23 LOBSTER		**LOBSTER**
Inorganics (mg/kg)		
Aluminum	2.4	U
Antimony	2.4	U
Arsenic	8.9	
Barium	0.63	U
Beryllium	0.04	U
Cadmium	0.94	
Chromium	0.82	U
Cobalt	0.37	U
Copper	21.8	
Iron	2.8	U
Lead	0.47	U
Manganese	0.85	U
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.24	U
Thallium	0.81	U
Vanadium	0.55	U
Zinc	15.7	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	0.065	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U

PARAMETER	RESULT	QUAL
Methoxychlor	17	U
Toxaphene	170	U
B5L-24 LOBSTER		**LOBSTER**
Inorganics (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	10.1	
Barium	0.11	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	21.9	
Iron	3.2	U
Lead	0.34	U
Manganese	0.42	U
Mercury	0.02	U
Nickel	0.85	U
Selenium	1	U
Silver	0.27	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	12.5	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	0.14	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	0.17	J
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	0.063	J
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U

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PARAMETER	RESULT	QUAL
Methoxychlor	17	U
Toxaphene	170	U
B5L-25 LOBSTER		**LOBSTER**
Inorganics (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	15.7	
Barium	0.21	U
Beryllium	0.04	U
Cadmium	0.87	
Chromium	0.82	U
Cobalt	0.37	U
Copper	21.5	
Iron	2.3	U
Lead	0.35	U
Manganese	0.51	U
Mercury	0.02	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	22.3	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	0.11	J
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	0.24	J
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	0.32	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U

PARAMETER	RESULT	QUAL
Methoxychlor	17	U
Toxaphene	170	U
B5V-29 VEGETATION		**TURTLE GRASS**
Inorganics (mg/kg)		
Aluminum	21.7	
Antimony	2.4	U
Arsenic	0.93	
Barium	0.93	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	0.34	U
Iron	32.9	
Lead	0.43	
Manganese	7.2	
Mercury	0.01	
Nickel	0.85	U
Selenium	1	U
Silver	0.29	
Thallium	0.81	U
Vanadium	1.2	U
Zinc	1.1	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	0.55	J
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.1	J
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U

PARAMETER	RESULT	QUAL
Methoxychlor	17	U
Toxaphene	170	U
B5V-30 VEGETATION		**TURTLE GRASS**
Inorganics (mg/kg)		
Aluminum	20.7	
Antimony	1.1	U
Arsenic	1.5	U
Barium	1	U
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.16	U
Cobalt	0.11	U
Copper	0.43	U
Iron	21.8	U
Lead	0.32	U
Manganese	3.2	
Mercury	0.01	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	1.5	U
Zinc	3.5	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	6.6	
gamma-BHC (lindane)	0.42	J
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U

PARAMETER	RESULT	QUAL
Methoxychlor	17	U
Toxaphene	170	U
BG6		
B6V-3 VEGETATION		**RED MANGROVE**
Inorganics (mg/kg)		
Aluminum	1.6	U
Antimony	1.9	U
Arsenic	0.94	U
Barium	0.06	U
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	1.7	U
Iron	5.3	U
Lead	0.32	U
Manganese	6.7	
Mercury	0.02	
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	2	U
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.1	J
4,4'-DDE	3.2	U
4,4'-DDT	3.2	U
Aldrin	0.23	J
alpha-BHC	1.7	U
Aroclor-1016	32	U
Aroclor-1221	66	U
Aroclor-1232	32	U
Aroclor-1242	32	U
Aroclor-1248	32	U
Aroclor-1254	32	U
Aroclor-1260	32	U
beta-BHC	0.72	J
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	0.43	J
Endosulfan I	0.24	J
Endosulfan II	3.2	U
Endosulfan sulfate	3.2	U
Endrin	0.16	J
Endrin aldehyde	1.2	J
gamma-BHC (lindane)	0.21	J
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U

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PARAMETER	RESULT	QUAL
Isodrin	3.2	U
Methoxychlor	17	U
Toxaphene	170	U
B6V-1 VEGETATION SEA OXEYE DAISY		
Inorganics (mg/kg)		
Aluminum	1.6	U
Antimony	1.9	U
Arsenic	0.94	U
Barium	0.04	U
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	1.6	U
Iron	5.6	U
Lead	0.32	U
Manganese	1.6	U
Mercury	0.01	
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	3.9	U
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.21	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	0.38	J
Endrin aldehyde	1.2	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachl[illegible]ide	1.7	U

PARAMETER	RESULT	QUAL
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B6V-2 VEGETATION SEASHORE DROPSEED		
Inorganics (mg/kg)		
Aluminum	9.2	U
Antimony	1.9	U
Arsenic	0.94	U
Barium	0.91	U
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	1.1	U
Iron	40.1	U
Lead	0.32	U
Manganese	4	
Mercury	0.01	
Nickel	1.1	
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	12.8	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	0.23	J
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	0.34	J
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	0.37	J
gamma-BHC (lindane)	0.047	J
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U

PARAMETER	RESULT	QUAL
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
BG7		
B7F-22 FISH FUNDULUS SPP		
Inorganics (mg/kg)		
Aluminum	22.5	U
Antimony	1.2	
Arsenic	4	U
Barium	1.4	U
Beryllium	0.03	U
Cadmium	0.08	U
Chromium	0.47	U
Cobalt	0.11	U
Copper	2.3	
Iron	8.7	U
Lead	0.32	U
Manganese	1.7	U
Mercury	0.01	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.19	U
Zinc	37.4	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.86	J
4,4'-DDE	22	
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	37	
Aroclor-1254	33	U
Aroclor-1260	43	
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B7F-24 FISH FUNDULUS SPP		
Inorganics (mg/kg)		
Aluminum	15.8	
Antimony	1.1	U
Arsenic	5.6	
Barium	1.5	U
Beryllium	0.02	U
Cadmium	0.08	U
Chromium	0.3	U
Cobalt	0.11	U
Copper	2.1	U
Iron	12	U
Lead	0.32	U
Manganese	1.5	U
Mercury	0.02	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.19	U
Zinc	37.2	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.5	J
4,4'-DDE	30	
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	66	
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	150	R
delta-BHC	1.7	U
Dieldrin	2	J
Endosulfan I	0.87	J
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	5.1	
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U

Keywest MOD01 Supplemen[illegible] .FI/RI Background Samples
Tissue Data Set

PARAMETER	RESULT	QUAL	PARAMETER	RESULT	QUAL	PARAMETER	RESULT	QUAL	PARAMETER	RESULT	QUAL
Heptachlor epoxide	1.7		Heptachlor epoxide	3.8		Heptachlor epoxide	1.1	J	Heptachlor epoxide	1.8	U
Isodrin	3.3	U	Isodrin	3.3	U	Isodrin	3.3	U	Isodrin	3.5	U
Methoxychlor	17	U	Methoxychlor	17	U	Methoxychlor	17	U	Methoxychlor	18	U
Toxaphene	170	U	Toxaphene	170	U	Toxaphene	170	U	Toxaphene	180	U
B7F-25 FISH		**FUNDULUS SPP**	**B7F-26 FISH**		**FUNDULUS SPP**	**B7F-27 FISH**		**FUNDULUS SPP**	**B7F-28 FISH**		**FUNDULUS SPP**
Inorganics (mg/kg)			**Inorganics (mg/kg)**			**Inorganics (mg/kg)**			**Inorganics (mg/kg)**		
Aluminum	8.9	U	Aluminum	37.7		Aluminum	8.1	U	Aluminum	14.3	U
Antimony	1.1	U	Antimony	1.1	U	Antimony	1.1	U	Antimony	1.1	U
Arsenic	7.1		Arsenic	6		Arsenic	6.2		Arsenic	6.5	
Barium	0.99	U	Barium	1	U	Barium	0.92	U	Barium	1	U
Beryllium	0.02	U	Beryllium	0.02	U	Beryllium	0.02	U	Beryllium	0.03	U
Cadmium	0.08	U	Cadmium	0.08	U	Cadmium	0.08	U	Cadmium	0.08	U
Chromium	0.35	U	Chromium	0.25	U	Chromium	0.31	U	Chromium	0.26	U
Cobalt	0.11	U	Cobalt	0.11	U	Cobalt	0.11	U	Cobalt	0.11	U
Copper	1.8	U	Copper	2	U	Copper	1.7	U	Copper	3.2	
Iron	12	U	Iron	4.7	U	Iron	10.5	U	Iron	10.4	U
Lead	0.32	U	Lead	0.32	U	Lead	0.38	U	Lead	0.57	
Manganese	1.2	U	Manganese	1.2	U	Manganese	1.2	U	Manganese	1.6	U
Mercury	0.03	U	Mercury	0.01	U	Mercury	0.02	U	Mercury	0.01	U
Nickel	0.29	U	Nickel	0.29	U	Nickel	0.29	U	Nickel	0.29	U
Selenium	1	U	Selenium	1	U	Selenium	1	U	Selenium	1	U
Silver	0.16	U	Silver	0.16	U	Silver	0.16	U	Silver	0.16	U
Thallium	0.92	U	Thallium	0.92	U	Thallium	0.92	U	Thallium	0.92	U
Vanadium	0.19	U	Vanadium	0.44	U	Vanadium	0.19	U	Vanadium	0.33	U
Zinc	39.3		Zinc	38.5		Zinc	41.3		Zinc	47.9	
Pesticides/PCBs (µg/kg)			**Pesticides/PCBs (µg/kg)**			**Pesticides/PCBs (µg/kg)**			**Pesticides/PCBs (µg/kg)**		
4,4'-DDD	1	J	4,4'-DDD	0.98	J	4,4'-DDD	3.5	U	4,4'-DDD	0.31	J
4,4'-DDE	20		4,4'-DDE	30		4,4'-DDE	11		4,4'-DDE	8.6	
4,4'-DDT	3.3	U	4,4'-DDT	3.3	U	4,4'-DDT	3.5	U	4,4'-DDT	3.3	U
Aldrin	1.7		Aldrin	0.81	J	Aldrin	1.8	U	Aldrin	1.7	U
alpha-BHC	1.7	U	alpha-BHC	1.7	U	alpha-BHC	1.8	U	alpha-BHC	1.7	U
Aroclor-1016	33	U	Aroclor-1016	33	U	Aroclor-1016	35	U	Aroclor-1016	33	U
Aroclor-1221	67	U	Aroclor-1221	67	U	Aroclor-1221	70	U	Aroclor-1221	67	U
Aroclor-1232	33	U	Aroclor-1232	33	U	Aroclor-1232	35	U	Aroclor-1232	33	U
Aroclor-1242	33	U	Aroclor-1242	33	U	Aroclor-1242	35	U	Aroclor-1242	33	U
Aroclor-1248	33	U	Aroclor-1248	33	U	Aroclor-1248	440		Aroclor-1248	64	
Aroclor-1254	33	U	Aroclor-1254	33	U	Aroclor-1254	35	U	Aroclor-1254	33	U
Aroclor-1260	89		Aroclor-1260	68		Aroclor-1260	90		Aroclor-1260	22	J
beta-BHC	1.7	U	beta-BHC	1.7	U	beta-BHC	1.8	U	beta-BHC	1.7	U
Chlordane	17	U	Chlordane	17	U	Chlordane	18	U	Chlordane	17	U
Chlorobenzilate	17	U	Chlorobenzilate	17	U	Chlorobenzilate	18	U	Chlorobenzilate	17	U
delta-BHC	1.7	U	delta-BHC	1.7	U	delta-BHC	1.8	U	delta-BHC	0.08	J
Dieldrin	2.2	J	Dieldrin	2	J	Dieldrin	3.5	U	Dieldrin	3.3	U
Endosulfan I	1.8		Endosulfan I	0.97	J	Endosulfan I	1.8	U	Endosulfan I	1.7	U
Endosulfan II	3.3	U	Endosulfan II	3.3	U	Endosulfan II	3.5	U	Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U	Endosulfan sulfate	3.3	U	Endosulfan sulfate	3.5	U	Endosulfan sulfate	3.3	U
Endrin	3.3	U	Endrin	3.3	U	Endrin	3.5	U	Endrin	3.3	U
Endrin aldehyde	3.3	U	Endrin aldehyde	3.3	U	Endrin aldehyde	3.5	U	Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U	gamma-BHC (lindane)	1.7	U	gamma-BHC (lindane)	1.8	U	gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U	Heptachlor	1.7	U	Heptachlor	1.8	U	Heptachlor	1.7	U

Keywest MOD01 Supplemental RFI/RI Background Samples
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PARAMETER	RESULT	QUAL
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B7F-34 FISH	**FUNDULUS SPP**	
Inorganics (mg/kg)		
Aluminum	3.6	U
Antimony	1.1	U
Arsenic	5.1	U
Barium	1.1	U
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.45	U
Cobalt	0.11	U
Copper	2.6	
Iron	15.6	
Lead	0.67	U
Manganese	1.5	U
Mercury	0.01	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.24	U
Zinc	41.8	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.5	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	200	
Aroclor-1254	33	U
Aroclor-1260	98	
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	2.9	J
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachl	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B7F-16 FISH	**GOLDSPOTTED KILLIFISH**	
Inorganics (mg/kg)		
Aluminum	6.7	U
Antimony	1.1	U
Arsenic	3.1	U
Barium	2.7	
Beryllium	0.02	U
Cadmium	0.08	U
Chromium	0.28	U
Cobalt	0.11	U
Copper	8.9	
Iron	27	
Lead	1	
Manganese	1	U
Mercury	0.01	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	1.3	U
Zinc	51.9	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.43	J
4,4'-DDE	7.1	
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	110	
Aroclor-1254	33	U
Aroclor-1260	29	J
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.35	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	1.9	J
Toxaphene	170	U
B7F-17 FISH	**GOLDSPOTTED KILLIFISH**	
Inorganics (mg/kg)		
Aluminum	8.1	U
Antimony	1.1	
Arsenic	3.5	U
Barium	4.1	
Beryllium	0.04	U
Cadmium	0.08	U
Chromium	0.48	U
Cobalt	0.11	U
Copper	3.1	
Iron	18.4	U
Lead	0.91	
Manganese	1.5	U
Mercury	0.02	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.81	U
Zinc	53.7	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.25	J
4,4'-DDE	3.8	
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	25	J
Aroclor-1254	33	U
Aroclor-1260	16	J
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B7F-32 FISH	**GOLDSPOTTED KILLIFISH**	
Inorganics (mg/kg)		
Aluminum	7.8	U
Antimony	1.1	U
Arsenic	3.7	U
Barium	5.4	
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.53	U
Cobalt	0.11	U
Copper	5	
Iron	21.9	U
Lead	0.63	U
Manganese	2.2	U
Mercury	0.01	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.92	U
Zinc	65.3	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	6.7	
4,4'-DDT	0.63	J
Aldrin	0.28	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	77	J
delta-BHC	0.26	J
Dieldrin	0.36	J
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	9.8	J
Endrin	1	J
Endrin aldehyde	5.4	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U

Keywest MOD01 Supplemen[illegible]FI/RI Background Samples
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PARAMETER	RESULT	QUAL
Heptachlor epoxide	1	J
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B7F-33 FISH	**GOLDSPOTTED KILLIFISH**	
Inorganics (mg/kg)		
Aluminum	13.6	
Antimony	1.1	U
Arsenic	3.5	U
Barium	4.3	
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.17	U
Cobalt	0.11	U
Copper	5.1	
Iron	19.6	U
Lead	0.91	U
Manganese	1.9	U
Mercury	0.01	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.85	U
Zinc	74	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	6.8	
4,4'-DDT	0.7	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	73	J
delta-BHC	1.7	U
Dieldrin	0.34	J
Endosulfan I	0.66	J
Endosulfan II	3.3	U
Endosulfan sulfate	9.8	J
Endrin	1.1	J
Endrin aldehyde	3.4	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor epoxide	1	J
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B7F-7 FISH	**GOLDSPOTTED KILLIFISH**	
Inorganics (mg/kg)		
Aluminum	10.5	U
Antimony	1.1	U
Arsenic	3.1	U
Barium	4.8	
Beryllium	0.03	U
Cadmium	0.08	U
Chromium	0.31	U
Cobalt	0.11	U
Copper	3	
Iron	19.7	U
Lead	1.1	
Manganese	1.4	U
Mercury	0.01	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.78	U
Zinc	57.9	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	15	
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	260	
Aroclor-1254	33	U
Aroclor-1260	49	
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.42	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B7F-18 FISH	**SAILFIN MOLLY**	
Inorganics (mg/kg)		
Aluminum	19.8	U
Antimony	1.1	U
Arsenic	2.2	U
Barium	6.9	
Beryllium	0.03	U
Cadmium	0.08	U
Chromium	0.16	U
Cobalt	0.11	U
Copper	3.2	
Iron	18.7	U
Lead	0.77	
Manganese	1.8	U
Mercury	0.01	U
Nickel	0.46	
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.63	U
Zinc	31.5	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.99	J
4,4'-DDE	14	
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	230	
Aroclor-1254	33	U
Aroclor-1260	46	
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.91	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B7F-19 FISH	**SAILFIN MOLLY**	
Inorganics (mg/kg)		
Aluminum	12.4	U
Antimony	1.1	
Arsenic	2.2	U
Barium	5.9	
Beryllium	0.04	U
Cadmium	0.08	U
Chromium	0.42	U
Cobalt	0.11	U
Copper	2.7	
Iron	20.1	U
Lead	0.87	
Manganese	1.7	U
Mercury	0.01	U
Nickel	0.32	U
Selenium	1	
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.85	U
Zinc	33	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.76	J
4,4'-DDE	14	
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	240	
Aroclor-1254	33	U
Aroclor-1260	44	
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U

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PARAMETER	RESULT	QUAL
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B7F-20 FISH	**SAILFIN MOLLY**	
Inorganics (mg/kg)		
Aluminum	10.5	U
Antimony	1.1	U
Arsenic	2.7	U
Barium	6.2	
Beryllium	0.04	U
Cadmium	0.08	U
Chromium	0.51	U
Cobalt	0.39	
Copper	5.2	
Iron	25.2	
Lead	0.74	
Manganese	1.7	U
Mercury	0.02	U
Nickel	0.29	U
Selenium	1	U
Silver	0.2	
Thallium	0.92	U
Vanadium	0.85	U
Zinc	49.4	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.1	J
4,4'-DDE	14	
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	250	
Aroclor-1254	33	U
Aroclor-1260	79	
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.92	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptach'	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B7F-29 FISH	**SAILFIN MOLLY**	
Inorganics (mg/kg)		
Aluminum	10.4	
Antimony	1.1	U
Arsenic	2.1	U
Barium	9.9	
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.16	U
Cobalt	0.11	U
Copper	3.3	
Iron	20.9	U
Lead	0.38	U
Manganese	16.2	
Mercury	0.01	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.74	U
Zinc	38.4	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.7	J
4,4'-DDE	20	
4,4'-DDT	3.3	U
Aldrin	1.3	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	66	
beta-BHC	2.6	
Chlordane	17	U
Chlorobenzilate	190	
delta-BHC	0.31	J
Dieldrin	2.2	J
Endosulfan I	1.8	
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor epoxide	3.8	
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B7F-30 FISH	**SAILFIN MOLLY**	
Inorganics (mg/kg)		
Aluminum	11.1	
Antimony	1.1	U
Arsenic	2.6	U
Barium	8.5	
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.31	U
Cobalt	0.11	U
Copper	4.5	
Iron	28	
Lead	0.92	U
Manganese	2.3	U
Mercury	0.02	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.85	U
Zinc	65.9	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.7	J
4,4'-DDE	21	
4,4'-DDT	3.3	U
Aldrin	2	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	78	
beta-BHC	1.3	J
Chlordane	17	U
Chlorobenzilate	180	R
delta-BHC	1.7	U
Dieldrin	2.2	J
Endosulfan I	2.6	
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor epoxide	4.6	
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B7F-5 FISH	**SAILFIN MOLLY**	
Inorganics (mg/kg)		
Aluminum	9.3	U
Antimony	1.1	U
Arsenic	2.3	U
Barium	6	
Beryllium	0.02	U
Cadmium	0.08	U
Chromium	0.22	U
Cobalt	0.11	U
Copper	5.7	
Iron	30.8	
Lead	0.65	
Manganese	1.7	U
Mercury	0.01	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.85	U
Zinc	38.3	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.93	J
4,4'-DDE	13	
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	220	
Aroclor-1254	33	U
Aroclor-1260	43	
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.49	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U

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PARAMETER	RESULT	QUAL
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B7F-6 FISH	**SAILFIN MOLLY**	
Inorganics (mg/kg)		
Aluminum	11	U
Antimony	1.1	U
Arsenic	1.9	U
Barium	7.7	
Beryllium	0.03	U
Cadmium	0.08	U
Chromium	0.3	U
Cobalt	0.11	U
Copper	4.1	
Iron	28.2	
Lead	0.77	
Manganese	2	U
Mercury	0.01	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.82	U
Zinc	64	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.1	J
4,4'-DDE	16	
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	280	
Aroclor-1254	33	U
Aroclor-1260	50	
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.52	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B7F-1 FISH	**SHEEPSHEAD MINNOW**	
Inorganics (mg/kg)		
Aluminum	10.7	U
Antimony	1.2	
Arsenic	0.94	U
Barium	2.7	
Beryllium	0.02	U
Cadmium	0.08	U
Chromium	0.42	U
Cobalt	0.11	U
Copper	13	
Iron	49.8	
Lead	3.2	
Manganese	0.87	U
Mercury	0.01	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.86	U
Zinc	69.1	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.2	J
4,4'-DDE	14	
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	220	
Aroclor-1254	33	U
Aroclor-1260	100	
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B7F-2 FISH	**SHEEPSHEAD MINNOW**	
Inorganics (mg/kg)		
Aluminum	10.6	U
Antimony	1.1	U
Arsenic	1.3	U
Barium	4.2	
Beryllium	0.02	U
Cadmium	0.08	U
Chromium	0.37	U
Cobalt	0.11	U
Copper	8.3	
Iron	30.9	
Lead	3.3	
Manganese	1.2	U
Mercury	0.01	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.71	U
Zinc	84.2	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.3	J
4,4'-DDE	15	
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	210	
Aroclor-1254	33	U
Aroclor-1260	82	
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.2	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B7F-3 FISH	**SHEEPSHEAD MINNOW**	
Inorganics (mg/kg)		
Aluminum	13.6	U
Antimony	1.1	U
Arsenic	2.3	U
Barium	3.7	
Beryllium	0.03	U
Cadmium	0.08	U
Chromium	0.58	U
Cobalt	0.11	U
Copper	8.4	
Iron	32.2	
Lead	3.3	
Manganese	1	U
Mercury	0.02	U
Nickel	0.41	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.78	U
Zinc	79.1	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.2	J
4,4'-DDE	13	
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	120	
Aroclor-1254	33	U
Aroclor-1260	58	
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.14	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U

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PARAMETER	RESULT	QUAL
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B7F-31 FISH SHEEPSHEAD MINNOW		
Inorganics (mg/kg)		
Aluminum	23.4	
Antimony	1.1	U
Arsenic	1.6	U
Barium	3	
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.25	U
Cobalt	0.11	U
Copper	7.3	
Iron	20.1	U
Lead	2.6	
Manganese	0.75	U
Mercury	0.01	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.59	U
Zinc	52.4	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	1.2	J
4,4'-DDE	24	
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	630	
Aroclor-1254	33	U
Aroclor-1260	200	
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlr	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor epoxide	10	
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B7F-4 FISH SHEEPSHEAD MINNOW		
Inorganics (mg/kg)		
Aluminum	11.8	U
Antimony	1.1	U
Arsenic	2	U
Barium	3.9	
Beryllium	0.02	U
Cadmium	0.08	U
Chromium	0.35	U
Cobalt	0.11	U
Copper	12.9	
Iron	32.2	
Lead	3.1	
Manganese	1.1	U
Mercury	0.01	
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.71	U
Zinc	78	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.81	J
4,4'-DDE	17	
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	280	
Aroclor-1254	33	U
Aroclor-1260	120	
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.28	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B7V-37 VEGETATION RED MANGROVE		
Inorganics (mg/kg)		
Aluminum	1.8	U
Antimony	1.9	U
Arsenic	0.94	U
Barium	0.07	U
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	1.5	U
Iron	11.2	U
Lead	0.32	U
Manganese	6.1	
Mercury	0.01	
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	1.6	U
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.2	U
4,4'-DDE	3.2	U
4,4'-DDT	3.2	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	32	U
Aroclor-1221	66	U
Aroclor-1232	32	U
Aroclor-1242	32	U
Aroclor-1248	32	U
Aroclor-1254	32	U
Aroclor-1260	32	U
beta-BHC	0.8	J
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.2	U
Endosulfan I	1.7	U
Endosulfan II	3.2	U
Endosulfan sulfate	3.2	U
Endrin	3.2	U
Endrin aldehyde	0.74	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor epoxide	1.7	U
Isodrin	3.2	U
Methoxychlor	17	U
Toxaphene	170	U
B7V-35 VEGETATION SEA OXEYE DAISY		
Inorganics (mg/kg)		
Aluminum	3	U
Antimony	1.9	U
Arsenic	0.94	U
Barium	0.16	U
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	1.4	U
Iron	3.4	U
Lead	0.32	U
Manganese	1.2	U
Mercury	0.01	
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	4.9	U
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.2	U
4,4'-DDE	3.2	U
4,4'-DDT	3.2	U
Aldrin	1.7	U
alpha-BHC	0.58	J
Aroclor-1016	32	U
Aroclor-1221	66	U
Aroclor-1232	32	U
Aroclor-1242	32	U
Aroclor-1248	32	U
Aroclor-1254	32	U
Aroclor-1260	32	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.2	U
Endosulfan I	1.7	U
Endosulfan II	3.2	U
Endosulfan sulfate	3.2	U
Endrin	0.23	J
Endrin aldehyde	0.74	J
gamma-BHC (lindane)	1.7	U
Heptachlor	9	J

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PARAMETER	RESULT	QUAL
Heptachlor epoxide	1.7	U
Isodrin	3.2	U
Methoxychlor	17	U
Toxaphene	170	U
B7V-36 VEGETATION	**SEASHORE DROPSEED**	
Inorganics (mg/kg)		
Aluminum	1.7	U
Antimony	1.9	U
Arsenic	0.94	U
Barium	3.5	
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	2.3	U
Iron	34.7	U
Lead	0.32	U
Manganese	3.6	
Mercury	0.02	
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	55.5	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	0.2	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	66	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	0.26	J
Endosulfan I	0.13	J
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	0.26	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
BG8		
B8CH-6 CONCH	**FLORIDA HORSE CONCH**	
Inorganics (mg/kg)		
Aluminum	26.6	
Antimony	1.1	U
Arsenic	137	
Barium	0.05	U
Beryllium	0.01	U
Cadmium	0.58	
Chromium	0.16	U
Cobalt	0.11	U
Copper	48.2	
Iron	10.4	U
Lead	0.32	U
Manganese	3.9	
Mercury	0.06	
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.19	U
Zinc	22.1	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.41	J
4,4'-DDE	3.3	U
4,4'-DDT	0.6	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B8T-3 CONCH	**TRUE TULIP**	
Inorganics (mg/kg)		
Aluminum	11.7	U
Antimony	1.1	U
Arsenic	94.1	
Barium	0.17	U
Beryllium	0.03	U
Cadmium	1.3	
Chromium	0.17	U
Cobalt	0.11	U
Copper	84.6	
Iron	103	
Lead	0.32	U
Manganese	1.2	U
Mercury	0.14	
Nickel	0.29	U
Selenium	1	U
Silver	0.61	
Thallium	0.92	U
Vanadium	0.33	U
Zinc	27.9	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	1.9	J
gamma-BHC (lindane)	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B8T-4 CONCH	**TRUE TULIP**	
Inorganics (mg/kg)		
Aluminum	10.7	U
Antimony	1.1	U
Arsenic	48.3	
Barium	0.13	U
Beryllium	0.03	U
Cadmium	2	
Chromium	0.29	U
Cobalt	0.11	U
Copper	28.8	
Iron	36.3	
Lead	0.35	
Manganese	5.1	
Mercury	0.07	
Nickel	0.41	U
Selenium	1	U
Silver	0.72	
Thallium	0.92	U
Vanadium	0.31	U
Zinc	30.1	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.31	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	2	J
gamma-BHC (lindane)	1.7	U

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PARAMETER	RESULT	QUAL
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B8T-5 CONCH TRUE TULIP		
Inorganics (mg/kg)		
Aluminum	3.7	U
Antimony	2.4	U
Arsenic	39.7	
Barium	0.09	U
Beryllium	0.04	U
Cadmium	5.9	
Chromium	0.82	U
Cobalt	0.37	U
Copper	91.1	
Iron	89.1	
Lead	0.44	
Manganese	1.6	
Mercury	0.02	
Nickel	0.85	U
Selenium	1	U
Silver	1.1	
Thallium	0.81	U
Vanadium	0.74	U
Zinc	218	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.75	J
4,4'-DDE	3.3	U
4,4'-DDT	0.11	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	0.3	J
Endrin aldehyde	0.27	J
gamma-F dane)	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B8T-9 CONCH TRUE TULIP		
Inorganics (mg/kg)		
Aluminum	7.4	U
Antimony	1.1	U
Arsenic	85.7	
Barium	0.06	U
Beryllium	0.03	U
Cadmium	0.22	
Chromium	0.16	U
Cobalt	0.11	U
Copper	10	
Iron	22.1	U
Lead	0.41	
Manganese	1.8	U
Mercury	0.09	
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.19	U
Zinc	20.2	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	0.18	J
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	0.89	J
Toxaphene	170	U
B8C-7 CRAB RED HERMIT CRAB		
Inorganics (mg/kg)		
Aluminum	7.5	U
Antimony	1.1	U
Arsenic	7.6	
Barium	1.5	U
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.62	U
Cobalt	0.11	U
Copper	16.7	
Iron	56.5	
Lead	0.32	U
Manganese	1.3	U
Mercury	0.01	U
Nickel	0.35	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.9	U
Zinc	26.4	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	0.88	J
4,4'-DDT	0.6	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	8	J
delta-BHC	0.27	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	0.5	J
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor	0.21	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B8C-2 CRAB SPINY SPIDER CRAB		
Inorganics (mg/kg)		
Aluminum	15.8	U
Antimony	1.1	U
Arsenic	2.7	U
Barium	1.6	U
Beryllium	0.03	U
Cadmium	1.1	
Chromium	0.16	U
Cobalt	0.11	U
Copper	8.7	
Iron	48.7	
Lead	0.54	
Manganese	1.9	U
Mercury	0.01	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.46	U
Zinc	12.8	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	0.37	J
4,4'-DDT	1.6	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	1	J
Endosulfan I	1.7	U
Endosulfan II	0.27	J
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	1.1	J
gamma-BHC (lindane)	7	U

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PARAMETER	RESULT	QUAL
Heptachlor	1.7	U
Heptachlor epoxide	0.44	J
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B8L-1 LOBSTER		**LOBSTER**
Inorganics (mg/kg)		
Aluminum	3.9	U
Antimony	2.4	U
Arsenic	17.9	
Barium	0.93	U
Beryllium	0.04	U
Cadmium	0.67	
Chromium	0.82	U
Cobalt	0.37	U
Copper	32.2	
Iron	9.6	U
Lead	0.78	
Manganese	0.84	U
Mercury	0.06	
Nickel	0.85	U
Selenium	1	U
Silver	0.29	
Thallium	0.81	U
Vanadium	0.45	U
Zinc	20.6	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.72	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	0.38	J
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	0.094	J

PARAMETER	RESULT	QUAL
Heptachlor	0.26	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B8L-6 LOBSTER		**LOBSTER**
Inorganics (mg/kg)		
Aluminum	14.3	U
Antimony	1.1	U
Arsenic	10.3	
Barium	0.82	U
Beryllium	0.03	U
Cadmium	0.08	U
Chromium	0.16	U
Cobalt	0.11	U
Copper	23.1	
Iron	4.5	U
Lead	0.32	U
Manganese	0.34	U
Mercury	0.01	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.19	U
Zinc	16.4	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	0.31	J
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	0.95	J
gamma-BHC (lindane)	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	1.3	J
Toxaphene	170	U
B8V-10 VEGETATION		**TURTLE GRASS**
Inorganics (mg/kg)		
Aluminum	29.6	
Antimony	1.1	U
Arsenic	1.9	U
Barium	0.58	U
Beryllium	0.01	U
Cadmium	0.12	
Chromium	0.18	U
Cobalt	0.11	U
Copper	2.4	
Iron	90.2	
Lead	0.55	U
Manganese	7.4	
Mercury	0.01	U
Nickel	0.93	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.62	U
Zinc	14.6	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U

PARAMETER	RESULT	QUAL
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B8V-11 VEGETATION		**TURTLE GRASS**
Inorganics (mg/kg)		
Aluminum	17.8	
Antimony	1.1	U
Arsenic	1.2	U
Barium	0.5	U
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.18	U
Cobalt	0.11	U
Copper	2.2	U
Iron	51.3	
Lead	0.38	U
Manganese	7.9	
Mercury	0.02	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.46	U
Zinc	10.2	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	0.25	J
Endosulfan I	0.2	J
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	J
gamma-BHC (lindane)	0.64	J

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PARAMETER	RESULT	QUAL
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B8V-12 VEGETATION	**TURTLE GRASS**	
Inorganics (mg/kg)		
Aluminum	36.5	
Antimony	1.1	U
Arsenic	0.95	U
Barium	0.92	U
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.16	U
Cobalt	0.11	U
Copper	1.2	U
Iron	42.8	
Lead	0.61	U
Manganese	7.2	
Mercury	0.01	U
Nickel	0.43	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	1.3	U
Zinc	5.5	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	8	
gamma-[illegible]dane)	0.51	J

PARAMETER	RESULT	QUAL
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
B8V-13 VEGETATION	**TURTLE GRASS**	
Inorganics (mg/kg)		
Aluminum	14.5	
Antimony	2.4	U
Arsenic	0.51	
Barium	0.72	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	1.1	U
Iron	46.4	
Lead	0.93	
Manganese	6.9	
Mercury	0.01	U
Nickel	26.1	
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.83	U
Zinc	7.1	
Pesticides/PCBs (µg/kg)		
4,4'-DDD	0.79	J
4,4'-DDE	0.52	J
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.68	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	0.19	J

PARAMETER	RESULT	QUAL
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U

PARAMETER	RESULT	QUAL

APPENDIX B

CONCENTRATIONS OF CHEMICALS IN FISH AND SHELLFISH CONSIDERED TO BE PROTECTIVE OF HUMAN HEALTH

CONCENTRATIONS OF CHEMICALS IN FISH AND SHELLFISH CONSIDERED TO BE PROTECTIVE OF HUMAN HEALTH

Chemical	EPA Region 4[a]	EPA Screening Values[b]	EPA Region 3 RBCs[c]	FDA Action Levels[d]
INORGANICS (mg/kg)				
Aluminum			1,400	
Antimony	4.31		0.54	
Arsenic	0.0062	3	0.0021	
Barium			95	
Beryllium			0.00073	
Cadmium		10	0.68	
Chromium			6.8[e]	
Cobalt			81	
Copper			54	
Iron			410	
Lead				
Manganese			6.8	
Mercury	1	0.6	0.14[f]	1[f]
Nickel	215.4		27	
Selenium		50	6.8	
Silver			6.8	
Vanadium			9.5	
Zinc			410	
PESTICIDES/PCBs (µg/kg)				
4,4'-DDD	44.9		13	5,000
4,4'-DDE	31.6		9.3	5,000
4,4'-DDT	31.6	300[g]	9.3	5,000
Aldrin	0.654		0.190	300
Aroclor-1248	1.4		0.41[h]	3,000[i]
Aroclor-1260	1.4	10[h]	0.41[h]	3,000[i]
alpha BHC	1.7		0.5	300[j]
beta-BHC	6		1.8	300[j]
delta-BHC				300[j]
gamma-BHC (lindane)	8.1	80	2.4	300[j]
Chlorobenzilate			12	
Dieldrin	0.670	7	0.2	300
Endosulfan I	42,930	60,000	8,100	
Endosulfan II	42,930	60,000	8,100	
Endosulfan sulfate	42,930			
Endrin	3,230	3,000	410	300
Endrin aldehyde	3,230			

CONCENTRATIONS OF CHEMICALS IN FISH AND SHELLFISH CONSIDERED TO BE PROTECTIVE OF HUMAN HEALTH

Chemical	EPA Region 4[a]	EPA Screening Values[b]	EPA Region 3 RBCs[c]	FDA Action Levels[d]
Heptachlor	2.4		0.7	300
Heptachlor epoxide	1.2	10	0.35	300
Isodrin				
Methoxychlor			6.8	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)				
Bis(2-ethylhexyl)phthalate	770		230	
Phenol	6,462,000		810,000	
Pyridine			1,400	

a. EPA 1995a
b. EPA 1995b
c. EPA 1995c
d. FDA 1992
e. Chromium VI and compounds
f. Methyl mercury
g. Total DDT (sum of DDT, DDD, DDE)
h. Total PCBs (sum of Aroclors)
i. Total Aroclors in red meat (fat basis); no value given for seafood
j. Total BHC in frog legs, no value given for seafood

APPENDIX C

RESPONSES TO COMMENTS

APPENDIX C – PART 1

USEPA COMMENT RESPONSE

Comprehensive Background Report Response to Comments from Martha Berry (U. S. Environmental Protection Agency)

General Comment

During EPA's previous review of the Draft Supplemental RFI/RI Report prepared by Brown and Root Environmental for NAS Key West, EPA developed numerous comments regarding the sufficiency of the presentation and analysis of background data. The Draft Supplemental RFI/RI Report stated that the interpretation of the nature and extent of contamination was severely restricted by the lack of presentation of background data. The current background report provides an excellent response to those previous comments related to background issues, and significantly enhances the reader's ability to place the RFI/RI data in the overall context of background conditions. Some relatively minor specific comments were generated regarding the presentation of this data (see below), but in general, the Background Report presents the necessary background information in a clear and accurate manner.

Response: Comment noted.

Specific Comment 1

Section 1.7, Page 1-14, Paragraph 2, and Figures 1-5 through 1-12: It appears that the numbering scheme for samples was changed between the background sampling (sites BG 1, BG 2, and BG 3) in January 1996, and the most recent background sampling (sites BG 4, BG 5, BG 6, BG 7, and BG 8) in August through October 1997. In the first round, soil samples were apparently "SS", and sediment samples were "SD". In the second round, soil samples were designated "SB", and sediment samples were designated "SS". This change is unfortunate, especially since "SS" means one type of sample for the first round, and a different type of sample for the second round. The sample designations should not be changed to match the original data sheets. However, an explanation regarding the change in sample designation should be provided in paragraph 2 which will assist the reader in understanding Figures 1-5 through 1-12.

Response: Concur. The sample nomenclature used during the initial background sampling in January 1996 (BG 1, BG 2, and BG 3) matched that used for the RCRA sites that were investigated concurrently, but did not match the nomenclature specified for background sites in the Sampling and Analysis Plan (ABB, 1995). During the August through October sampling period, the background sample nomenclature was modified to reflect the specifications of the Sampling and Analysis Plan. As suggested, a short

explanation of this inconsistency will be added to paragraph 2 on page 1-14, and the reader will be reminded that different symbols are used to depict surface soil and sediment on Figures 1-5 through 1-12.

Specific Comment 2

Section 2.2.1, Page 2-13, Paragraph 1: The text states that "Non-detect values were assigned a value of one-half the detection limit for computing the average." It is difficult to evaluate how this calculation was actually done since the tables in Appendix A does not present the detection limits except for non-detects. If a reported concentration was provided, then the average calculations should use one-half of the reported value rather than the detection limit.

Response: The result for any parameter that was not detected during laboratory analysis is designated with a "U" qualifier in Appendix A. When accompanied by a "U" qualifier, the result shown is actually the detection limit. In these instances only, one-half the detection limit was used in computing the average concentration. In all other instances, an actual or estimated concentration was reported by the laboratory, and that concentration was used directly in the calculation. Appendix A does not present detection limits for compounds with actual or estimated results because that information is not necessary to perform the calculation in question.

Specific Comment 3

Section 2.2.2, Page 2-14, Paragraph 1: The text states that "If a dilution or re-analysis of historical data resulted in a higher concentration than that detected in the original analysis, the higher value was included in the final data set. If the higher results were associated with the original sample, then those were maintained in the data set. This conservative approach was necessary to ensure that a single representative result existed for each analyte associated with a given sample." The approach described in the text (choosing the higher value for use in the background data set) is not conservative when the issue is definition of background data. By choosing the higher value, the calculated representative value for the background concentration of that analyte in that medium will be maximized. This value will then be compared to site data to determine if contamination exists, and the higher the background values, the less contamination and risk will be seen. This approach will bias the investigation toward finding less contamination and lower risks, and therefore, cannot be considered conservative.

Response: Concur. As pointed out by the commentor, the approach described in Paragraph 1 on Page 2-14 is not conservative. The approach will be modified so that the lower result is accepted into the

background dataset in the cases where a historical sample was diluted or re-analyzed. The text and dataset will be modified to reflect this approach.

Specific Comment 4

Section 2.2.5, Page 2-15, Paragraph 1: The text states that "While this assumption might not be correct for all historical data, it is conservative. Questionable historical data points (data that might otherwise have been discarded as false positives or blank contamination as a result of data quality assessment) only increases the potential for making a positive remedial decision for a particular site." Similar to the previous comment 3, the use of data that is potentially anomalously high is conservative when it applies to site data, but has the opposite effect when considered for background data. Using potentially false positives and blank contaminant levels in developing the background data set will increase calculated representative background values, and will actually decrease the potential for making a positive remedial determination for a particular site. The text should be changed to remove that this approach is conservative and the approach should be changed to eliminate potentially false positives and blank contaminants from the background data set.

Response: Concur. As pointed out by the commentor, the approach described in Paragraph 1 on Page 2-15 is not conservative. The approach will be modified to eliminate questionable data points (potential false positives and blank contamination) resulting from samples that underwent dilution or reextraction/reanalysis. The text and the background dataset will be modified accordingly.

Specific Comment 5

Section 2.3, Page 2-15, Paragraph 2: The text states that "For results that were reported as below the detection limit, one-half of the detection limit for that sample was used in the calculation." As stated earlier, one-half of the reported value, rather than one-half of the detection limit, should be used for this calculation.

Response: As discussed in Response 2, one-half the detection limit was used only in average calculations for parameters that were not detected ("U" qualified) during laboratory analyses. Whenever the laboratory provided an actual or estimated concentration for a parameter, that value was used directly in calculations. One-half the detection limit was used simply as a "surrogate" concentration for those parameters whose concentrations the lab could not quantify, except as being less than the detection limit used in lab analyses.

Specific Comment 6

Section 2.5.2, Figures 2-1 through 2-10, General: During EPA's previous review of the Draft Supplemental RFI/RI Report, EPA suggested presenting specific SWMU maps so the relationship of the background locations to the contaminated areas could be evaluated. These maps go a long way toward satisfying this request, but can still be improved. Specifically, although the maps show the background locations, they do not always show the locations of the related contamination source. For example, the following figures do not depict the area mentioned: Figure 2-1 - the Open Disposal Area, Figure 2-2 - Mixing Area of Mixing Area ditch, Figure 2-7 - Truman Annex Refuse Disposal Area, Figure 2-8 - Truman Annex DDT Mixing Area, Figure 2-9 - Fleming Key North Landfill, Figure 2-10 Fleming Key South Landfill. In addition, the maps do not present any topographic or groundwater flow data which can be used to verify that the samples are unaffected by the contamination sources. Although it may be cumbersome to show topographic lines and groundwater flows areas on these maps, the text should at least state that field observations and topographic evaluations were used to determine that all of these locations were upgradient of contamination sources.

Response: Concur. As suggested by the reviewer, groundwater flow directions and site boundaries will be added to the background maps specified in the comment. The location of background samples in reference to known sources of contamination was considered in the sample selection process and is discussed in Section 2.1.2 on pages 2-2 and 2-8. As described there, only upgradient or side-gradient samples were accepted into the final background data set. This text will be modified as suggested by the reviewer to clarify this issue.

Specific Comment 7

Section 2.5.2, Figure 2-3: The legend states that a surface water and sediment sample were collected. However, the text in Section 2.5.2.3 states that only a surface water sample was collected. The correct sampling should be determined, and either the figure or the text should be revised.

Response: Concur. The sediment sample from the location in question (S3SS-4) was considered in the initial background report that accompanied the Supplemental RFI/RI for the High Priority Sites (B&R Environmental, 1996). Due to outliers, it was discarded and integrated back into the site data set for SWMU 3. Therefore the text is correct in only referring to a background surface-water sample from that location. Figure 2-3 will be modified to accurately reflect the text.

Specific Comment 8

The text states the "However, with very few exceptions, most values of these compounds were within the range of normal background concentrations." This statement, and several others in Section 7.3 should be revised to more clearly define what is meant by "normal background concentrations." Upon first reading, it appeared that the text was referring to a comparison of the toxicity samples with the soil, sediment, surface water and groundwater background values developed Sections 3, 4, 5, and 6. In fact, the text is referring to "background concentrations" as defined in the numerous toxicological studies referenced. Therefore, this statement should be revised to indicate that comparisons are being made to the toxicological studies referenced, not to the local soil, sediment, surface water and groundwater information.

Response: Concur. Several statements in Section 7 (Tissue Characterization) discuss chemical concentrations measured in background tissue samples in comparison to "normal background concentrations." The reviewer is correct in concluding that the term "normal background concentrations" refers to tissue concentrations defined in the published literature as representative of normal background conditions. This is explained in the third sentence of Section 7.0 (page 7-12). Nevertheless, the text will be revised to more clearly indicate that comparisons are being made to tissue studies referenced and not to local abiotic data.

Specific Comment 9

Section 7.3, Page 7-12, Paragraph 1: The text states that "The infrequent detection and overall low concentrations indicate that tissue toxicity due to these compounds is not a concern at background sites..." The reference to infrequent detections is problematic. In fact, pesticide and PCB compounds were frequently detected compared to other organic compounds. In fish, DDE was detected in 74/77 samples, DDD was detected in 58/77 samples, and Arochlor-1260 was detected in 48/77 samples. This widespread detection of pesticides and PCBs cannot be considered to be "infrequent detection." In general, the text should emphasize that contaminant concentrations detected in tissue samples were within ranges identified in the studies referenced, and should not rely on frequency of detection. Another general concern exists with respect to the comparison of tissue samples; concentrations to toxicity criteria. The purpose of this document is to establish the background concentrations (including background concentrations in tissue samples), and it is expected that these concentrations will be used in the future, along with the toxicity criteria, to compare tissue sample from contaminated areas to determine if ecological receptors are impacted. However, the emphasis on the comparison of the background data to toxicity data in this report does not advance the purpose of establishing representative background concentrations. If the samples are truly from background locations (i.e., are not impacted by NAS Key

West operations), then the question of whether the concentrations present a risk is not pertinent to the investigation of NAS Key West. Also, there is no comparable comparison of soil, sediment, surface water, or groundwater to toxicity, risk, regulatory standard values. Although it does not hurt to present toxicity values in this report, the text should be revised to remove the emphasis on whether these concentrations present a toxicity concern, and instead should emphasize the use of this data to establish representative background concentrations.

Response: Regarding the first portion of the comment, the Navy agrees that (where possible) the evaluation of background tissue values should be based on a comparison of these values to concentrations identified in the literature as representative of normal background conditions. Unfortunately, references to normal background conditions are not available for some contaminants. For example, methoxychlor (although not naturally occurring) was once widely used and is known to remain in the environment for extremely long periods. Its infrequent detection (7 of 142 tissue samples) suggests that it is not a concern at background sites. Similar conditions exist for endosulfan and chlorobenzilate, and the statement in paragraph 1 of Section 7.3 regarding infrequent detections was meant to describe these compounds. However, the Navy agrees that as presented, the statement appears to describe all pesticides and PCBs, some of which were commonly detected. Therefore, the statement will be revised.

The second portion of the comment refers to the comparison of tissue concentrations in background samples to values considered to be protective of ecological receptors. Furthermore, the reviewer notes that no similar comparisons are included for soil, sediment, surface-water, or ground water results. The approach taken by the Navy in Chapter 7 was intended to proactively describe how tissues from background sites in the vicinity of Key West compare to concentrations considered to be protective of ecological receptors. This approach was taken primarily for the benefit of RAB members and the general public, some of whom have expressed concern regarding this issue. The Navy agrees with the reviewer that if the samples are truly from background locations, then the question of whether the concentrations pose ecological risks is not pertinent to the investigation of NAS Key West. The Navy believes that the text adequately emphasizes the use of the data to establish representative background concentrations. This is stated in the introductions to Sections 7.0, 7.2, 7.3, 7.4, and in Section 7.5.

Specific Comment 10

Section 7.4, Page 7-21, Copper, Paragraph 2: The text states that "These values do not appear to be abnormally high." This statement, and others like it (such as for zinc), should be revised to state what the concentrations are being compared to. This will help them appear to be more objective. For instance, on page 7-16, in the introduction to the inorganic comparisons, the text states "metals were... within the normal range of published background values." This type of statement, which directly shows the

comparison, is preferred to general statements such as "concentrations do not appear to be abnormally high."

Response: Concur. When the Background Report was initially drafted, published background values for copper, iron, manganese, and zinc had not been identified. Subsequently, additional data from published studies have been made available, and a more objective approach of assessing tissue concentrations from NAS Key West background sites is possible. Thus, the statements in question will be revised as requested.

Specific Comment 11

Section 7.4, Page 7-25, Zinc, Paragraph 2: The text states that "From 1976 to 1984, NCBP values of zinc in freshwater fish averaged 21.7 mg/kg, with a maximum value of 118 mg/kg (Schmitt and Brumbaugh 1989)... Zinc in freshwater fish collected nationwide averaged 21.7 mg/kg, with a maximum value of 118.4 mg/kg (Schmitt and Brumbaugh 1989)." It appears that the same information is being referenced twice. The text should be revised.

Response: Concur. The text will be revised to correct the error noted by the reviewer. Specifically, the second sentence that repeats the information on zinc in freshwater fish will be deleted.

REFERENCES

ABB (ABB Environmental Services, Inc.), 1995. *Supplemental Resource Conservation and Recovery Act Facility Investigation and Remedial Investigation Workplan, Volume I, and Sampling and Analysis Plan, Volume II.* Prepared for the Department of the Navy, Southern Division Naval Facilities Engineering Command. Tallahassee, Florida.

B&R Environmental (Brown & Root Environmental), 1996. *Draft Supplemental RCRA Facility Investigation and Remedial Investigation Report for Naval Air Station Key West High-Priority Sites.* Prepared for the Department of the Navy, Southern Division, Naval Facilities Engineering Command. Pittsburgh, Pennsylvania.

APPENDIX C – PART 2

FDEP COMMENT RESPONSE

Comprehensive Background Report Response to Comments from Jorge Caspary (Florida Department of Environmental Protection)

Comment 1:

The report attempts to develop background levels for a series of constituents and in doing so, goes over a vast data base dating back to 1986. Since there are questions with regard to the quality of some of the data, perhaps it would have been a better approach to utilize data that meets strict quality assurance and quality control checks. This could provide a more precise determination of background conditions at the site.

Response: The goal of the Comprehensive Background Report was to adequately characterize background conditions in the vicinity of NAS Key West in order to support the Supplemental RFI/RI being conducted at eight NAS Key West Sites. To accomplish this goal, the Navy reviewed data dating back to 1986 to determine whether historical data could be used in the background data set. This review identified data from the 1993 RFI/RI performed by IT Corporation, the 1995 delineation sampling performed by Bechtel Environmental, Inc. and the 1996 Supplemental RFI/RI performed by Brown & Root Environmental as appropriate sources for background data points. Because the overwhelming majority of site-specific data was generated by these investigations, it is appropriate that the investigations are the source of data for characterizing background conditions. Data generated from these investigations were reviewed and validated to ensure that they meet strict quality assurance and quality control criteria as part of the investigation process. The comprehensive background report will be modified to clarify the investigatory sources for the background data set.

Comment 2:

The large standard deviation of some constituents may render the values unacceptable from a statistical perspective. A suggestion would be to consider the frequency of detection as a parameter designed to reduce the large deviation. Frequency of detection is widely used in Baseline Risk Assessments and its consideration in this report is highly recommended.

Response 2: The Navy agrees that variability exists among the data in the background data set. This variability, however, is common in the environmental restoration industry. The Navy also agrees with the commentor's suggestion that other statistical tools are available. The Navy will utilize frequency of detection as one of the tools for comparing site-specific parameters to background concentrations in the Supplemental RFI/RI report.

Comment 3:

Depending on the concentration detected, unusually high numbers may be indicative of a release and not necessarily attributable to sampling and analytical errors. Please specify the constituents that are referenced in the fourth paragraph of page 2-8.

Response 3: Some of the background samples collected from the investigations performed at NAS Key West were intended to be used as background data points but were rejected for use in the comprehensive background data set because the data contained outliers (unusually high chemical concentrations). These data points were taken out of the background data set and included in the site-specific data set. The following table lists the data points to which this situation applies:

Site	Location	Sample ID	Medium	Comments
IR 7	I7SS-10(IT)	AS1033	Sediment	Discarded due to metal and volatile organic carbon outliers
IR 7	I7MW-10	AS1018	Groundwater	Discarded due to metal outliers
IR 8	KWM-15	KWM-15	Groundwater	Discarded due to metal outliers
IR 8	KWM-15	AS1238	Groundwater	Discarded due to metal outliers
IR 8	KWM-15	KWM15	Groundwater	Discarded due to metal outliers

Section 2.1 of the comprehensive background report provides additional information regarding the process used to identify outliers and the development of the comprehensive background data set.

APPENDIX C – PART 3

RESTORATION ADVISORY BOARD COMMENT RESPONSES

- **Mimi Stafford**
- **Jim Smith**

Comprehensive Background Report Response to Comments from Mimi Stafford (Community RAB Member)

Comment 1:

Pages 2-21 and 2-22: Figure 2-1 and Figure 2-2 are confusing in the layout of the maps. Including the relative location of the SWMU sites to the background sampling locations would clarify the proximity.

Response: Comment noted. Where samples were taken immediately upgradient from a RCRA or CERCLA site, the extent of the excavation at the site (where applicable) and other identifying features will be added to the background location maps in order to clarify the proximity of the sample(s) to the site. Some of the background sampling locations are geographically removed from the RCRA/CERCLA sites. For this reason, it was not possible to show the sites as a frame of reference on Figures 1-5 through 1-12. The relationship of these sites to the RCRA/CERCLA sites is shown on Figure 1-2.

Comment 2:

Are the results of the test well drilled to the southeast of the SWMU 1 site to be used with the background data or with the information from the monitoring wells?

Response: The well was installed and sampled in order to provide additional information for decision-making in the Corrective Measures Study for SWMU 1. Since this well appears to be downgradient from the site, it was not included in the background data set.

Comment 3:

Pertaining to the arsenic levels summarized on page 7-27- "Arsenic was higher than published background values in most crabs, several lobster, and Fundulus *minnows.... Toxicity data are sparse for arsenic in tissue, so the ecological significance of arsenic in background is uncertain." Since this element is present at elevated levels and has the potential to be environmentally harmful, are further comparative studies to be done to determine why these levels are elevated?*

Response: The reviewer quotes the background report statement that "Arsenic was higher than published background values in most crabs, several lobsters, and *Fundulus* minnows." However, it should be noted that arsenic was not detected in 42 of 77 background fish samples, and only 11 samples exceeded the 2 to 5 mg/kg range considered by Eisler (1988) as being common for marine fish. These 11 samples were *Fundulus* minnows, and the highest concentration was 8.3 mg/kg. Elevated values for

arsenic in fish were limited to one species, and arsenic was either not detected or was detected at low values in the 11 other fish species collected from background sites in the Key West area (See Table 7-1 for fish species collected). Thus, arsenic was slightly elevated in only 1 of 12 fish species. In addition, arsenic was not detected in terrestrial vegetation and was not elevated in turtle grass.

Arsenic was detected in 14 of 15 crabs, and ranged from 4.1 to 31 mg/kg, with a mean value of 15.1 mg/kg. Arsenic was detected in all lobsters and conchs. Concentrations in lobsters ranged from 4.7 to 20.7 mg/kg, with a mean value of 13.4 mg/kg. Concentrations in conchs ranged from 3.5 to 137 mg/kg, with a mean value of 53.3 mg/kg. As described in the background report, arsenic concentrations in several lobsters and crabs exceeded values cited in other studies. Concentrations in some conchs were greater than values reported for mollusks, but values specific to conchs were not available.

No site-related patterns were evident among conchs. Instead (as with fish), the values may be species-related. The maximum value in conchs (137.0 mg/kg) was detected in a Florida horse conch from BG 8. Arsenic was also high in the other Florida horse conchs collected from background sites, with a value of 93 mg/kg in a sample from BG 5. Site BG 5 is located approximately 5 miles north of Key West, relatively far from any known localized contaminant sources. Thus, high values in a sample from this site suggests that arsenic is naturally high in this species. Arsenic was relatively high (39.7 to 94.1 mg/kg) in the four true tulip conchs collected from BG 8, but no true tulips were collected from other background sites. Arsenic concentrations ranged from 28.6 to 46.7 mg/kg in five Caribbean vase conchs collected from BG 4. Concentrations were lowest in the two milk conch samples (5.4 mg/kg at BG 4; 3.5 mg/kg at BG 5).

The maximum arsenic value in lobsters was 20.7 mg/kg in the single lobster collected from BG 4. Concentrations in the 16 lobster samples from BG 5 lobsters ranged from 4.7 to 20.4 mg/kg.

Two lobsters were collected from BG 8; values in these samples were 10.3 and 17.9 mg/kg. Arsenic concentrations in crabs were highest in stone crabs from BG 4, but site BG 4 was the only background site at which stone crabs were collected.

Arsenic is a relatively common element that occurs in air, water, soil, and in all living tissues. It ranks 20th in abundance in the earth's crust, 14th in seawater, and 12th in the human body (Eisler, 1988). Its bioavailability and toxicity are significantly influenced by its chemical form, route of exposure, dose, and species of animal. Arsenic concentrations in marine fish and invertebrates (especially crustaceans) are highly variable, and values up to 100 mg/kg are common (Law, 1996). Almost all arsenic in tissues of marine species is in the form of organoarsenic compounds, especially arsenobetaine, a water soluble form that is relatively nontoxic to the organism and its consumers, including humans (Phillips, 1990; Eisler, 1988). Arsenic is accumulated from water by numerous organisms. However, there is no evidence of

magnification within the aquatic food chain (Eisler, 1988). Arsenic is usually elevated in marine species because of their ability to accumulate arsenic from seawater and not due to localized contaminant sources (Maher, 1985).

Arsenic was detected in 3 of 13 surface water samples, with detected values of 2.6, 4.1, and 5.2 µg/L. The detection limit in most water samples was 4 to 5 µg/L. Arsenic concentrations in all surface water samples were well below FDEP marine criteria (50 µg/L), EPA Region IV marine criteria (36 µg/L) and EPA ambient water quality criteria for marine water (36 µg/L). Thus, no evidence of arsenic contamination at background sites exists based on analyses of surface-water samples.

Arsenic concentrations were higher than published background values in most crabs and several lobsters, but concentrations in surface water were not elevated. Thus, the high concentrations (relative to published background values) may be due to a rather small data set available in the literature for comparisons. The overall data set indicates that the background samples are representative of background conditions in the lower Florida Keys. No further sampling studies are planned. However, a search of the scientific literature is being conducted to further investigate the significance of arsenic in tissues. Statements in the background report regarding the ecological significance of arsenic in background tissues will be revised to include the results of the literature search.

REFERENCES

Eisler, R., 1988, *Arsenic Hazards to Fish, Wildlife, and Invertebrates: A Synoptic Review, Report No. 12*, Patuxent Wildlife Research Center, U.S. Fish and Wildlife Service, Laurel, MD.

Law, R.J., 1996, "Metals in Marine Mammals," pp 357-376, *Environmental Contaminants in Wildlife: Interpreting Tissue Concentrations*, CRC Press, Boca Raton, FL. 494 pp.

Maher, W.A., 1985, "The Presence of Arsenobetaine in Marine Animals, Comparative Biochemistry and Physiology, 80C: 199-201," *Arsenic Hazards to Fish, Wildlife, and Invertebrates: A Synoptic Review, Report No. 12*, Patuxent Wildlife Research Center, U.S. Fish and Wildlife Service, Laurel, MD.

Phillips, D.J.H., 1990; "Arsenic in Aquatic Organisms: a Review Emphasizing Chemical Speciation, Aquatic Ecology (Amst), 16:151-186," *Environmental Contaminants in Wildlife: Interpreting Tissue Concentrations*, CRC Press, Boca Raton, FL. 494 pp.

Comprehensive Background Report Response to Comments from South Florida Water Management District Through Jim Smith (Community RAB Member)

Comment 1:

From my interpretation, the approach includes two methods: criteria based on environmental "background" constituent data and standard CERCLA human health risk based criteria. CERCLA criteria are not necessarily adequate to protect aquatic ecosystems since they were designed only to assess a level of impact to Homo Sapiens. Other, possibly more stringent criteria are likely needed to protect the other species present in the Florida Keys.

Response: The goal of the Comprehensive Background Report was to adequately characterize background conditions in the vicinity of NAS Key West in order to support the Supplemental RFI/RI being conducted at eight NAS Key West Sites. A background characterization is necessary for defining the nature and extent of contamination, completing human health and ecological risk assessments, and performing corrective measures studies at each RCRA or CERCLA site. CERCLA risk-based concentrations are used along with representative background concentrations in order to screen contaminants during the human health risk assessment of the CERCLA and RCRA sites. As stated by the commentor, these criteria are not necessarily adequate to protect aquatic ecosystems. Thus, the ecological risk assessment screening process considers a variety of screening values that are protective of ecological receptors. For surface-water screening, the ecological risk assessment process considers Florida Water Quality Standards (FDEP, 1995), EPA Region III BTAG Screening Levels (EPA, 1995a), Ambient Water Quality Criteria (EPA, 1996), and EPA Region IV Screening Levels (EPA, 1995b). Due to the potential for groundwater-to-surface-water migration and in accordance with FDEP policy, groundwater analyte concentrations were compared to marine surface water thresholds. Sediment quality criteria used for ecological screening include EPA Region IV Screening Levels (EPA, 1995b), Florida Sediment Quality Guidelines (FDEP, 1994), ORNL Sediment Screening Levels (Hull and Suter, 1994), EPA Sediment Quality Benchmarks (EPA, 1996), Ontario Sediment Quality Guidelines (OME, 1992), and Effects Range-Low/Effects Range-Medium values (Long et al., 1995). ORNL Soil Screening Levels (Will and Suter, 1995) and EPA Region III BTAG Screening Levels (EPA, 1995a) were used for soil screening during the ecological risk assessment process. Further information on contaminant screening in the risk assessment process will be provided in Appendix C of the supplemental RFI/RI report for eight NAS Key West sites.

Comment 2:

In regard to the "background" criteria, there appears to be a presumption that existing contaminants in industrial and urban areas in and near the base are not the responsibility of the military, and only

contaminants at specified sites (i.e. CERCLA/RCRA) need to be cleaned up. The reported "background" data collected are not necessarily indicative of actual background or unimpacted areas within the marine sanctuary. This is because most of the background sampling locations appear to be located near potential sources on or near the base. Background monitoring should be located away from any sources of contaminants.

Response: Background sample locations were selected based on a review of aerial photographs and historical maps, as well as site visits. Every effort was made to select sites upgradient and as far afield as feasible from military or civilian development while still maintaining conditions that could be considered representative of NAS Key West. Although the environmental industry uses the term "background conditions" (which is sometimes confused with the term "pristine conditions"), background samples are actually used to determine control or reference levels of various chemicals in a given medium. The purpose of background sampling is to differentiate between levels of chemicals that exist because of a waste site and levels that exist throughout the environment in the general area. Without this differentiation, the Navy could possibly decide to clean up a site that actually contains chemical levels that are no different from the remainder of the Lower Florida Keys. For a group of sites like those at NAS Key West, one set of background data is often obtained from various locations on or near the facility to characterize background conditions for all of the sites being studied.

The NAS Key West background sites were proposed well in advance of the field investigation and included a number of different locations in the vicinity of NAS Key West. The five background sites sampled in conjunction with the supplemental RFI/RI for eight NAS Key West sites were presented in the Ecological Sampling and Analysis Plan Addendum submitted by the Navy for EPA and FDEP review. Following the field investigation, additional steps were taken to ensure that the data set was representative of background conditions. Samples that contained multiple statistical outliers were discarded from the background data set. Additionally, the addendum considered individual parameters (such as VOCs or SVOCs) that were detected in background samples but could not reasonably be considered to represent background conditions because they are not normally ubiquitous in nature and have no history of widespread use in the area. These parameters were not used to screen chemicals from site-specific analytical results in the RFI/RI report. While some parameters may have higher average background concentrations than are found in other parts of the U.S., the data appear to be consistent and representative of background conditions in the Lower Florida Keys. The National Oil and Hazardous Substances Pollution Contingency Plan does not require potentially responsible parties (e.g., NAS Key West) to remediate contaminated sites below background levels.

Comment 3:

I am very disappointed in the methods chosen to analyze the data. First, outliers were culled by a subjective process (Professional judgment) but considered to be statistical outliers (an objective process). Perhaps their method needs to be explained in greater detail.

Response: The selection of outliers was an objective, statistical process. As stated in the background report: "concentrations were evaluated based on a comparison with twice the average value for that constituent in the media of interest or with the average plus the standard deviation." The actual elimination of samples from the data set was a more subjective process. In general samples were eliminated from the data set if data for three or more parameters appeared to be outliers. This issue will be clarified in the text.

Comment 4:

The only statistics in the report are arithmetic means and standard deviations. I assume that they have chosen to use the means to characterize ambient conditions. Many of these statistics cannot be used to characterize ambient conditions because the variability is too great as indicated by the standard deviation. For example, unacceptable means are present at the following proportion in the tables: 47% soil (3-1), 50% sediment (4-1), 40% surface water (5-2), 17% groundwater (6-1), 26% tissue (7-2-7). In addition, the variability is so high in most of the other data sets as to render the means virtually worthless. This is an unacceptable method to characterize pollutants.

Response: No basis is provided in the comment for the statement of unacceptable variability, making it difficult to quantitatively address this comment. Statistical criteria for data variability were not established for the background data set prior to the initiation of the supplemental RFI/RI. While it is possible that additional sampling might have reduced variability, it is doubtful that any significant reduction would have been achieved. In general, a successful remedial investigation process requires that decisions be made at particular sites by interpreting and analyzing data, which is inherently imperfect. While this comment identifies the data as imperfect, the Navy disagrees that the data have no value. Due to the dynamic nature of the environment being sampled, variability is expected in any environmental data set. By following regulatory guidelines and industry-accepted practices, this data can be used to help make decisions regarding each of the eight sites being considered in the RFI/RI report. The comprehensive background data set for NAS Key West incorporated background data from the background data set established for previous use with the supplemental RFI/RI at four sites on Boca Chica Key. The size of the data set more than doubled, but the statistics remained generally consistent. Additional sampling

would probably provide more confidence in the background data set but would also increase costs, and there is no reason to believe that the statistics would be significantly altered by such an effort.

Comment 5:

The report mentions toxicity results contained in a supplemental RI report. I have not seen these data, but in general, properly conducted toxicity bioassays provide better information for environmental evaluation. For example, toxicity in pore waters of samples collected within an OFW could be considered degradation.

Response: Toxicity analyses were performed in conjunction with the background investigation for the High Priority Sites. A discussion of these results can be found in Appendix J of the supplemental RFI/RI report at four sites on Boca Chica Key, which was submitted to the RAB in the Fall of 1996. Tissue from actual plant and animal receptors was collected and analyzed at many of the background sites. With the concurrence of FDEP and EPA, additional toxicity analyses were not performed in the background sampling associated with the supplemental RFI/RI for eight NAS Key West sites. The Navy is not aware of any State statute that quantifies or defines environmental degradation as a function of toxicity in pore waters, but the Navy would welcome any information that the reviewer may have on such a statute.

Comment 6:

I noticed that many of the apparent detection limits for organic parameters were exceedingly high. The potential effect of this is to create more ambiguous "undetectable" results when in fact, something may be detectable by using better methods. This could also cause a problem in the way undetectable results are handled in the analysis. To conduct statistical analysis, they replaced ambiguous undetectable values with half the detection limit. If the detection limit is high, say 4,000 parts per trillion, then it may appear that the ambient concentration of some organic compound is 2,000 parts per trillion when, in fact, it may be lower.

Response: This issue was considered early in the investigation, when the decision was made to include historical data in the overall data set for NAS Key West RCRA and CERCLA sites. Although certain constituents in past investigations exhibited high detection limits, any elimination of individual data points based on this criteria would have been highly subjective and might have eliminated potentially valuable data. In general, it was felt that historical data were a valuable source of additional information and should be kept in the data set. Thus, comparisons between the site-specific and background data sets will be consistent because data from previous investigations were included in both the background data set and the site data set.

REFERENCES

EPA (U.S. Environmental Protection Agency), 1995a. "EPA Region III BTAG Screening Levels," Philadelphia, Pennsylvania.

EPA (U.S. Environmental Protection Agency), 1995b. "Supplemental Guidance to RAGS: Region 4 Bulletins - Ecological Risk Assessment," Waste Management Division, Atlanta, Georgia.

EPA (U.S. Environmental Protection Agency), 1996. "ECO Update," EPA 540/F-95/038, Office of Solid Waste and Emergency Response.

FDEP (Florida Department of Environmental Protection), 1994. *Approach to the Assessment of Sediment Quality in Florida Coastal Waters: Volume 1 - Development and Evaluation of Sediment Quality Assessment Guidelines,* Tallahassee, Florida.

FDEP (Florida Department of Environmental Protection), 1995. "Florida Surface Water Quality Standards," Chapter 62-302.

Hull, R. N., and G. W. Suter, 1994. "Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Sediment-associated Biota," Oak Ridge National Laboratory, Oak Ridge, Tennessee.

Long, E. R., D. D. MacDonald, S. L. Smith, and F. D. Calder, 1995. "Incidence of Adverse Biological Effects within Ranges of Chemical Concentrations in Marine and Estuarine Sediments," *Environmental Management*, 19:81-97.

OME (Ontario Ministry of the Environment), 1992. *Guidelines for the Protection and Management of Aquatic Sediment Quality in Ontario*, Ontario, Canada.

Will, M. E., and G. W. Suter, 1995. "Toxicological Benchmarks for Screening Potential Contaminants of Concern for Effects on Soil Litter Invertebrates and Heterotrophic Process," Oak Ridge National Laboratory, Oak Ridge, Tennessee.

APPENDIX G

FIELD DATA FORMS AND SURVEYING DATA

SWMU 4

SOIL SAMPLES

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Soil
- [ ] Subsurface Soil
- [ ] Sediment
- [ ] Other

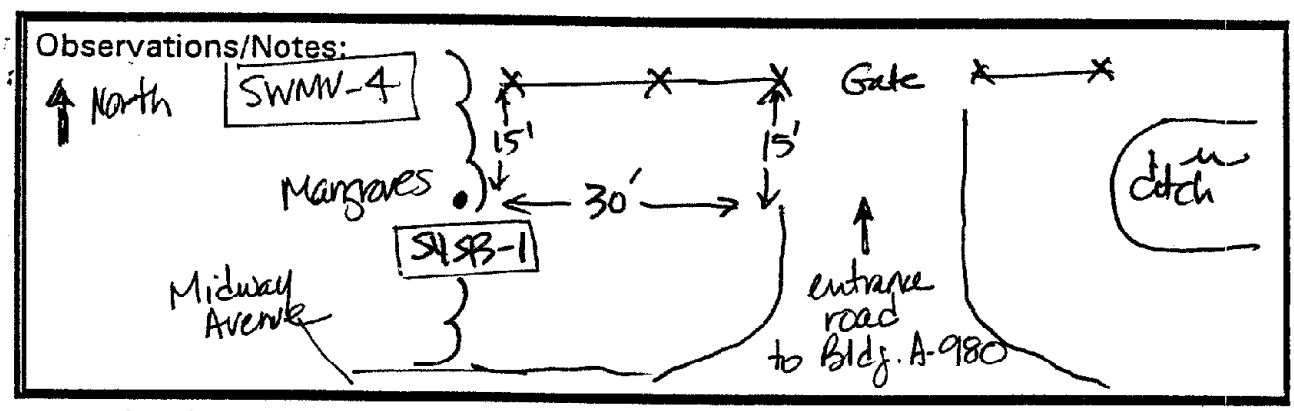
Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name S4SB-1 Sample Source or Location SWMW-4

15ft south of end of fence

Sample Method: Auger	Sample Date and Time: 10-04-96 0820
Sample Depth: 0-1 foot	Color: Grey
Sampled By (Print): Tom Nicotera	Sample Description: Clay w fine sand coral fragments
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: [x] Low [ ] Medium [ ] High	Type of Sample: [x] Composite [ ] Grab Vertical

Observations/Notes:



Analyses

Analysis	Bottle Lot #
VOC	F609901K
SVOC	
PCB/Pest	
Metals	
Cyanide	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-05-96 / 1300	1914373182

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of

- [x] Surface Soil
- [ ] Subsurface Soil
- [ ] Sediment
- [ ] Other

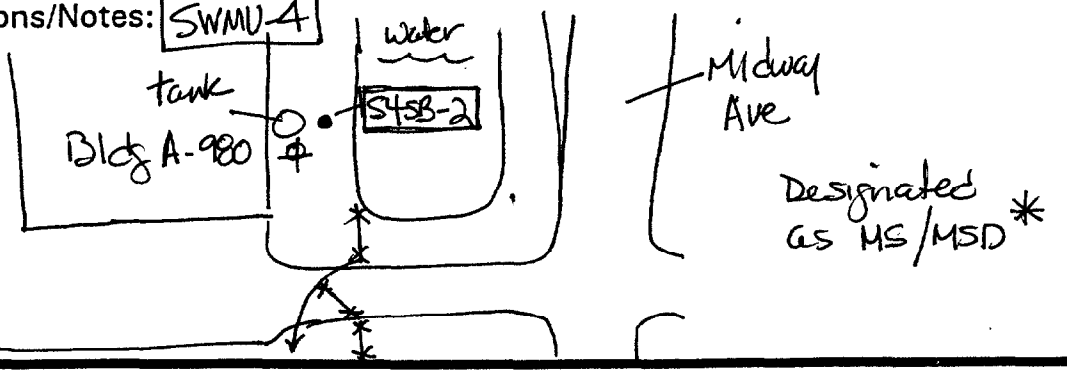
Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name S4SB-2* Sample Source or Location SWMU-4

Midway between building and ditch
Downhill from building

Sample Method: Auger (stainless)	Sample Date and Time: 10-04-96 1640
Sample Depth: 0.5-1.5 ft	Color: Grey
Sampled By (Print): Scott Flickinger	Sample Description: Dark Grey fine sand w/coral fragments
Sampled By (Signatures): [signature]	FID Reading of Sample (if appropriate): —
Concentration of Sample: [x] Low [ ] Medium [ ] High	Type of Sample: [x] Composite [ ] Grab Vertical

Observations/Notes: SWMU-4



Analyses

Analysis	Bottle Lot #
VOC	F609901K
SVOC	
PCB/Pest	
Herb	
Metals	
Cyanide	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-07-96 / 1300	1914373123

SWMU 4

SEDIMENT SAMPLES

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

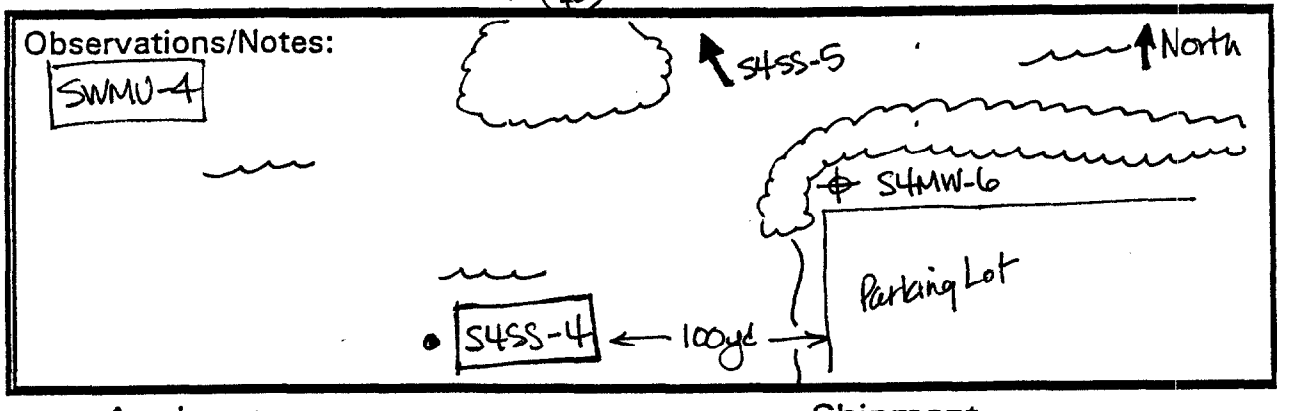
Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name S4SS-4 Sample Source or Location SWMU-4

100 yds west of parking lot west side, at its midpoint.

Sample Method: Stainless Bowl	Sample Date and Time: 09-29-96 1125
Sample Depth: 1.0 ft	Color: Grey
Sampled By (Print): Tom Nicotera	Sample Description: Sandy Silt small shells
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☒ Grab DSF

Observations/Notes:



Analyses

Analysis	Bottle Lot #
VOC 8260	B608001K
SVOC 8270	H531001K
Metals TAL	C505401K
Cyanide 335.1	C505401K
	F609901K

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	09-30-96 1740	1914373285

Brown & Root Environmental

SAMPLE LOG SHEET

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: NAS Key West

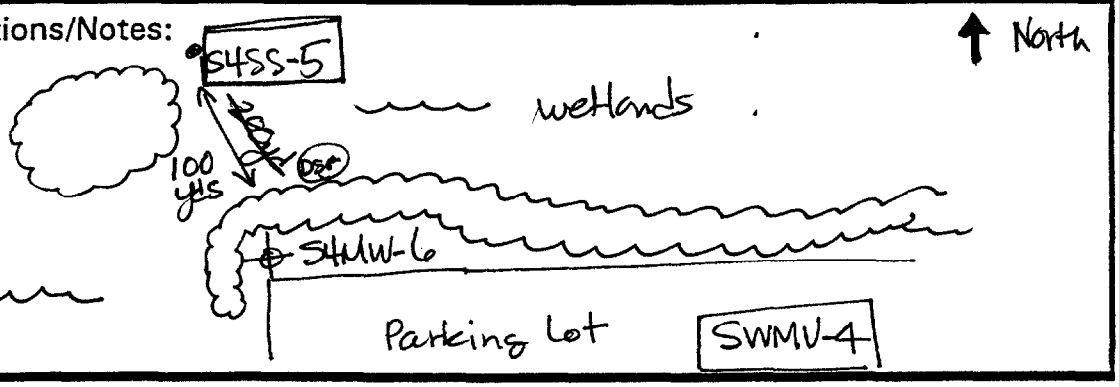
Project Site Number: 7046

B&RE Sample Name: SHSS-5

Sample Source or Location: SWMU-4 100yds NW of parking lot NW corner.

Sample Method: Stainless Bowl	Sample Date and Time: 09-29-96 1135
Sample Depth: 1.0ft.	Color: Grey
Sampled By (Print): Tom Nicotera	Sample Description: Sandy Silt w/ small shells limestone pebbles
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☒ Grab (DSF)

Observations/Notes:



Analyses

Analysis	Bottle Lot #
VOC 8260	F609901K
SVOC 8270	↓
Metals TAL	↓
Cyanide 335.1	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
CEL	09-30-96 1740	1914373285

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SAMPLE LOG SHEET

Page _____ of ____

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

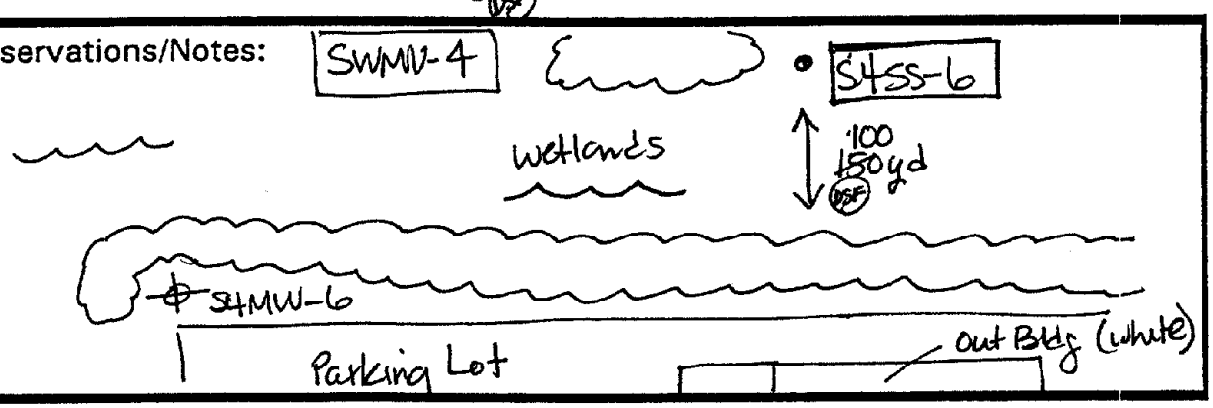
Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name SHSS-6 Sample Source or Location SWMV-4

100 yds North of parking lot at the mid point of white out building

Sample Method: Stainless Bowl	Sample Date and Time: 09-29-96 1145
Sample Depth: 0.6 ft	Color: Grey
Sampled By (Print): Tom Nicotera	Sample Description: Silty Sand small shells
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
VOC 8260	F609901K
SVOC 8270	↓
Metals TAL	↓
Cyanide 335.1	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	09-30-96/1740	1914373285

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

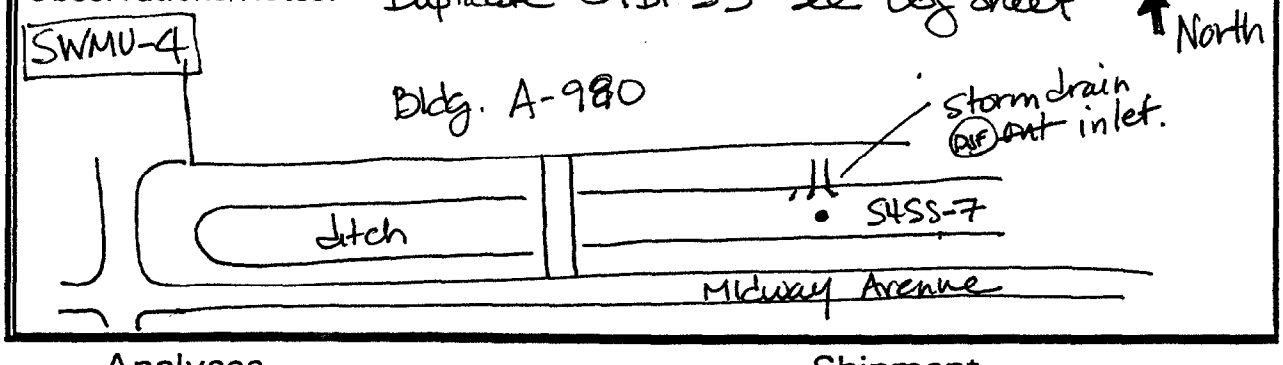
Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name S4SS-7 Sample Source or Location SWMU-4

DSF ~~West~~ ~~South~~ of storm drain inlet to ditch
DSF South middle of ditch

Sample Method: Stainless Trowel & Bowl	Sample Date and Time: 09-29-96 1215
Sample Depth: 0.6 ft.	Color: Grey (light)
Sampled By (Print): Tom Nicotera	Sample Description: Silty Sand small pebbles and little organic mat.
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☒ Grab (DSF)

Observations/Notes: Duplicate S4DPSS See Log Sheet



Analyses

Analysis	Bottle Lot #
VOC 8260	F609901K
SVOC 8270	↓
Metals TAL	↓
Cyanide 335.1	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	09-30-96 1740	~~1914373285~~ DSF
		1914373285

Brown & Root Environmental

SAMPLE LOG SHEET

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample Name: S4DPSS
Sample Source or Location: SWMU-4

Sample Method: Stainless Travel & Bowl	Sample Date and Time: 09-29-96 1215
Sample Depth: 0.6 ft	Color: Grey (light)
Sampled By (Print): Tom Nicotera	Sample Description: Silty Sand small pebbles and little organic mat.
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☒ Grab (DSF)

Observations/Notes: Duplicate of S4SS-7
Refer to S4SS-7 Log Sheet.

Analyses

Analysis	Bottle Lot #
VOC 8260	F609901K
SVOC 8270	↓
Metals TAL	↓
Cyanide 335.1	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	09-30-96 1740	1914373285

SWMU 4

SURFACE WATER SAMPLES

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name NAS KeyWest Project Site Number 7046

B&RE Sample Name S4DPSW Sample Source or Location SWMU-4

Duplicate of S4SW-1 100 yds. east from the mid point of the west side of parking lot.

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)	Salinity
8.14	29.6	5.02	clear/5	5.54	0.29%

Sample Date and Time: 09-15-96 1010

Sampled By (Print): Tom Nicotera

Sampled By (Signatures):

Observations/Notes: Duplicate

See S4SW-1 Log Sheet.

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCl	B608001K	GEL	09-16-96/1700	1914373322
SVOC 8270	—	H531001K			
Metals TAL	HNO_3	C505401K			
Cyanide 335.1	NaOH	C505401K			

COC # 9

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name NASKeyWest

Project Site Number 7046

B&RE Sample Name S4SW-4

Sample Source or Location SWMU-4

(DSF) ~~South~~ West of drainage inflow on the eastern end of A-980 facing Midway Ave.

Surface Water Data

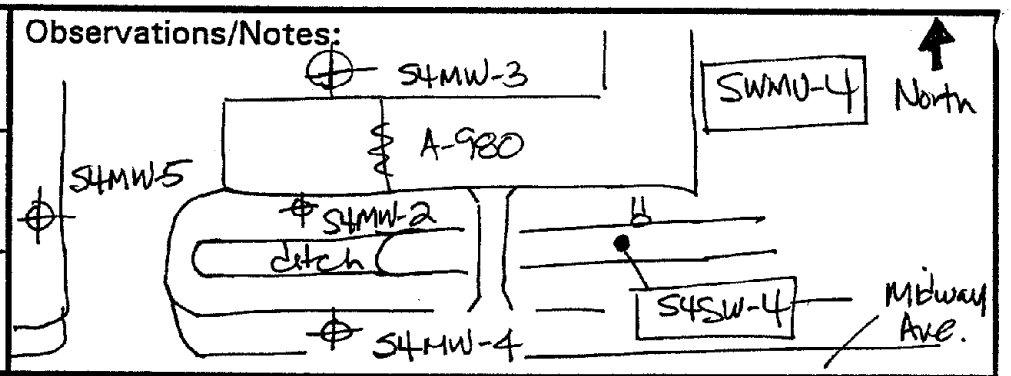
pH	Temp. (°C)	Dissolv. O_2	Color / Turb.	Elect. Conduct.(mS/cm)	Sal
7.47	26.6	1.85	clear 2	0.766	0.03 %

Sample Date and Time: 09-16-96 0825

Sampled By (Print): Scott Flickinger

Sampled By (Signatures): [signature]

Observations/Notes:



Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
SVOC 8270	—	H531001K	GEL	09-16-96 / 1700	1914373322
VOC 8260	HCL	B608001K			
Metals TAL	HNO3	C505401K			
Cyanide 335.1	NaOH	C505401K			

COC # 9

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name S4SW-3* Sample Source or Location SWMU-4

*MS/MSD 100 ~~150~~ yds north of parking lot from the mid point of the white out bldg.

Surface Water Data

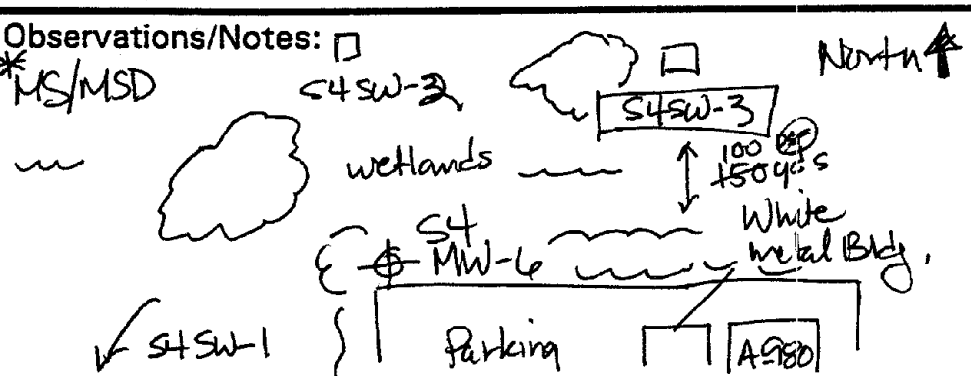
pH	Temp. (°C)	Dissolv. O_2	Color / Turb	Elect. Conduct.(mS/cm)	Sal
7.81	29.7	3.40	clear / 1	5.51	0.28%

Sample Date and Time: 09-15-96 1100

Sampled By (Print): Tom Nicotera

Sampled By (Signatures):

Observations/Notes:



Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
SVOC 8270	—	H531001K	GEL	09-16-96 1700	1914373322
VOC	HCL	B608001K			
Metals	HNO3	C505401K			
Cyanide	NaOH	C505401K			

COC # 9

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

☒ Surface Water
☐ Water QA/QC Blank Sample
- ☐ Trip Blank
- ☐ Rinsate Blank
- ☐ Field Blank
- ☐ Ambient Condition Blank

Project Site Name NAS KeyWest Project Site Number 7046

B&RE Sample Name S4SW-2 Sample Source or Location SWMU-4

(DSF) ~~200~~ 100 yds NW of corner (NW) of Parking lot.

Surface Water Data

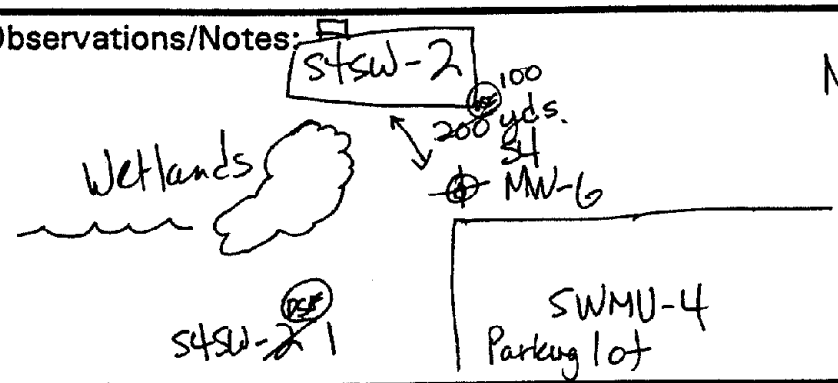
pH	Temp. (°C)	Dissolv. O_2	Color / Turb	Elect. Conduct.(mS/cm)	Sal
8.01	29.5	4.01	Clear 2	5.48	0.28 %

Sample Date and Time: 09-15-96 1040

Sampled By (Print): Tom Nicotera

Sampled By (Signatures):

Observations/Notes:



Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
SVOC 8270	—	H531001K	GEL	09-16-96 / 1700	1914373322
~~VOA~~ (DSF) VOC 8260	HCL	B608001K			
Metals TAL	HNO_3	C505401K			
Cyanide 335.1	NaOH	C505401K			

COC # 9

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name NASKeyWest

Project Site Number 7046

B&RE Sample Name S4SW-1

Sample Source or Location SWMU-4

100yds east of the midpoint of the west side of parking lot.

Surface Water Data

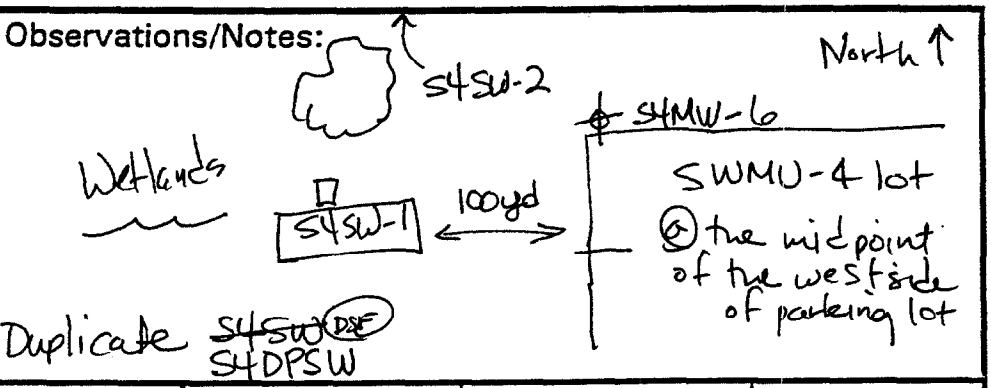
pH	Temp. (°C)	Dissolv. O_2	Color /	Elect. Conduct.(mS/cm)	Sal
8.14	29.6	5.02	Clear 5	5.54	0.29 %

Sample Date and Time: 09-15-96 1010

Sampled By (Print): Tom Nicotera

Sampled By (Signatures):

Observations/Notes:



Duplicate ~~S4SW~~ DSF S4DPSW

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
~~VOA~~ VOC 8260	HCL	B608001K	GEL	09-16-96 / 1700	1914373322
SVOC 8270	—	H531001K			
Metals TAL	HNO_3	C505401K			
Cyanide 335.1	NaOH	C505401K			

COC # 9

SWMU 4

GROUNDWATER SAMPLES

SAMPLE LOG SHEET

Brown & Root Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By Scott Flickinger

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: SHMW-2
Source Location: SWMU-4

Total Well Depth: 13.20
Well Stickup:
Well Casing Size: 2"
Static Water Level: 4.95
One Casing Volume: 1.35 gal
Start Purge (hrs.): 0930
End Purge (hrs.): 1020
Total Purge Time (min.): 50
Total Amount Purged (gal.): 4 gal
Monitoring Reading: 0ppm 0925 & 0935
Purge Method: Peristaltic
Sample Method: Peristaltic/Bailer
Depth Sampled: 6.0'
Sample Date & Time: 09-29-96 1020
Sampled By: Scott Flickinger
Signature(s): [signature]

Type of Sample
- ☐ Low Concentration
- ☐ High Concentration
- ☒ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
Metal TAL	HNO_3
VOC 8260	HCL
SVOC 8270	—
Cyanide 335.1	NaOH

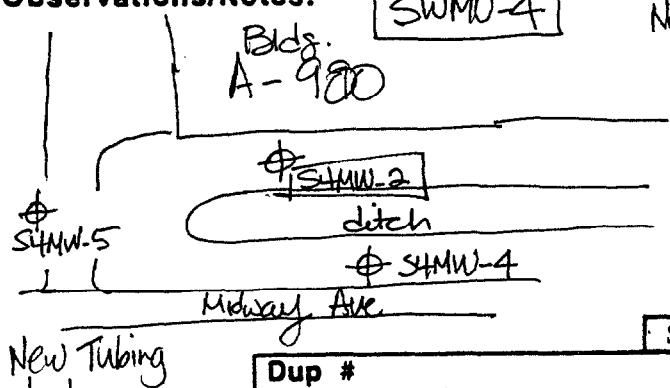
Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal	6.82	10.9	28.2	clear / 3	0.93
2 gal	6.94	11.9	27.9	clear / 3	1.25
3 gal	7.01	12.0	28.3	clear / 1	1.20
4 gal	7.00	12.6	28.3	clear / 3	0.90

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
6.97	12.7	28.1	clear / 8	0.68

Observations/Notes:



SAL.	
1	0.62
2	0.68
3	0.69
4	0.72
SAMPLE	0.73

New Tubing Lot.

Dup #
MSMSD ☐
Air Bill # 1914373285
Date Shipped 09-30-96
Time Shipped 1740
Lab GEL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By TOM NICOTERA

Project Site Name: NAS Key West
Project Site Number: 2046
B&RE Sample ID: 54 MW-3
Source Location: SWMU No. 4

Total Well Depth:	12.10'
Well Stickup:	Flush
Well Casing Size:	2"
Static Water Level:	4.65'
One Casing Volume:	1.21 gal.
Start Purge (hrs.):	09:50
End Purge (hrs.):	10:35
Total Purge Time (min.):	45
Total Amount Purged (gal.):	3.64
Monitoring Reading:	0 PPM / 09:50
Purge Method:	PERASTALTIC
Sample Method:	PERASTALTIC + Bailer
Depth Sampled:	5'
Sample Date & Time:	092996 10.40
Sampled By:	TOM NICOTERA
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	7.10	.922	29.7	clear / 19	0.74
2 gal.	7.23	.930	29.7	clear / 3	8.38
3 gal.	7.32	.857	29.9	clear / 3	1.29
3.64 gal.	7.41	.853	30.6	clear / 3	2.45

Sample Data

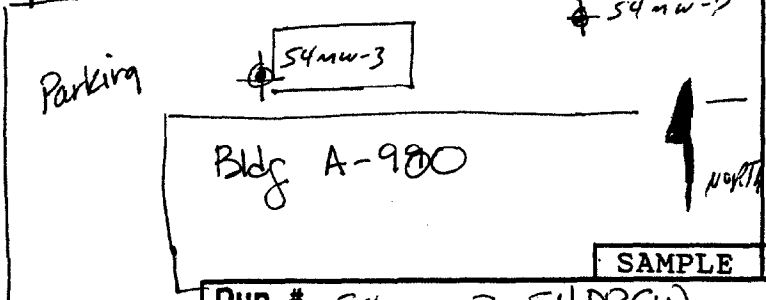
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.40	.852	30.4	clear / 2	2.42

Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
Metal TAL	HNO3
Cyanide 335.1	NaOH
SVOC 8270	—
VOC 8260	—

Observations/Notes:



SAL.
0.04
0.02
0.02
0.02
SAMPLE 0.02

Dup # ~~54mw-3~~ 54DPGW
MSMSD ☐

Air Bill # 1914373285
Date Shipped 09-30-96
Time Shipped 1740
Lab GeL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By Tom Nicotera

Project Site Name: NAS Key West
Project Site Number: _____
B&RE Sample ID: S4DPGW
Duplicate of S4MW-3
Source Location: _____

Total Well Depth:	Refer to S4MW-3
Well Stickup:	
Well Casing Size:	
Static Water Level:	
One Casing Volume:	
Start Purge (hrs.):	
End Purge (hrs.):	
Total Purge Time (min.):	
Total Amount Purged (gal.):	
Monitoring Reading:	
Purge Method:	
Sample Method:	
Depth Sampled:	
Sample Data & Time:	~~09-30-96~~ DSF 1040 ~~1740~~ DSF 09-27-96
Sampled By:	Tom Nicotera
Signature(s):	

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
		Refer	to S4MW-3		

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.40	0.852	30.4	clear / 2	2.42
			Sample	0.02

Observations/Notes:
Duplicate of S4MW-3.
Refer to S4MW-3.

Type of Sample
- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
Metal TAL	HNO3
Cyanide 335.1	NaOH
VOC 8260	—
SVOC 8270	—

Dup #
MSMSD ☐

Air Bill # 1914373285
Date Shipped 09-30-96
Time Shipped 1740
Lab GEL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By Scott Flicking

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: S4MW-4
Source Location: SWMW-4

Total Well Depth:	13.4'
Well Stickup:	
Well Casing Size:	2"
Static Water Level:	5.0'
One Casing Volume:	1.4 gal
Start Purge (hrs.):	1700
End Purge (hrs.):	1750
Total Purge Time (min.):	50
Total Amount Purged (gal.):	4.5 gal
Monitoring Reading:	Ø ppm K-55 1700
Purge Method:	Peristaltic
Sample Method:	Peristaltic/Bailer
Depth Sampled:	7.0'
Sample Date & Time:	09-28-96 1750
Sampled By:	Scott Flickinger
Signature(s):	Scott Flicking

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal	7.00	16.8	29.4	clear / 2	0.49
2 gal	7.04	17.3	29.1	clear / 2	0.59
3 gal	7.06	17.3	28.9	clear / 2	0.44
4 gal	7.16	17.3	28.9	clear / 2	1.02
4.5 gal	7.22	17.3	28.9	clear / 2	1.01

Sample Data

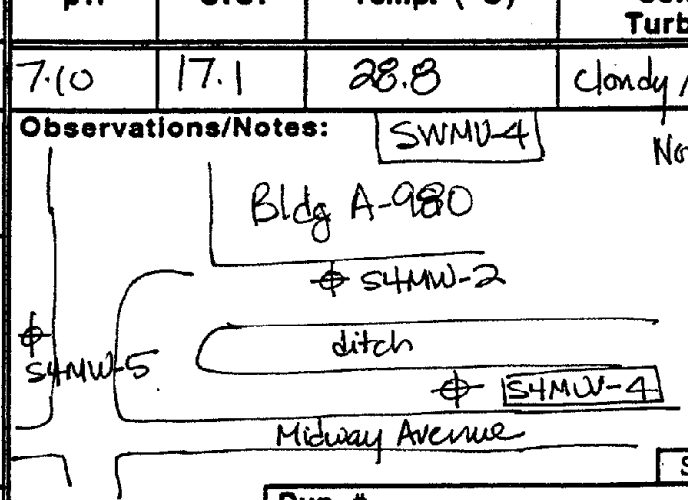
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.10	17.1	28.8	cloudy / 227	0.51

Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☒ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
Metals	HNO_3
VOC	HCL
SVOC	—
Cyanide	NaOH

Observations/Notes:



SAL.	
1.	1.00
2.	1.03
3.	1.03
4.	1.03
4.5	1.02
SAMPLE	1.01

Dup #
MSMSD ☐

Air Bill # 1914373285
Date Shipped 09-30-96
Time Shipped 1740
Lab GEL
Other

SAMPLE LOG SHEET

Brown & Root
Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By Scott Flickinger

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: S4MW-5
Source Location: (DSF) ~~HR~~ SWMU-4

Total Well Depth:	16.57'
Well Stickup:	
Well Casing Size:	
Static Water Level:	7.1'
One Casing Volume:	1.5 gal
Start Purge (hrs.):	1455
End Purge (hrs.):	1600
Total Purge Time (min.):	65
Total Amount Purged (gal.):	5.0 gal
Monitoring Reading:	Ø ppm 1500 1545
Purge Method:	Peristaltic
Sample Method:	Peristaltic
Depth Sampled:	8'
Sample Date & Time:	09-28-96 1600
Sampled By:	Scott Flickinger
Signature(s):	Scott Flickinger

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal	6.99	6.79	29.4	clear / 1	1.29
2 gal	6.96	7.57	29.0	clear / 1	0.98
3 gal	7.01	9.2	28.8	clear / 1	1.34
4 gal	6.99	9.8	28.9	clear / D	3.39
5 gal	6.99	10.2	28.8	clear / 1	1.41

Sample Data

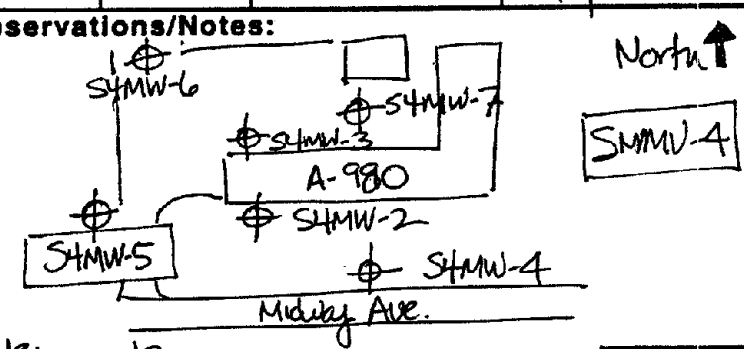
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
6.82	9.4	28.5	white cloudy / 925	0.60

Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☒ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
Metal TAL	HNO3
Cyanide 335.1	NaOH
VOC 8260	HCL
SVOC 8270	—

Observations/Notes:



SAL.
1. 0.36
2. 0.41
3. 0.51
4. 0.55
5. 0.57
SAMPLE 0.52

Note: sample cloudy for SVOC & Cyanide

Dup #	
MSMSD	☐
Air Bill #	1914373285
Date Shipped	09-30-96
Time Shipped	1740
Lab	GEL
Other	

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By Tom Nicotera

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: S4MW-6
Source Location: SWMU No. 4

Total Well Depth:	16.20'
Well Stickup:	3'
Well Casing Size:	2"
Static Water Level:	7.60'
One Casing Volume:	1.40 gal.
Start Purge (hrs.):	15:10
End Purge (hrs.):	16:00
Total Purge Time (min.):	50 min.
Total Amount Purged (gal.):	4.21
Monitoring Reading:	0 ppm / 15:10
Purge Method:	Peristaltic
Sample Method:	Peristaltic + Bailer
Depth Sampled:	8'
Sample Date & Time:	092896 16:10
Sampled By:	Tom Nicotera
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	7.14	6.55	29.4	clear / 10	1.71
2 gal.	7.11	6.79	28.6	clear / 10	1.82
3 gal.	7.20	6.88	28.5	clear / 10	8.04
4 gal.	7.19	7.00	28.4	clear / 10	8.15
4.21 gal.	7.20	6.90	28.4	CLEAR / 10	8.16

Sample Data

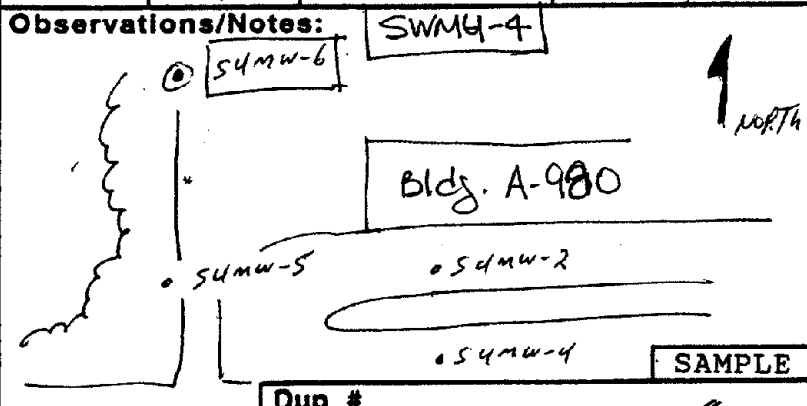
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.19	6.90	28.3	clear / 10	8.15

Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
~~200.7 Cyanide~~ TAL metal	HNO3
335.1 Cyanide	NAOH
8260 VOC	—
8270 SVOC	—

Observations/Notes:



SAL.
0.35
0.36
0.37
0.37
0.37
SAMPLE 0.37

Dup #
MSMSD ☒

Air Bill # 1914373285
Date Shipped 09-30-96
Time Shipped 1740
Lab Gel
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By Tom Nicotera

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: S4 MW-7
Source Location: SWMU No. 4

Total Well Depth:	12.00'
Well Stickup:	Flush
Well Casing Size:	2"
Static Water Level:	4.54'
One Casing Volume:	1.22 gal.
Start Purge (hrs.):	16:50
End Purge (hrs.):	17:30
Total Purge Time (min.):	40 min.
Total Amount Purged (gal.):	3.65
Monitoring Reading:	0 PPM / 16:50
Purge Method:	Peristaltic
Sample Method:	Peristaltic & Bailer
Depth Sampled:	5'
Sample Date & Time:	09 28 96 17:40
Sampled By:	Tom Nicotera
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	7.72	.795	31.8	clear / 10	7.65
2 gal.	7.54	.770	32.0	clear / 10	1.80
3 gal.	7.58	.760	32.0	clear / 10	2.00
3.65 gal.	7.57	.759	32.0	clear / 10	1.98

Sample Data

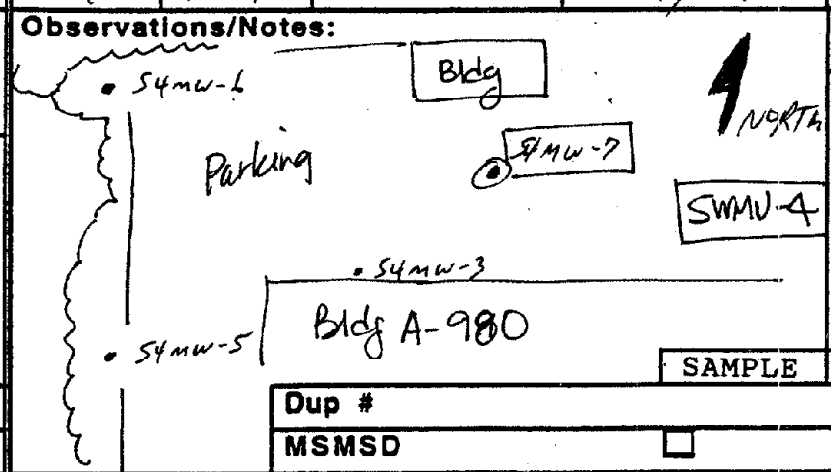
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.46	.759	32.4	clear / 10	1.04

Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
~~200.7~~ Metal TAL	HNO3
335.1 Cyanide	NaOH
8260 VOC	—
8270 SVOC	—

Observations/Notes:



SAL.
0.01
0.03
0.01
0.01
TN.
SAMPLE 0.01

Dup #
MSMSD ☐

Air Bill # 1914373285
Date Shipped 09-30-96
Time Shipped 1740
Lab: Gel
Other

SWMU 5

SOIL SAMPLES

Brown & Root Environmental

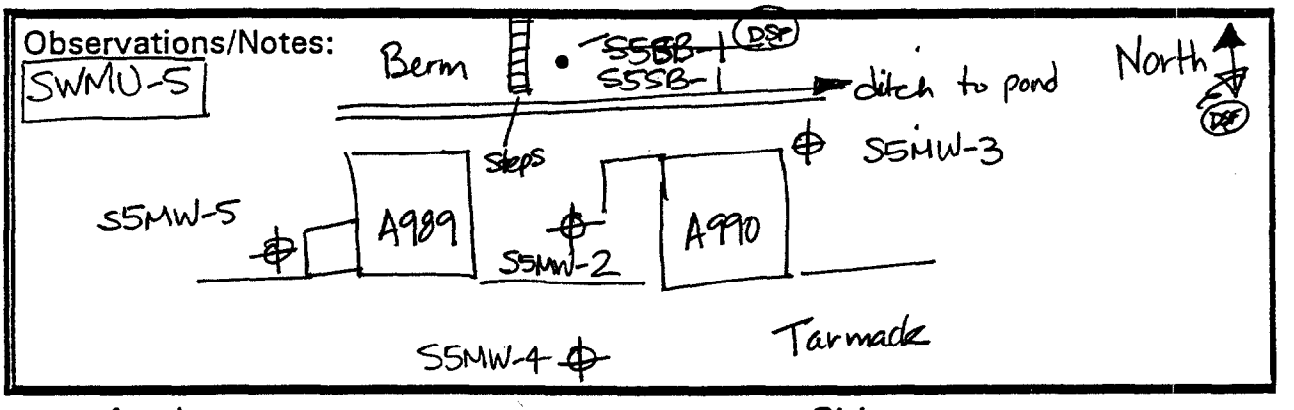
SAMPLE LOG SHEET

- [x] Surface Soil
- [ ] Subsurface Soil
- [ ] Sediment
- [ ] Other

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample Name: S5SB-1
Sample Source or Location: SWMU-5

Sample Method: Auger (Stainless)	Sample Date and Time: 10-04-96 0740
Sample Depth: 0-1 ft	Color: Light Grey – Tan
Sampled By (Print): Scott Flickinger	Sample Description: Clayey sand w/coral fragment
Sampled By (Signatures): [signature]	FID Reading of Sample (if appropriate): —
Concentration of Sample: [x] Low [ ] Medium [ ] High	Type of Sample: [x] Composite [ ] Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals ILM03.0	C505401K

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-05-96/1300	1914373182

SWMU 5

SEDIMENT SAMPLES

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

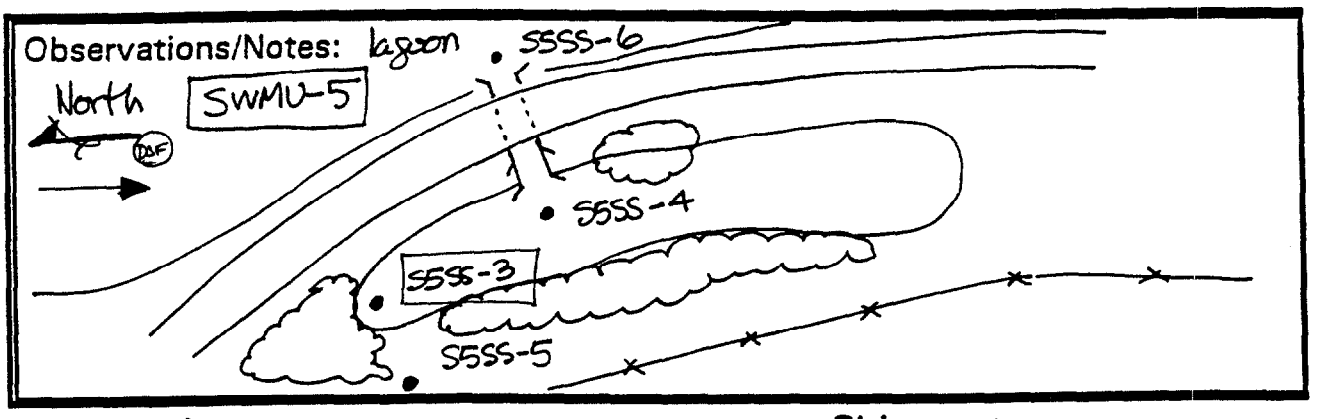
- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name SSSS-3 Sample Source or Location SWMU-5

Sample Method: Stainless Bowl and Spoon	Sample Date and Time: 09-29-96 1310
Sample Depth: 0.75 ft	Color: Grey
Sampled By (Print): Tom Nicotera	Sample Description: Silty Sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate):
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
VOC 8260	B608001K
SVOC 8270	HS31001K
Metals ILM03.0	C505401K
cyanide 335.1	C505401K

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	09-30-96 / 1740	1914373285

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

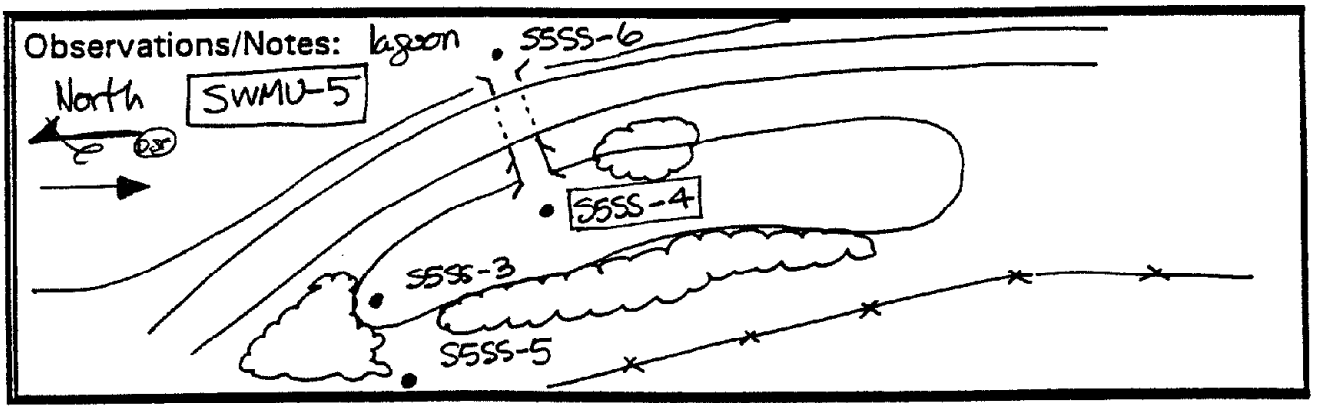
- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name SSSS-4 Sample Source or Location SWMU-5

Sample Method: Stainless Bowl and Spoon	Sample Date and Time: 09-29-96 1300
Sample Depth: 2.0ft	Color: light grey
Sampled By (Print): Tom Nicotera	Sample Description: Silty Sand w/ small shells
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
VOC 8260	BL08001K
SVOC 8270	HS31001K
Metals ILM03.0	C505401K
Cyanide 335.1	C505401K

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	09-30-96 / 1740	1914373285

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

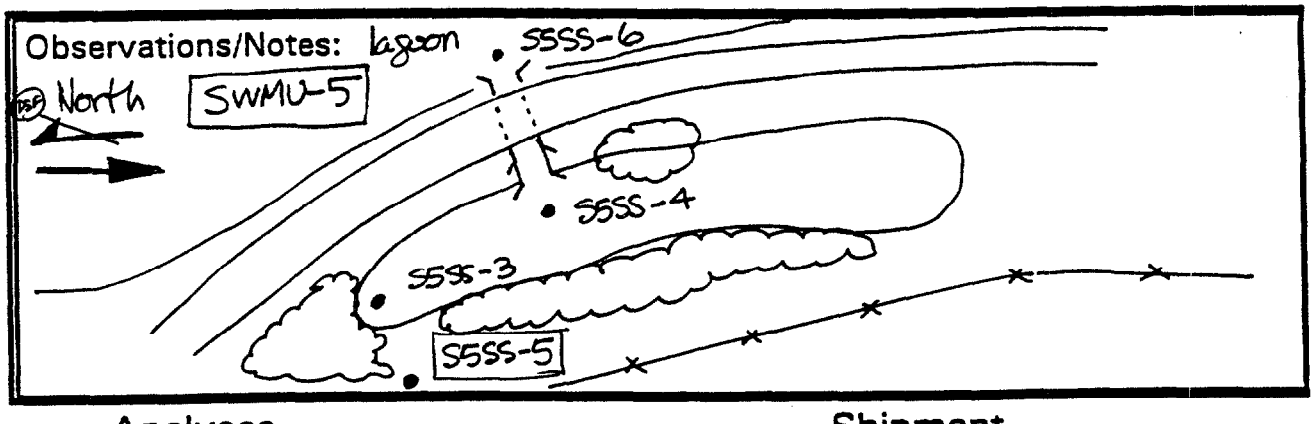
- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name SSSS-5 Sample Source or Location SWMU-5

Sample Method: Stainless Bowl and Spoon	Sample Date and Time: 09-29-96 1335
Sample Depth: 0.25 ft	Color: Brown
Sampled By (Print): Tom Nicotera	Sample Description: Silt
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
VOC 8260	B608001K
SVOC 8270	H531001K
Metals ILM03.0	C505401K
cyanide 335.1	C505401K

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	09-30-96 / 1740	1914373285

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

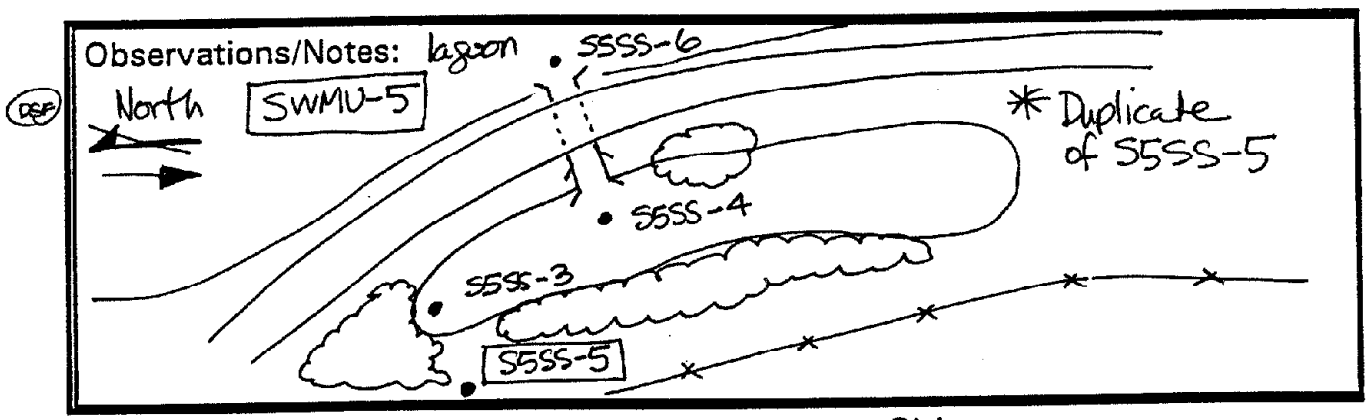
- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name S5DPSS * Sample Source or Location SWMU-5

Sample Method: Stainless Bowl and Spoon	Sample Date and Time: 09-29-96 1335
Sample Depth:	Color: Brown
Sampled By (Print): Tom Nicotera	Sample Description: Silt
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
VOC 8260	B608001K
SVOC 8270	H531001K
Metals ILM03.0	C505401K
Cyanide 335.1	C505401K

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	09-30-96 / 1740	1914373285

Brown & Root Environmental

SAMPLE LOG SHEET

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: NAS Key West

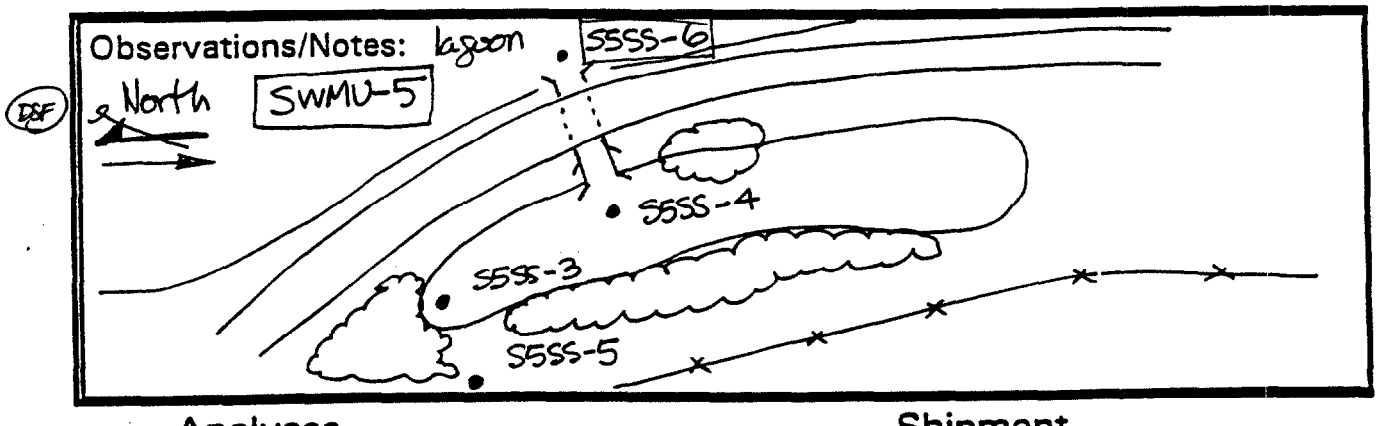
Project Site Number: 7046

B&RE Sample Name: SSSS-6

Sample Source or Location: SWMU-5 2ft beyond culvert under roadway in lagoon.

Sample Method: Stainless Bowl and Spoon	Sample Date and Time: 09-29-96 1245
Sample Depth:	Color: Gray
Sampled By (Print): Tom Nicotera	Sample Description: Silt w/ small shells
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes: lagoon



Analyses

Analysis	Bottle Lot #
VOC 8260	B608001K
SVOC 8270	H531001K
Metals ILM03.0	C505401K
Cyanide 335.1	C505401K

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	09-30-96 / 1740	1914373285

SWMU 5

SURFACE WATER SAMPLES

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name SSSW-3 Sample Source or Location SWMU-5

Surface Water Data

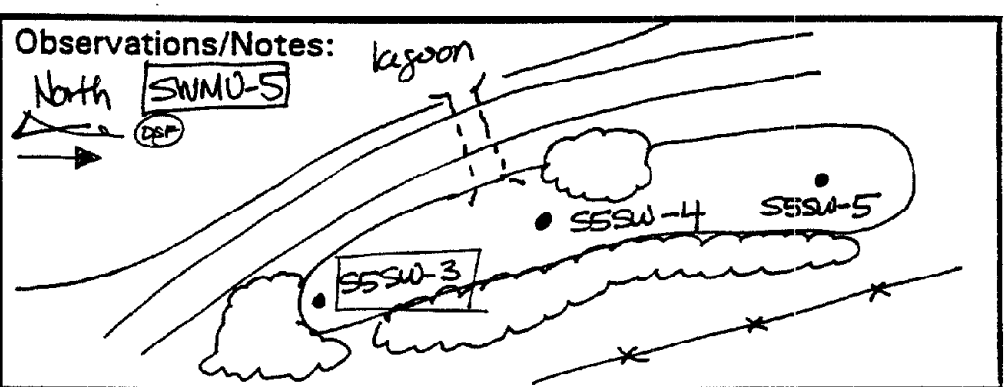
pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)	Salinity
7.51	37.2	3.43	Clear / 13	39.2	2.64

Sample Date and Time: 09-18-96 1310

Sampled By (Print): Tom Nicotera

Sampled By (Signatures):

Observations/Notes:



Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL	B608001K	GEL	09-18-96/1755	1914373296
SVOC 8270	—	H531001K			
Metals ILM03.0	HNO_3	C505401K			
Cyanide 335.1	NaOH	C505401K			

COC # 11

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name: NAS Key West

Project Site Number: 7046

B&RE Sample Name: S5SW-4

Sample Source or Location: SWMU-5

Surface Water Data

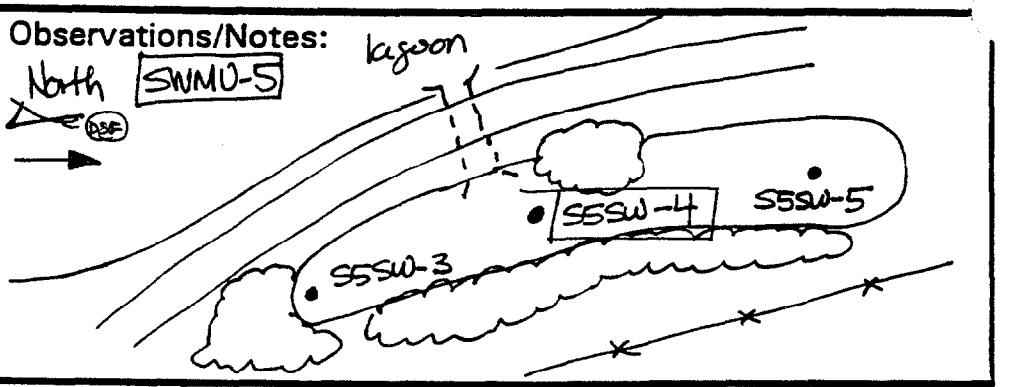
pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)	Salinity
7.74	36.9	3.08	clear / 2	46.8	32.6

Sample Date and Time: 09-18-96 1340

Sampled By (Print): Tom Nicotera

Sampled By (Signatures):

Observations/Notes:



Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL	B608001K	GEL	09-18-96/1755	1914373296
SVOC 8270	—	H531001K			
Metals ILM03.0	HNO_3	C505401K			
Cyanide 335.1	NaOH	C505401K			

COC # 11

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name SSSW-5 Sample Source or Location SWMU-5

Surface Water Data

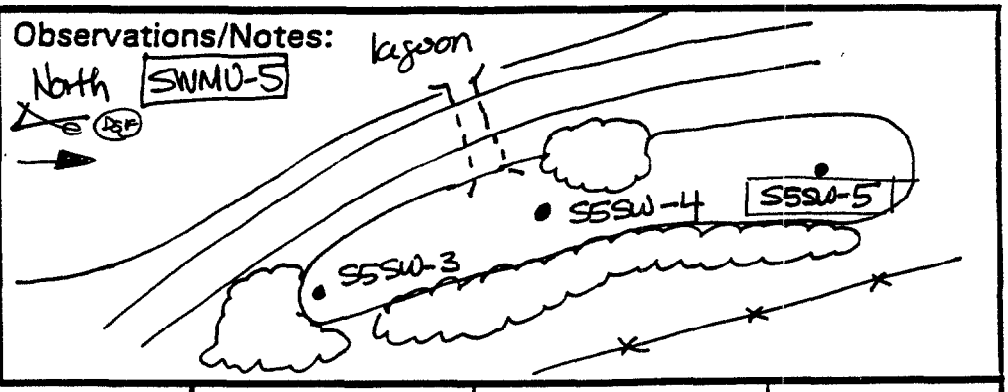
pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)	Salinity
7.80	38.6	2.41	clear / 3	50.1	3.28

nple Date and Time: 09-18-96 1445

Sampled By (Print): Tom Nicotera

Sampled By (Signatures):

Observations/Notes:



Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL	B608001K	GEL	09-18-96/1755	1914373296
SVOC 8270	—	H531001K			
Metals ILM03.0	HNO_3	C505401K			
Cyanide 335.1	NaOH	C505401K			

COC # 11

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name: NAS Key West

Project Site Number: 7046

B&RE Sample Name: SSDPSW

Sample Source or Location: SWMU-5

Surface Water Data

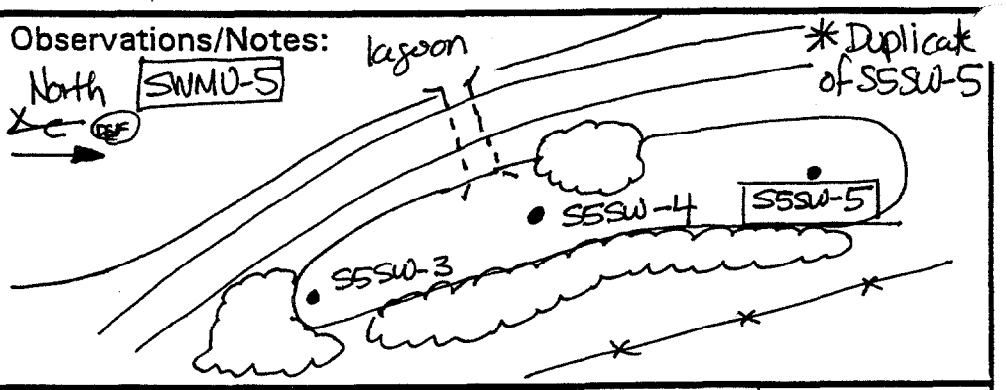
pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)	Salinity
7.80	38.6	2.41	clear / 3	50.1	3.28

Sample Date and Time: 09-18-96

Sampled By (Print): Tom Nicotera

Sampled By (Signatures):

Observations/Notes:



Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL	B608001K	GEL	09-18-96/1755	1914373296
SVOC 8270	—	H531001K			
Metals ILM03.0	HNO_3	C505401K			
Cyanide 335.1	NaOH	C505401K			

COC # 11

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

☒ Surface Water
☐ Water QA/QC Blank Sample
- ☐ Trip Blank
- ☐ Rinsate Blank
- ☐ Field Blank
- ☐ Ambient Condition Blank

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample Name: S5SW-6
Sample Source or Location: SWMU-5

Surface Water Data

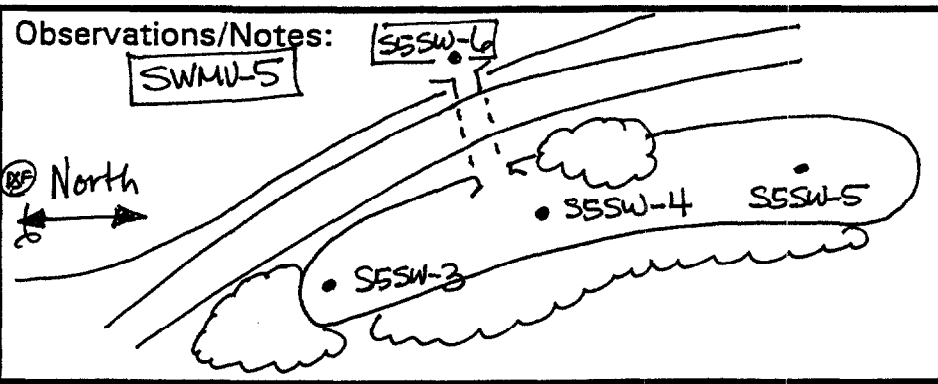
pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

nple Date and Time: 09-28-96 1830

Sampled By (Print): Tom Nicotra

Sampled By (Signatures):

Observations/Notes:



Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL	B608001K	GEL	09-30-96/1740	1914373285
SVOC 8270	—	H531001K			
Metals ILM03.0	HNO_3	C505401K			
Cyanide 335.1	NaOH	C505401K			

COC # 13

SWMU 5

GROUNDWATER SAMPLES

SAMPLE LOG SHEET

Brown & Root Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By Scott Flickinger

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: SSMW-2
Source Location: SWMU-5

Total Well Depth:	12.10'
Well Stickup:	
Well Casing Size:	2"
Static Water Level:	2.55'
One Casing Volume:	1.55 gal
Start Purge (hrs.):	1140
End Purge (hrs.):	1240
Total Purge Time (min.):	60
Total Amount Purged (gal.):	5 gal
Monitoring Reading:	Ø ppm 1145
Purge Method:	Peristaltic
Sample Method:	Peristaltic/Bailer
Depth Sampled:	4.0 ft
Sample Date & Time:	09-29-96 1240
Sampled By:	Scott Flickinger
Signature(s):	Scott Flickinger

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal	7.71	0.74	28.8	clear / 9	1.64
2 gal	7.70	0.74	28.9	clear / 6	1.35
3 gal	7.69	0.8374	29.0	clear / 8	1.75
4 gal	7.72	0.74	29.1	cloudy / 27	1.40
5 gal	7.70	0.73	29.3	cloudy / 22	~~1.94~~ 1.71

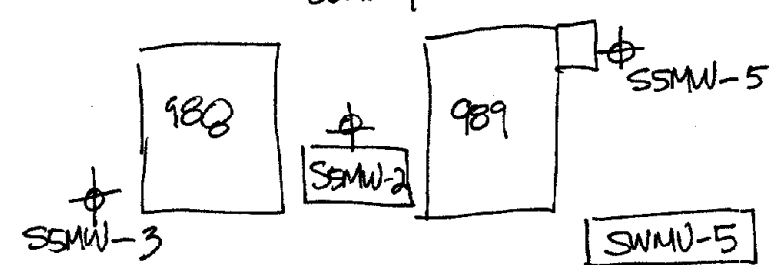
Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.70	0.74	28.8	cloudy white / 999*	1.06

Type of Sample
- ☐ Low Concentration
- ☐ High Concentration
- ☒ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
Metals TAL	HNO3
SVOC 8270	—
Cyanide 335.1	NaOH

Observations/Notes: * Cloudy sample for SVOC and Cyanide



Salinity
1. 0.03
2. 0.03
3. 0.03
4. 0.03
5. 0.03
Sample 0.03

Dup #
MSMSD ☐

Air Bill # 1914373285
Date Shipped 09-30-96
Time Shipped 1740
Lab GEL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By Tom Nicotera

Project Site Name: NAS Keywest
Project Site Number: 7046
B&RE Sample ID: SSMW-3
Source Location: SWMU No. 5

Total Well Depth:	12.45'
Well Stickup:	Flush
Well Casing Size:	2"
Static Water Level:	2.84'
One Casing Volume:	1.57 gal.
Start Purge (hrs.):	11:05
End Purge (hrs.):	12:00
Total Purge Time (min.):	55 min.
Total Amount Purged (gal.):	4.70
Monitoring Reading:	0 ppm / 10:58
Purge Method:	Peristaltic
Sample Method:	Peristaltic + Bailer
Depth Sampled:	3.5'
Sample Date & Time:	09-30-96 12:10
Sampled By:	Tom Nicotera
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	7.28	.923	28.3	clear / 2	2.17
2 gal	7.31	.916	28.1	clear / 2	2.00
3 gal.	7.25	.919	27.8	clear / 3	1.95
4 gal.	7.39	.929	27.6	clear / 1	1.97
4.70 gal.	7.37	.924	27.7	clear / 1	1.96

Sample Data

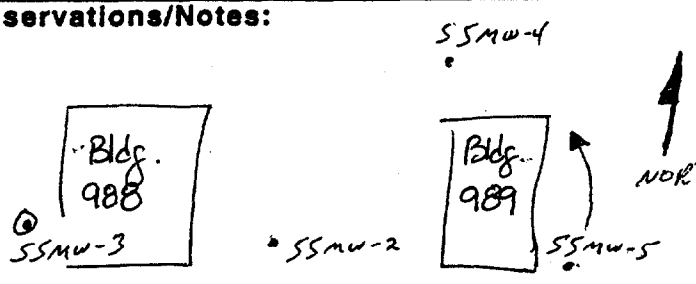
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.29	.942	28.2	clear / 17	2.13

Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
SVOC 8270	—
335.1 MeCN	NaOH
TAL. Metals	HNO3

Observations/Notes:



SAL.
0.04
0.04
0.02
0.02
0.02
SAMPLE 0.02

Dup # ~~SSMW-3~~ (DSF) SSDPGW
MSMSD ☐

Air Bill # 1914373285
Date Shipped 09-30-96
Time Shipped 1740
Lab Gel.
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By Scott Flickinger

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: S5MW-4
Source Location: SWMU-5

Total Well Depth:	12.90'
Well Stickup:	
Well Casing Size:	2"
Static Water Level:	2.75
One Casing Volume:	1.65 gal
Start Purge (hrs.):	0900
End Purge (hrs.):	1000
Total Purge Time (min.):	60
Total Amount Purged (gal.):	5 gal
Monitoring Reading:	Ø ppm 0850 Ø ppm 0920
Purge Method:	Peristaltic
Sample Method:	Peristaltic/Bailer
Depth Sampled:	4A
Sample Data & Time:	09-30-96 1000
Sampled By:	Scott Flickinger
Signature(s):	Scott Flickinger

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal	7.46	0.96	29.8	clear / 7	1.83
2 gal	7.56	0.86	30.1	clear / 9	1.91
3 gal	7.55	1.00	29.8	clear / 4	1.85
4 gal	7.54	0.99	30.1	clear / 2	1.35
5 gal	7.60	~~9.02~~ 0.99	29.4	clear / 2	1.63

Sample Data

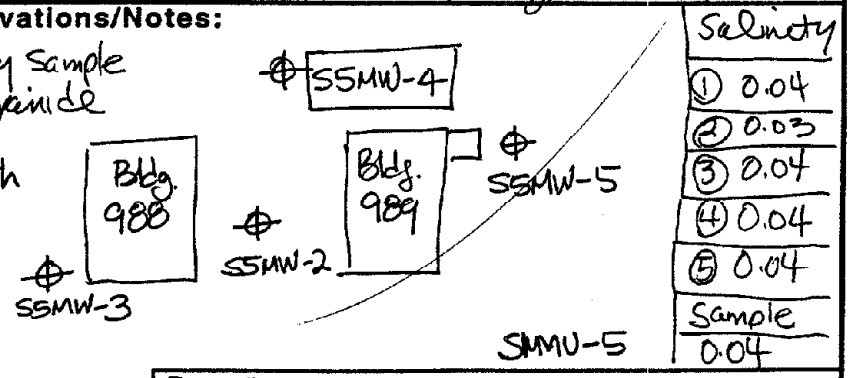
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.53	1.04	30.1	cloudy / 758*	0.99

Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☒ Grab
- ☐ Composite
- ☐ Grab - Composite

Observations/Notes:

*Cloudy sample for cyanide



Salinity	
1	0.04
2	0.03
3	0.04
4	0.04
5	0.04
Sample	0.04

Analysis:	Preservative:
~~SVOC~~ Metals	HNO_3
SVOC	—
Cyanide	NaOH

Dup #
MSMSD ☐

Air Bill # 1914373285
Date Shipped 09-30-96
Time Shipped 1740
Lab GEL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By Tom Nicotera

Project Site Name: NAS Keywest
Project Site Number: 7048
B&RE Sample ID: SS MW-5
Source Location: SWMU No. 5

Total Well Depth:	17.00'
Well Stickup:	3'
Well Casing Size:	2"
Static Water Level:	6.19'
One Casing Volume:	1.76 gal.
Start Purge (hrs.):	08:49
End Purge (hrs.):	10:00
Total Purge Time (min.):	71 min.
Total Amount Purged (gal.):	5.29
Monitoring Reading:	0 ppm / 08:50
Purge Method:	Peristaltic
Sample Method:	Peristaltic + Bailer
Depth Sampled:	7'
Sample Date & Time:	09-30-96 10:15
Sampled By:	Tom Nicotera
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	6.97	.748	27.5	clear / 21	1.44
2 gal.	7.34	.765	27.6	clear / 20	7.49
3 gal.	7.52	.764	27.8	clear / 16	2.42
4 gal.	7.59	.775	27.9	clear / 13	2.33
5 gal.	7.55	.785	27.8	clear / 11	1.94
5.29 gal.	7.56	.771	27.9	clear / 13	2.01

Sample Data

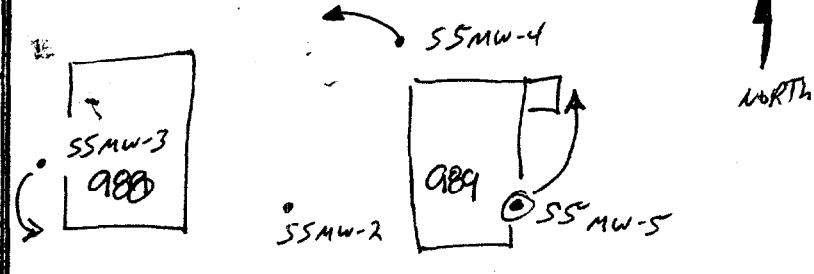
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.77	.981	28.0	clear / 15	1.92

Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
SVOC 8270	—
335.1 CN	NaOH
TAL Metals	HNO3

Observations/Notes:



SAL.
0.03
0.03
0.03
0.03
0.03
0.03
SAMPLE 0.04

Dup # _____
MSMSD ☐

Air Bill # 1914373285
Date Shipped 09-30-96
Time Shipped 1740
Lab GeL.
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By Tom Nicotera

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: S5DPGW
Source Location:

Total Well Depth:	Refer to S5MW-3
Well Stickup:	
Well Casing Size:	
Static Water Level:	
One Casing Volume:	
Start Purge (hrs.):	
End Purge (hrs.):	
Total Purge Time (min.):	
Total Amount Purged (gal.):	
Monitoring Reading:	
Purge Method:	
Sample Method:	
Depth Sampled:	
Sample Data & Time:	09-30-96 1210
Sampled By:	Tom Nicotera
Signature(s):	

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
		Refer to S5MW-3			

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.29	0.942	28.2	clear/17	2.13
			Salinity	0.02

Observations/Notes:

Refer to S5MW-3
Duplicate of S5MW-3

Type of Sample
- ☐ Low Concentration
- ☐ High Concentration
- ☐ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
SVOC 8270	—
Cyanide 335.1	NaOH
Metals TAL	HNO3

Dup #
MSMSD ☐

Air Bill # 194-373285
Date Shipped 09-30-96
Time Shipped 1740
Lab GEL
Other

SWMU 7

SOIL SAMPLES

Brown & Root Environmental

SAMPLE LOG SHEET

- [x] Surface Soil
- [ ] Subsurface Soil
- [ ] Sediment
- [ ] Other

Project Site Name: NAS Key West

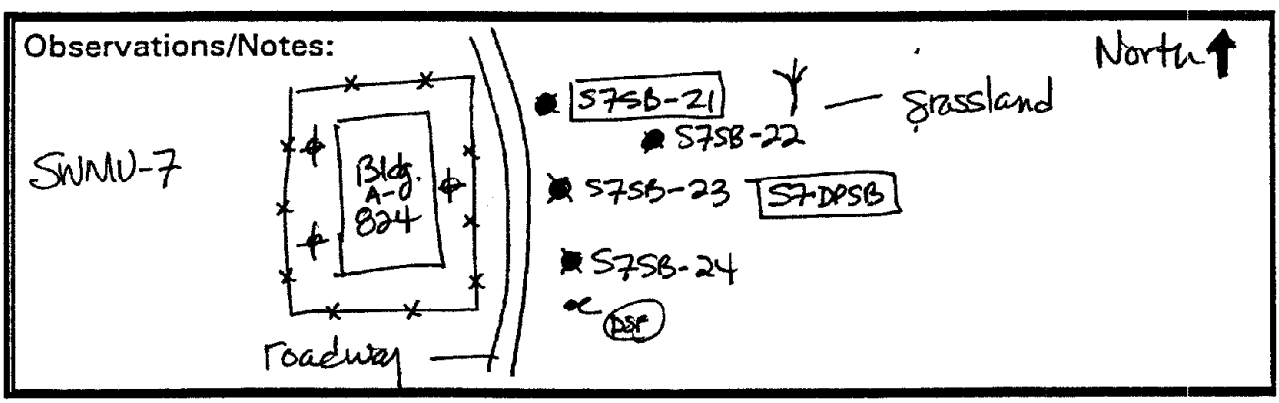
Project Site Number: 7046

B&RE Sample Name: S7SB-21

Sample Source or Location: SWMU-7 East of Bldg. A-824 Northeast Corner. 8 ft East of roadway.

Sample Method: Auger (stainless)	Sample Date and Time: 10-04-96 1520
Sample Depth: 0-0.5 ft	Color: Grey
Sampled By (Print): Scott Flickinger	Sample Description: Clayey Sand (fine) w/coral fragment
Sampled By (Signatures): D Deatfliehing	FID Reading of Sample (if appropriate): — FID disabled
Concentration of Sample: [x] Low [ ] Medium [ ] High	Type of Sample: [x] Composite [ ] Grab Vertical

Observations/Notes:



Analyses

Analysis	Bottle Lot #
VOC	F60990K
SVOC	↓
PCB/Pest	↓
Herb	↓
Metals	↓
Cyanide	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-7-96/1300	1914373123

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of .

- [x] Surface Soil
- [ ] Subsurface Soil
- [ ] Sediment
- [ ] Other

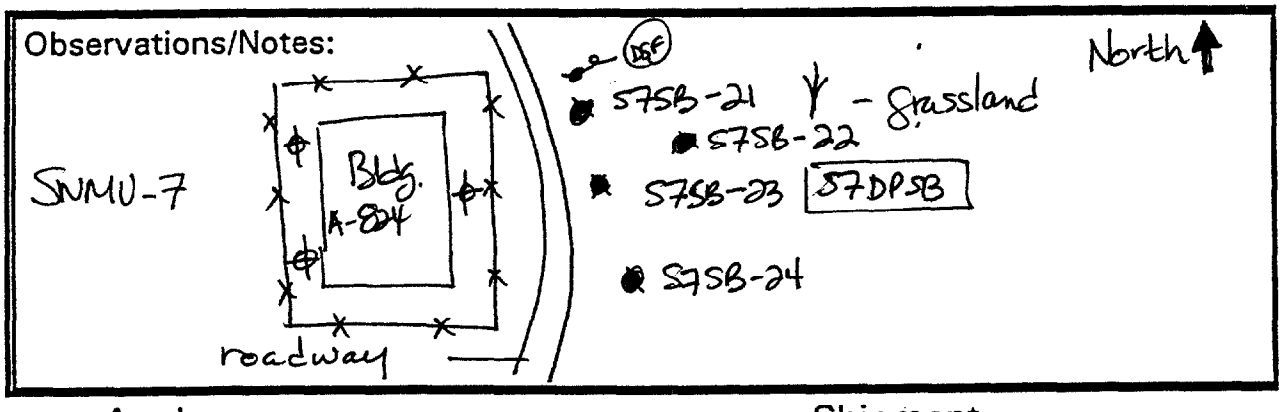
Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name S7SB-22 Sample Source or Location SWMU-7

Between SB-23 & SB-21. East of Bldg. A-824. 20 ft East of roadway edge. ~~Half the distance~~ DSF

Sample Method: Auger (stainless)	Sample Date and Time: 10-04-96 1615
Sample Depth: 0-0.5 ft	Color: Dark Grey
Sampled By (Print): Scott Fluckinger	Sample Description: (fine) Sandy Clay w/ coral pebbles
Sampled By (Signatures): [signature]	FID Reading of Sample (if appropriate): — FID disabled
Concentration of Sample: [x] Low [ ] Medium [ ] High	Type of Sample: [x] Composite [ ] Grab Vertical

Observations/Notes:



Analyses

Analysis	Bottle Lot #
VOC	F609901K
SVOC	
PCB/Pest	
Herb	
Metals	
Cyanide	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-7-96/1300	1914373123

Brown & Root Environmental

SAMPLE LOG SHEET

- [x] Surface Soil
- [ ] Subsurface Soil
- [ ] Sediment
- [ ] Other

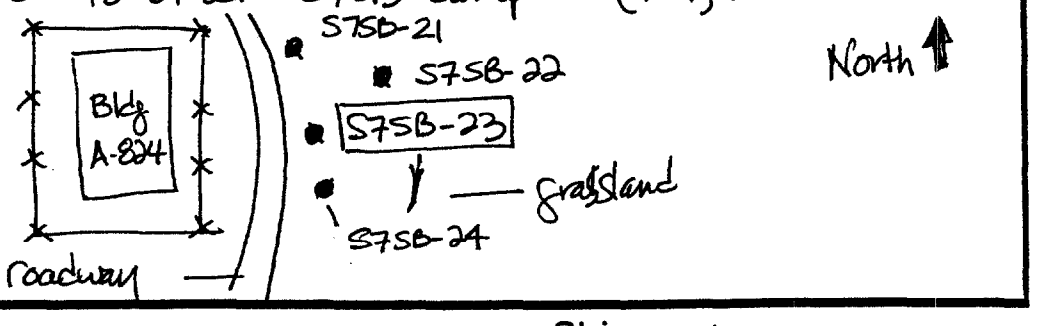
Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name S7SB-23 Sample Source or Location SWMU-7

(DSF) ~~Eof~~ East of Bldg A-824 Center 8ft East of roadway edge.

Sample Method: Auger Stainless Steel	Sample Date and Time: 10-04-96 1500
Sample Depth: 0-1ft.	Color: Dark Brown
Sampled By (Print): Tom Nicotera	Sample Description: Silty Sand (fine grain) w/ limestone fragments
Sampled By (Signatures):	FID Reading of Sample (if appropriate): FID disabled. Petroleum fumes present when augering and homogenizing sample
Concentration of Sample: ☐ Low ☒ Medium ☐ High	Type of Sample: ☐ Composite ☐ Grab

Observations/Notes: Petroleum Fumes. No visible product. Discolored soil compared to other S7SB samples (i.e., Brown Color).



Analyses

Analysis	Bottle Lot #
VOC (8260)	F609901K
SVOC (8270)	
Pest/PCB (8080)	
b. (8150)	
Cyanide (335.1)	
Metals (TAL)	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-7-96 / 1300	914373123

Brown & Root Environmental

SAMPLE LOG SHEET

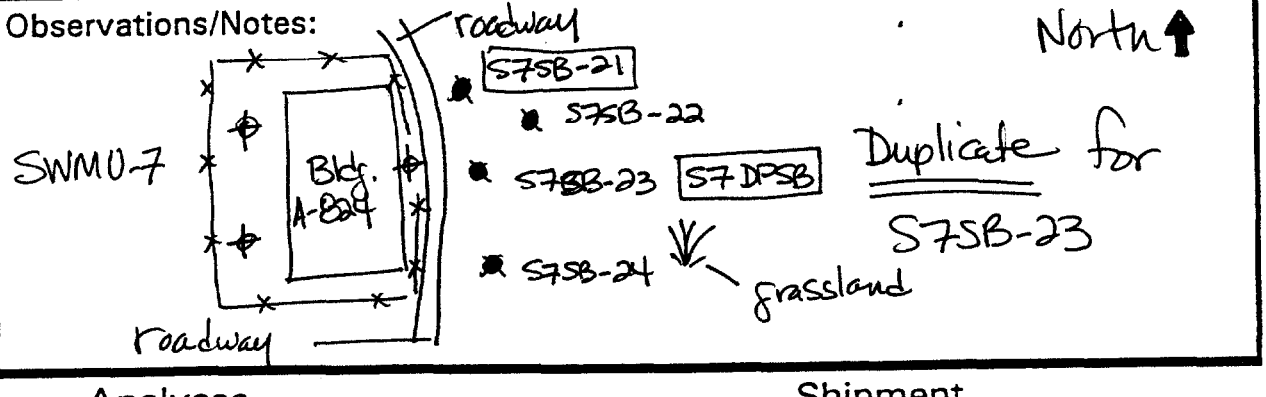
Page 1 of 1

- [x] Surface Soil
- [ ] Subsurface Soil
- [ ] Sediment
- [ ] Other

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample Name: S7DPSB
Sample Source or Location: SWMU-7 East of Bldg. A-824 8ft East of roadway edge

Sample Method: Auger (Stainless)	Sample Date and Time: 10-04-96 1500
Sample Depth: 0-1 ft	Color: Brown (Dark)
Sampled By (Print): Tom Nicotera	Sample Description: Medium Grain Silty Sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): FID disabled Petroleum fumes present
Concentration of Sample: ☐ Low ☒ Medium ☐ High	Type of Sample: ☒ Composite ☐ Grab Vertical

Observations/Notes:



Analyses

Analysis	Bottle Lot #
VOC	F609901K
SVOC	
PCB/Pest	
Herb.	
Metals	
Cyanide	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-7-96/1300	1914373123

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Soil
- [ ] Subsurface Soil
- [ ] Sediment
- [ ] Other

Project Site Name NAS Key West

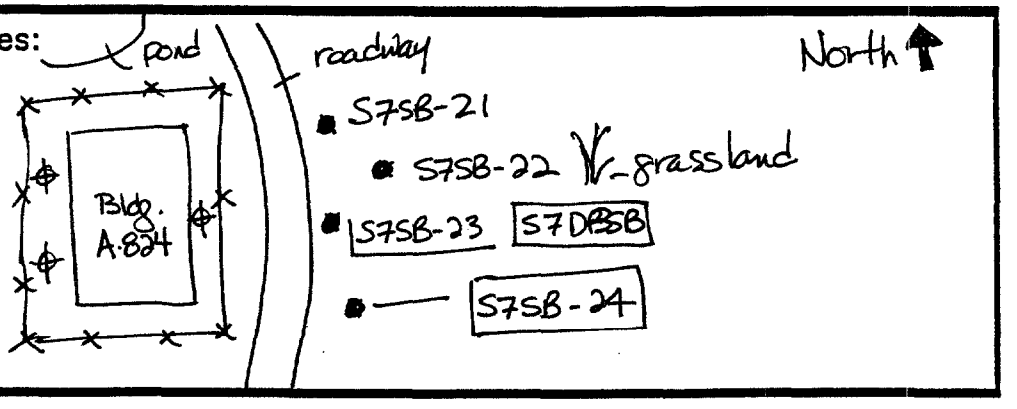
Project Site Number 7046

B&RE Sample Name S7SB-24

Sample Source or Location SWMU-7
East of Bldg A-824 Southeast Corner
12ft East of roadway

Sample Method: Auger Stainless	Sample Date and Time: 10-04-96 1415
Sample Depth: 0-1 ft	Color: Grey
Sampled By (Print): Scott Flickinger	Sample Description: Clay w/ fine sand & coral pebbles
Sampled By (Signatures): [signature]	FID Reading of Sample (if appropriate): FID disabled
Concentration of Sample: [x] Low [ ] Medium [ ] High	Type of Sample: [x] Composite [ ] Grab Vertical

Observations/Notes:



Analyses

Analysis	Bottle Lot #
VOC (8260)	F609901K
SVOC (8270)	
Pest/PCB (8080)	
O. (8150)	
Metals (TAL)	
Cyanides (335.1)	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-7-96/1300	1914373123

SWMU 7

SEDIMENT SAMPLES

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

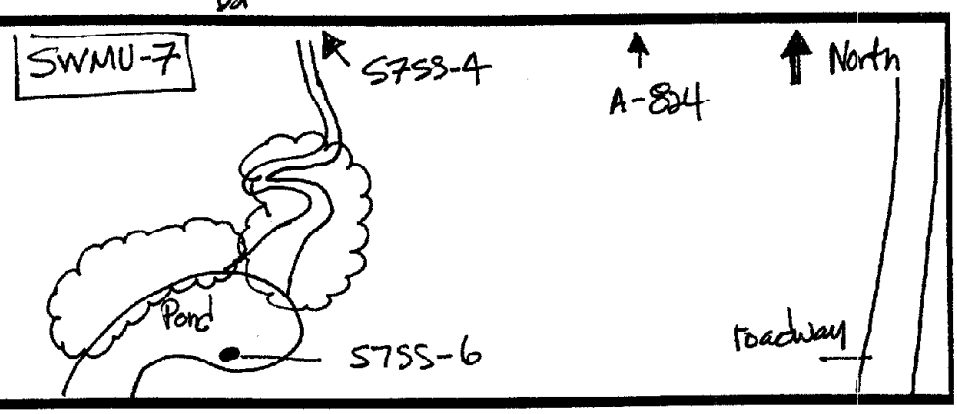
Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name S7SS-06 Sample Source or Location SWMU-7

200 ft south of fork in mosquito ditch

Sample Method: Stainless Steel Bowl	Sample Date and Time: 10-1-96 1420
Sample Depth: 1ft	Color: Lgt. Brown
Sampled By (Print): Alford Barnett	Sample Description: Silty sand (fine grain) w/white limestone fines
Sampled By (Signatures):	FID Reading of Sample (if appropriate):
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
SVOC (8270)	F609901K
Pest/PCB (8080)	↓
Herb. (8150)	↓
nide (3351)	↓
Metals (TAL)	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-2-96/1450	1914373320

Brown & Root Environmental

SAMPLE LOG SHEET

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: NAS Key West

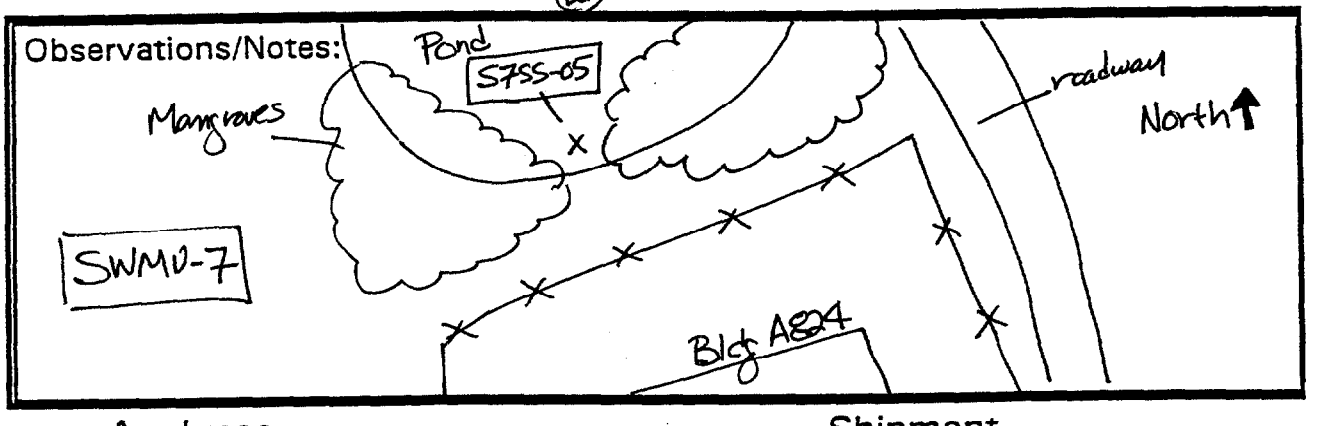
Project Site Number: 7046

B&RE Sample Name: S7SS-05

Sample Source or Location: SWMU-7 North of Bldg A-824

Sample Method: Stainless Steel Bowl	Sample Date and Time: 10-1-96 1550
Sample Depth: 18"	Color: Dark Black
Sampled By (Print): Alford Barnett	Sample Description: Silt w/ limestone fines slight oil sheen
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☐ Low ☒ Medium ☐ High	Type of Sample: ☒ Composite ☒ Grab (DOF)

Observations/Notes:



Analyses

Analysis	Bottle Lot #
SVOC (8270)	F60990K
Pest/PCB (8080)	↓
Herb (8150)	↓
Cyanides (335.1)	↓
Metals (TAL)	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-2-96/1450	1914373230

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name S7DPSS Sample Source or Location SWMU-7

Sample Method: Stainless Steel Bowl	Sample Date and Time: 10-1-96 1550
Sample Depth: 18"	Color: Dark Black
Sampled By (Print): Alford Barnett	Sample Description: Silt w/ limestone fines, slight oil sheen
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☐ Low ☒ Medium ☐ High	Type of Sample: ☒ Composite ☒ Grab (D#)

Observations/Notes:

Duplicate of S7SS-05. See S7SS-05 Sample Log Sheet Map

Analyses

Analysis	Bottle Lot #
SVOC (8270)	F609901K
Pest/PCB (8080)	↓
Herb (8150)	
Cyanide (335.1)	
Metals (TAL)	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-2-96 / 1450	1914373230

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

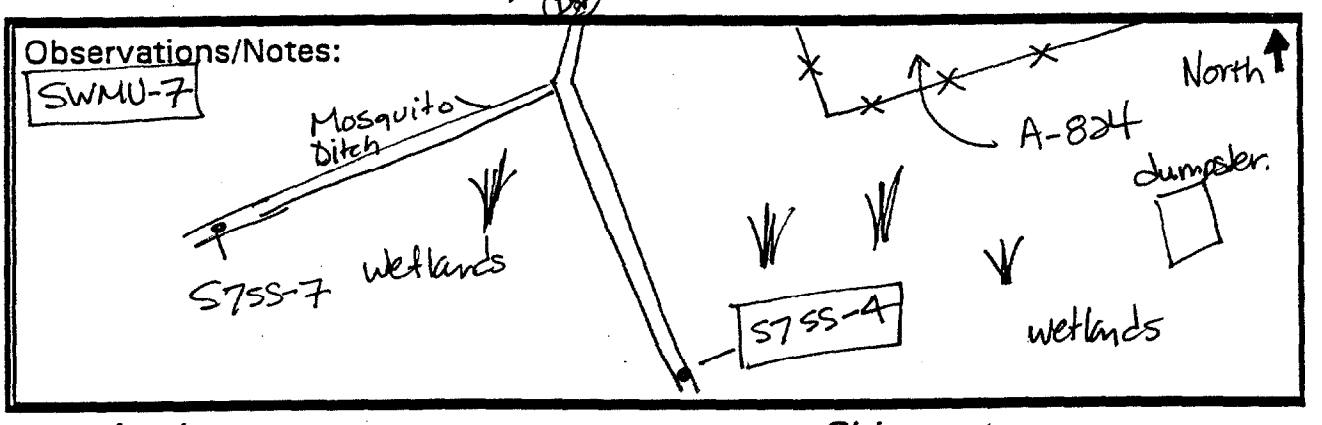
Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name S7SS-04 Sample Source or Location SWMU-7

50ft south of fork in ditch (mosquito)

Sample Method: Stainless Steel Bowl	Sample Date and Time: 10-1-96 1415
Sample Depth: 2ft	Color: Dark Brown
Sampled By (Print): Alford Barnett	Sample Description: Sandy (fine grain) silt
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
SVOC (8270)	F609901K
Pest/PCB (8080)	
Herb. (8150)	
Cyanide (335.1)	
Metals (TAL)	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-2-96/1450	1914373230

Brown & Root Environmental

SAMPLE LOG SHEET

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: NAS Key West

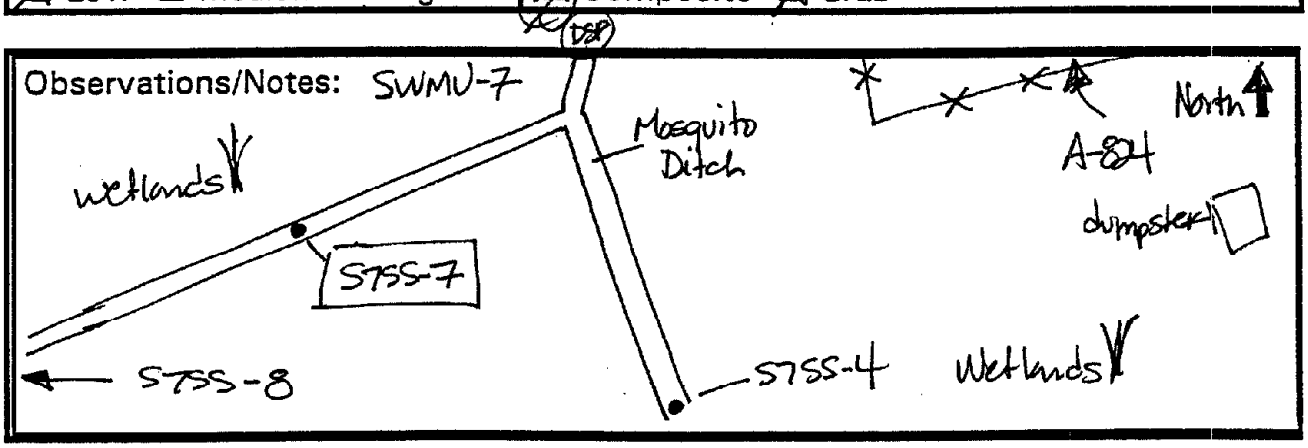
Project Site Number: 7046

B&RE Sample Name: S7SS-07

Sample Source or Location: SWMU-7
50ft from fork in mosquito ditch (SW)

Sample Method: Stainless Steel Bowl	Sample Date and Time: 10-1-96 1425
Sample Depth: 18"	Color: Lgt. Brown
Sampled By (Print): Alford Barnett	Sample Description: Silty Sand fine grain
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☒ Grab

Observations/Notes: SWMU-7



Analyses

Analysis	Bottle Lot #
SVOC (8270)	F609901K
Pest/PCB (8080)	↓
Herb. (8150)	↓
Cyanide (335.1)	↓
Metals (TAL)	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-2-96/1450	1914373230

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

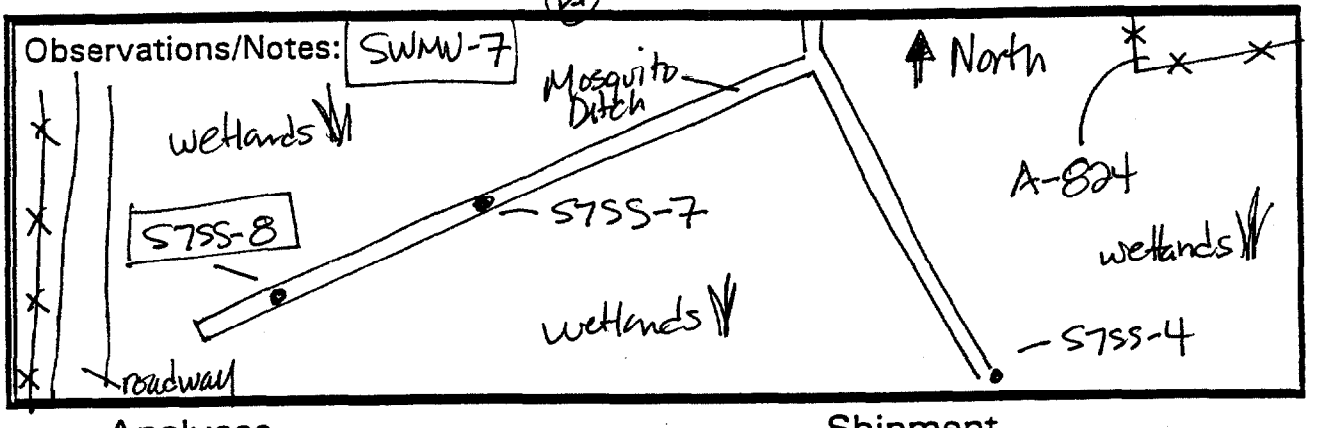
Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name S7SS-08 Sample Source or Location SWMU-7

80ft from fork in mosquito ditch (SW)

Sample Method: Stainless Steel Bowl	Sample Date and Time: 10-1-96 1530
Sample Depth: 21"	Color: Lgt Brown
Sampled By (Print): Alford Barnett	Sample Description: Silty sand (fine grain) w/ limestone fines
Sampled By (Signatures):	FID Reading of Sample (if appropriate):
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☒ Grab

Observations/Notes: SWMU-7



Analyses

Analysis	Bottle Lot #
SVOC (8270)	F6099011K
Pest/PCB (8080)	
Herb. (8150)	
Cyanide (335.1)	
Metals (TAL)	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-2-96/1450	1914373230

SWMU 7

SURFACE WATER SAMPLES

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name NAS Key West

Project Site Number 7046

B&RE Sample Name S7SW-04

Sample Source or Location SWMU-7
Southwest of Bldg. A-824

Surface Water Data

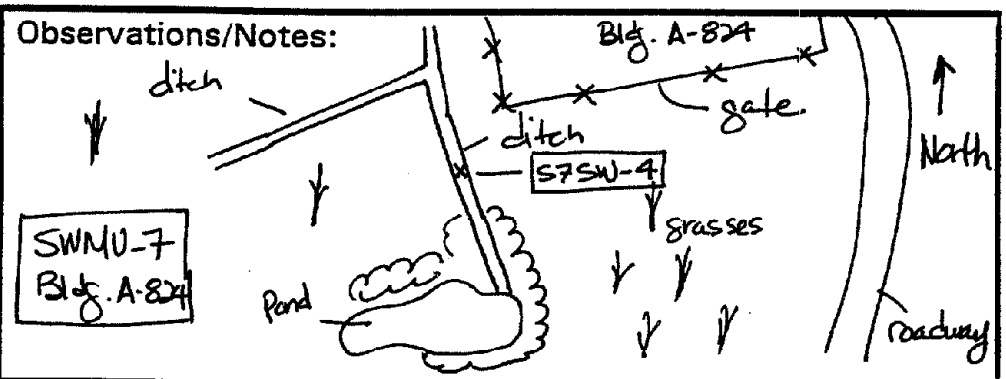
pH	Temp. (°C)	Dissolv. O_2	Color / Turb	Elect. Conduct.(mS/cm)	Salinity
7.43	28.0	0.76	Brown / 6	4.10	0.19

ıple Date and Time:
10-1-96 1345

Sampled By (Print):
Alford Barnett

Sampled By (Signatures):

Observations/Notes:



Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
SVOC (8270)	—	H531001K	GEL	10-2-96/1450	1914373230
Pest/PCB (8080)	—	↓			
Herb. (8150)	—	↓			
Cyanide (335.1)	NaOH	C505401K			
Metals (TAL)	HNO_3	↓			

COC # 15

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

☒ Surface Water
☐ Water QA/QC Blank Sample
- ☐ Trip Blank
- ☐ Rinsate Blank
- ☐ Field Blank
- ☐ Ambient Condition Blank

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name S7SW-05 Sample Source or Location SWMU-7

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color / Turbidity	Elect. Conduct.(mS/cm)	Salinity
7.85	29.5	5.03	Brown / 4	4.24	0.19

Sample Date and Time: 10-1-96 1540

Sampled By (Print): Alford Barnett

Sampled By (Signatures):

Observations/Notes:

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
SVOC (8270)	—		GEL	10-2-96/1450	1914373230
Pest/PCB (8080)	—				
Herb. (8150)	—				
Cyanide (335.)	NaOH				
Metals (TAL)	HNO_3				

COC # 15

Brown & Root Environmental

SAMPLE LOG SHEET

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name NAS Key West

Project Site Number 7046

B&RE Sample Name S7SW-06

Sample Source or Location SWMU-7 Pond south of Bldg. A-824

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color/Turbidity	Elect. Conduct.(mS/cm)	Salinity
7.05	28.2	0.57	Brown/26	3.93	0.20

Sample Date and Time:	Observations/Notes:
10-1-96 1340	
Sampled By (Print): Alford Barnett	
Sampled By (Signatures):	

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
SVOC (8270)	—		GEL	10-2-96/1450	1914373230
Pest/PCB (8080)	—				
Herb. (8150)	—				
Cyanide (335.1)	NaOH				
Metals (TAL)	HNO_3				

COC # 15

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

☒ Surface Water
☐ Water QA/QC Blank Sample
- ☐ Trip Blank
- ☐ Rinsate Blank
- ☐ Field Blank
- ☐ Ambient Condition Blank

Project Site Name NAS Key West
Project Site Number 7046
B&RE Sample Name S7SW-07
Sample Source or Location SWMU-7 Southwest Bldg. A-804

Surface Water Data

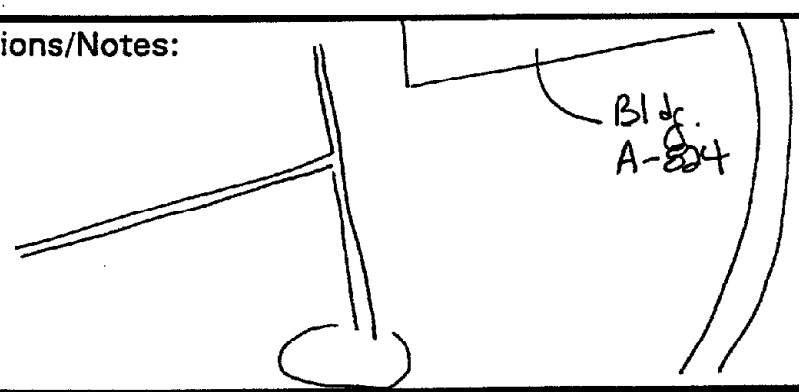
pH	Temp. (°C)	Dissolv. O_2	Color	Turb	Elect. Conduct.(mS/cm)	Salinity
7.50	29.2	1.35	Brown	2	3.63	0.18

Sample Date and Time: 10-1-96 1400

Sampled By (Print): Alford Barnett

Sampled By (Signatures):

Observations/Notes:



Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
SVOC (8270)	—		GEL	10-2-96/1450	1914373230
Pest/PCB (8080)	—				
Herb. (8150)	—				
Cyanide (335.1)	NaOH				
Metals (TAL)	HNO_3				

COC # 15

Brown & Root Environmental

SAMPLE LOG SHEET

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name NAS Key West

Project Site Number 7046

B&RE Sample Name S7SW-08

Sample Source or Location SWMU-7

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color / Turbidity	Elect. Conduct.(mS/cm)	Salinity
7.82	28.3	2.72	Brown 15	3.52	0.17

nple Date and Time: 10-1-96 1405

Sampled By (Print): Alford Barnett

Sampled By (Signatures):

Observations/Notes:

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
SVOC (8270)			GEL	10-2-96/1450	1914373230
Pest/PCB (8080)					
Herb. (8150)					
Cyanide (335.1)					
Metals (TAL)					

COC # 15

SWMU 7

GROUNDWATER SAMPLES

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By TOM NICOTERA

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: S7 MW-1
Source Location: SWMU NO 7.

Total Well Depth:	14.20'
Well Stickup:	2'9"
Well Casing Size:	2"
Static Water Level:	4.20'
One Casing Volume:	1.63
Start Purge (hrs.):	11:00
End Purge (hrs.):	11:55
Total Purge Time (min.):	55 min.
Total Amount Purged (gal.):	4.89
Monitoring Reading:	0ppm / 11:00
Purge Method:	PERASTALTIC
Sample Method:	PERASTALTIC
Depth Sampled:	5'
Sample Date & Time:	10-1-96 12:00
Sampled By:	TOM NICOTERA
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	7.18	2.96	28.9	clear / 2	163
2 gal.	7.54	3.24	28.3	clear / 1	189
3 gal.	7.54	3.42	28.6	clear / 1	183
4 gal.	7.60	3.50	28.6	clear / 1	1.75
4.89 gal.	7.52	3.53	28.9	clear / 1	1.72

Sample Data

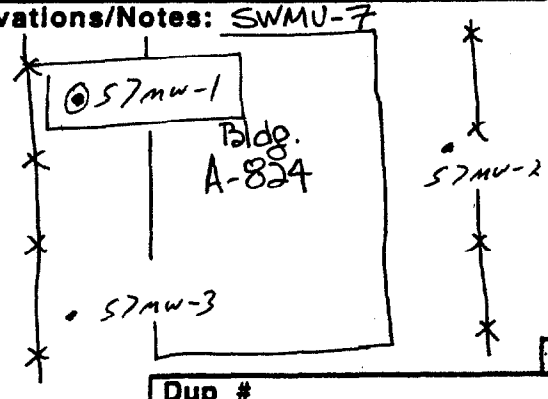
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.53	3.52	28.8	clear / 1	1.73

Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
8080 (Pest/PCB)	—
8150 (Herb.)	—
TAL (Metals)	HNO3
335.1 (Cyanide)	NAOH

Observations/Notes: SWMU-7



SAL.
0.14
0.16
0.17
0.14
0.14
SAMPLE 0.14

Dup #
MSMSD ☐

Air Bill # 1914373241
Date Shipped 10-1-96
Time Shipped 1800
Lab: GEL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By Scott Flicking

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: S7MW-2
Source Location: SWMU-7

Total Well Depth:	15.30'
Well Stickup:	
Well Casing Size:	2"
Static Water Level:	4.75'
One Casing Volume:	1.7 gal
Start Purge (hrs.):	1400
End Purge (hrs.):	1515
Total Purge Time (min.):	75
Total Amount Purged (gal.):	5.5 gal
Monitoring Reading:	Ø ppm 1350 1405, 1510
Purge Method:	Peristaltic
Sample Method:	Peristaltic
Depth Sampled:	6'
Sample Data & Time:	10-01-96 1515
Sampled By:	Scott Flickinger
Signature(s):	

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal	7.15	0.46	28.4	cloudy white / 40	2.30
2 gal	7.28	0.41	28.1	cloudy / 27	1.91
3 gal	7.25	0.40	27.7	cloudy / 124	1.84
4 gal	7.25	0.40	27.2	cloudy / 30	1.60
5 gal	7.17	0.39	27.3	cloudy / 30	1.63
5.5 gal	7.20	0.41	27.3	cloudy / 30	2.03

Sample Data

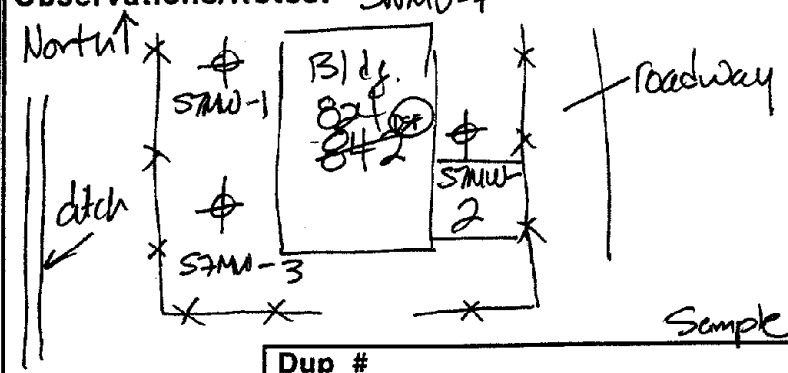
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.19	0.40	27.3	clear / 25	2.05

Type of Sample

☐ Low Concentration
☐ High Concentration
☒ Grab
☐ Composite
☐ Grab - Composite

Analysis: (DSF)	Preservative:
Metals & TAL	HNO_3
PCB/Pest 8080	—
Herb/Organo 8150	—
Cyanide 3351	NaOH

Observations/Notes: SWMU-7



Salinity
1. 0.01
2. 0.01
3. 0.01
4. 0.01
5. 0.01
5.5 0.01
Sample 0.01

Dup #
MSMSD ☐

Air Bill # 1914373241
Date Shipped 10-1-96
Time Shipped 1800
Lab GEL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By TOM NICOTERA

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: 57MW-3
Source Location: SWMU NO 7.

Total Well Depth:	14.15'
Well Stickup:	
Well Casing Size:	2"
Static Water Level:	6.20'
One Casing Volume:	1.30 gal.
Start Purge (hrs.):	13:25
End Purge (hrs.):	14:15
Total Purge Time (min.):	50 min.
Total Amount Purged (gal.):	3.89
Monitoring Reading:	0 ppm / 13:25
Purge Method:	PERASTALTIC
Sample Method:	PERASTALTIC
Depth Sampled:	7'
Sample Date & Time:	10-1-96 14:20
Sampled By:	TOM NICOTERA
Signature(s):	Tom Nicotera

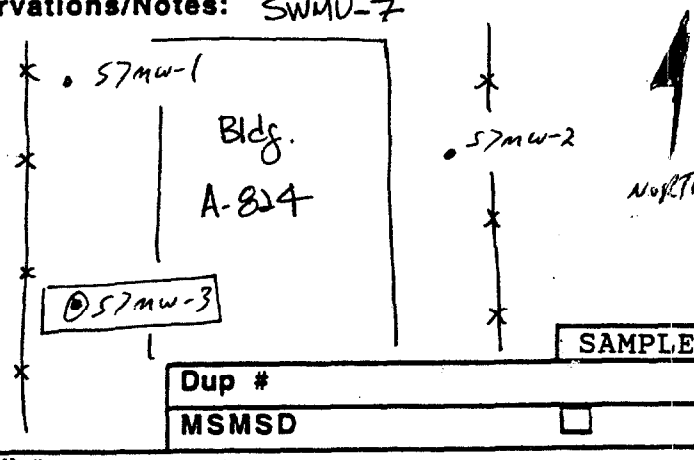
Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	7.61	3.12	28.2	clear / 34	1.98
2 gal.	7.65	3.47	28.2	clear / 23	2.19
3 gal.	7.67	3.62	28.5	clear / 15	2.01
3.89 gal.	7.65	3.72	28.4	clear / 17	2.05

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.63	3.73	28.5	clear / 17	2.02

Observations/Notes: SWMU-7



SAL.
0.12
0.17
0.18
0.15
SAMPLE 0.18

Type of Sample
- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
8080 (Pest/PCB)	—
8150 (Herb.)	—
335.1 (Cyanide)	NAOH
TAL. (Metals)	HNO3

Dup #
MSMSD ☐

Air Bill # 1914373241
Date Shipped 10-1-96
Time Shipped 1800
Lab GEL.
Other

IR 1

SEDIMENT SAMPLES

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

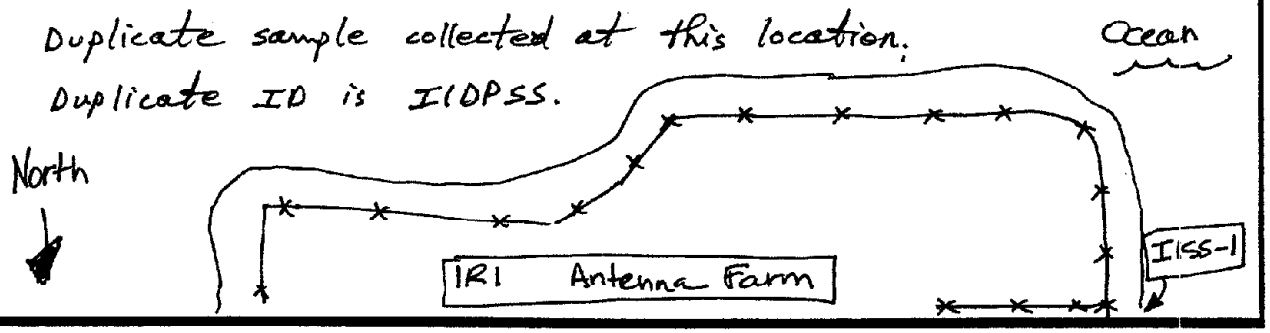
Project Site Name IR-1 Project Site Number 7046

B&RE Sample Name I1SS-1 Sample Source or Location Intertidal zone approx. 1 ft seaward of shoreline in approx. 4" of water.

Sample Method: stainless steel trowel	Sample Date and Time: 9/17/96 – 08:40
Sample Depth: surface (seafloor)	Color: Grey to tan
Sampled By (Print): Tom Nicotera	Sample Description: Fine to coarse sand w/ abundant pebbles & cobbles
Sampled By (Signatures): Tom Nicotera	FID Reading of Sample (if appropriate):
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☒ Grab (DSP)

Observations/Notes:

Duplicate sample collected at this location.
Duplicate ID is I1DPSS.



Analyses

Analysis	Bottle Lot #
SVOC (610)	H531001K
Pest/PCB (8080)	↓
Herb (8150)	↓
Cyanide (335.1)	C505401K
Metals (TAL)	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	9-17-96/1745	1914373300

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name I1DPSS Sample Source or Location IR-1

1ft seaward of shoreline

Sample Method: stainless steel travel	Sample Date and Time: 9/17/96 - 0840
Sample Depth: 4" of water	Color: Grey to tan
Sampled By (Print): Tom Nicotera	Sample Description: Fine to course sand w/ abundant pebbles & cobbles
Sampled By (Signatures):	FID Reading of Sample (if appropriate):
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☒ Grab

Observations/Notes:

Duplicate sample of I1SS-1

See I1SS-1 Sample Log Sheet Map.

Analyses

Analysis	Bottle Lot #
SVOC (610)	H53100K
Pest/PCB (8080)	↓
Herb (8150)	↓
Cyanide (335.1)	C50540K
Metals (TAL)	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	9-17-96/1745	9114373300

Brown & Root Environmental

SAMPLE LOG SHEET

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: IR-1

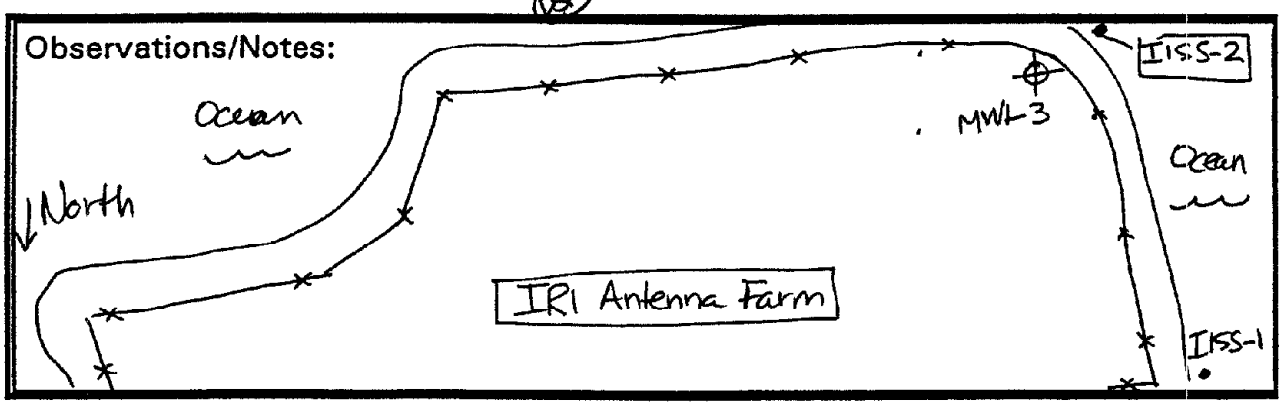
Project Site Number: 7046

B&RE Sample Name: IISS-2

Sample Source or Location: subtidal zone approx. 20 ft offshore in water approx. 6ft depth

Sample Method: stainless steel bowl	Sample Date and Time: 09/17/96 – 1430
Sample Depth: surface (seafloor)	Color: Grey
Sampled By (Print): Paul Calligan	Sample Description: very fine to medium sand, silty
Sampled By (Signatures): Paul E. Calligan	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
SVOC (610)	H531001K
Pest/PCB (8080)	↓
Herb (8150)	↓
Cyanide (335.1)	C505401K
Metals (TAL)	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	9-17-96/1745	1914373300

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

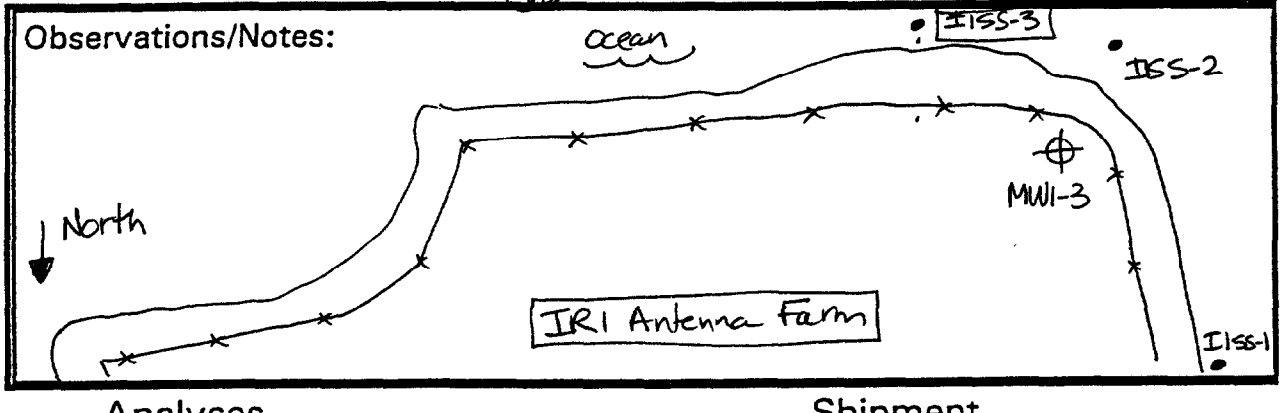
- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name IR-1 Project Site Number 7046

B&RE Sample Name IISS-3 Sample Source or Location subtidal zone approx. 20ft offshore in water approx. 7ft in depth.

Sample Method: stainless steel bowl	Sample Date and Time: 09/17/96 – 1450
Sample Depth: surface (seafloor)	Color: Grey
Sampled By (Print): Paul Calligan	Sample Description: very fine to medium sand, silty
Sampled By (Signatures): Paul E. Calligan	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
SVOC (610)	H531001K
Pest/PCB (8080)	↓
Herb (8150)	↓
Cyanide (335.1)	C505401K
Metals (TAL)	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	9-17-96/1745	1914373300

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

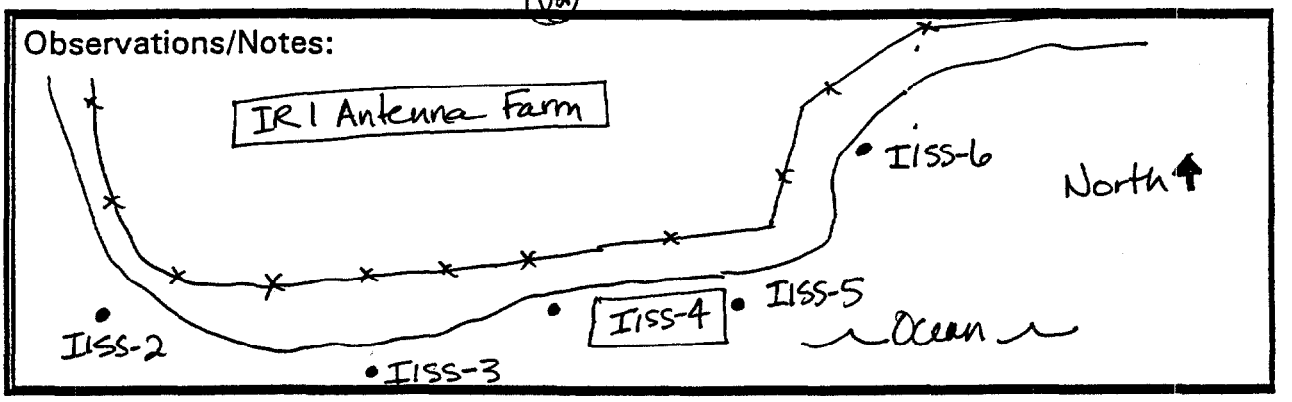
- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name IR-1 Project Site Number 7046

B&RE Sample Name IISS-4 Sample Source or Location subtidal zone, approx. 15 ft. offshore in water approx. 5 ft in depth.

Sample Method: stainless steel bowl	Sample Date and Time: 09/17/96 – 1640
Sample Depth: surface (seafloor)	Color: Grey
Sampled By (Print): Paul Calligan	Sample Description: very fine to med gr. sand, silty.
Sampled By (Signatures): Paul E. Calligan	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☐ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
SVOC (610)	HS31001K
Pest/PCB (8080)	↓
Herb (8150)	↓
Cyanide (335.1)	C505401K
Metals (TAL)	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	09-17-96 1745	1914373300

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

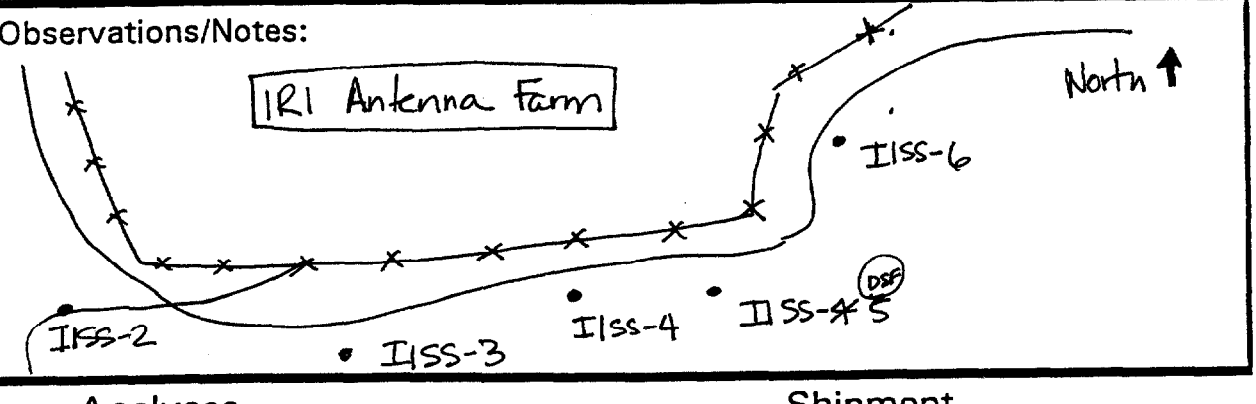
- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name IR-1 Project Site Number 7046

B&RE Sample Name IISS-5 Sample Source or Location subtidal zone approx. 25 ft offshore in water approx. 8ft in depth.

Sample Method: stainless steel bowl	Sample Date and Time: 09/17/96 – 1515
Sample Depth: surface (seafloor)	Color: Grey
Sampled By (Print): Paul Calligan	Sample Description: very fine to med gr. sand, silty
Sampled By (Signatures): Paul E. Calligan	FID Reading of Sample (if appropriate):
Concentration of Sample: ☐ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☒ Grab DSF

Observations/Notes:



Analyses

Analysis	Bottle Lot #
SVOC (610)	H531001K
Pest/PCB (8080)	↓
Herb (8150)	
Cyanide (335.1)	C505401K
Metals (TAL)	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	9/17/96 1745	1914373300

Brown & Root Environmental

SAMPLE LOG SHEET

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: IR-1

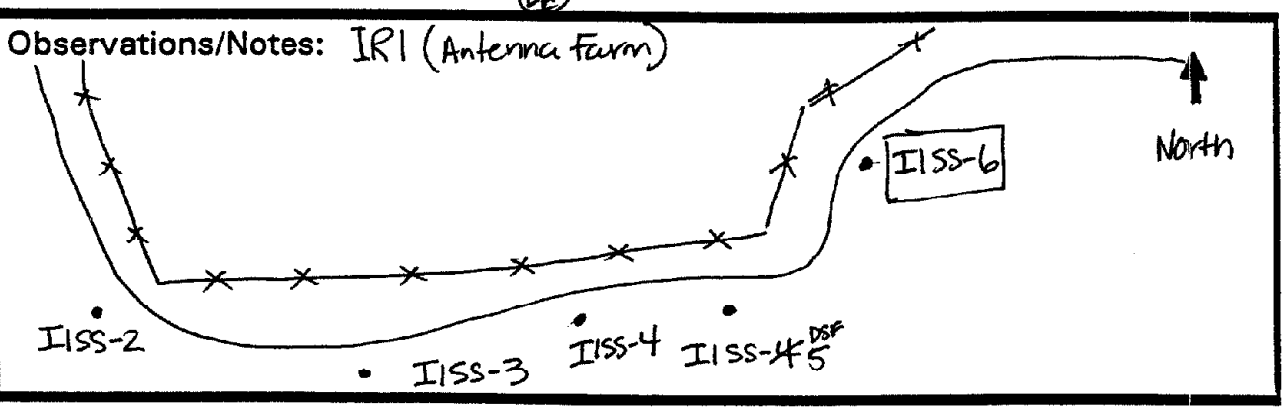
Project Site Number: 7046

B&RE Sample Name: I1SS-6

Sample Source or Location: Intertidal zone approx 1 ft seaward of shoreline in approx 3" of water

Sample Method: stainless steel Trowel	Sample Date and Time: 9/17/96 – 0940
Sample Depth: surface (seafloor)	Color: Brown
Sampled By (Print): Tom Nicotera	Sample Description: very fine to coarse sand, some silt
Sampled By (Signatures): Tom Nicotera	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☐ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☐ Grab (DSF)

Observations/Notes: IR1 (Antenna Farm)



Analyses

Analysis	Bottle Lot #
SVOC (610)	H531001K
Pest/PCB (8080)	↓
Herb (8150)	↓
Cyanide (335.1)	C505401K
Metals (TAL)	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	09-17-96 1745	1914373300

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: IR-1

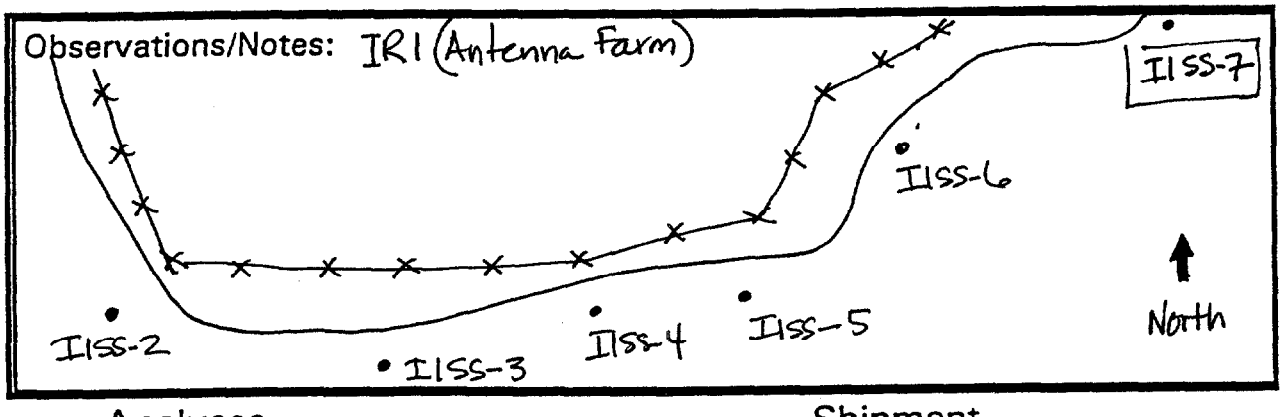
Project Site Number: 7046

B&RE Sample Name: I1SS-7

Sample Source or Location: Intertidal zone approx 5' ~~from~~ seaward of shore line in approximately 18" of water.

Sample Method: stainless steel trowel	Sample Date and Time: 9/17/96 - 10:00
Sample Depth: surface (seafloor)	Color: Grey
Sampled By (Print): Tom Nicotera	Sample Description: very fine to fine sand, some silt
Sampled By (Signatures): Tom Nicotera	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☐ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes: IR1 (Antenna Farm)



Analyses

Analysis	Bottle Lot #
SVOC (610)	H531001K
Pest/PCB (8080)	↓
Herb (8150)	↓
Cyanide (335.1)	C505401K
Metals (TAL)	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	09-17-96 1745	1914373300

IR 1

GROUNDWATER SAMPLES

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By TOM NICOTERA

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I1 KWM-01
Source Location: IR No. 1.

Total Well Depth:	18.00'
Well Stickup:	Flush
Well Casing Size:	2"
Static Water Level:	7.80'
One Casing Volume:	1.66 gal.
Start Purge (hrs.):	15:35
End Purge (hrs.):	16:25
Total Purge Time (min.):	50
Total Amount Purged (gal.):	4.99
Monitoring Reading:	0ppm / 15:35
Purge Method:	PERASTALTIC
Sample Method:	PERASTALTIC
Depth Sampled:	8'
Sample Date & Time:	9-13-96 16:30
Sampled By:	Tom Nicotera
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	7.60	27.1	29.2	clear / 3	8.32
2 gal.	7.58	27.3	29.1	clear / 3	8.31
3 gal.	7.61	27.1	28.6	clear / 0	1.61
4 gal.	7.55	26.7	28.8	clear / 0	1.24
5 gal.	7.56	26.6	28.7	clear / 0	1.25

Sample Data

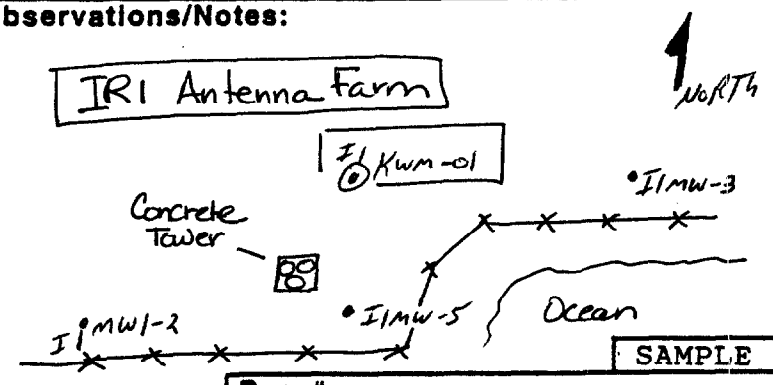
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.55	26.6	28.7°	clear / 0	1.24

Type of Sample

☐ Low Concentration
☐ High Concentration
☑ Grab
☐ Composite
☐ Grab - Composite

Analysis:	Preservative:
8080 (Pest/PCB)	—
8150 (Herb)	—
335.1 (Cyanide)	NaOH
TAL 200.7 (Metals)	HNO3

Observations/Notes:



SAL.
1.67
1.66
1.68
1.65
1.64
SAMPLE 1.64

Dup # _____
MSMSD ☐

Air Bill # 7455334342
Date Shipped 9-14-96
Time Shipped 1300
Lab GeL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By TOM NICOTRA

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I1KWM-02
Source Location: IR No. 1

Total Well Depth:	18.15'
Well Stickup:	Flush
Well Casing Size:	2"
Static Water Level:	7.35'
One Casing Volume:	1.76 gal.
Start Purge (hrs.):	14:15
End Purge (hrs.):	15:00
Total Purge Time (min.):	45
Total Amount Purged (gal.):	5.28
Monitoring Reading:	0 ppm / 1400
Purge Method:	PERASTALTIC
Sample Method:	PERASTALTIC
Depth Sampled:	8'
Sample Date & Time:	9-13-96 15:10
Sampled By:	TOM NICOTRA
Signature(s):	Tom Nicotra

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	7.33	29.8	29.9	clear / 3	0.99
2 gal.	7.32	26.1	29.7	clear / 2	0.98
3 gal.	7.40	26.1	29.7	clear / 1	0.67
4 gal.	7.34	26.2	29.8	clear / 1	1.02
5 gal.	7.34	25.8	29.8	clear / 1	0.98

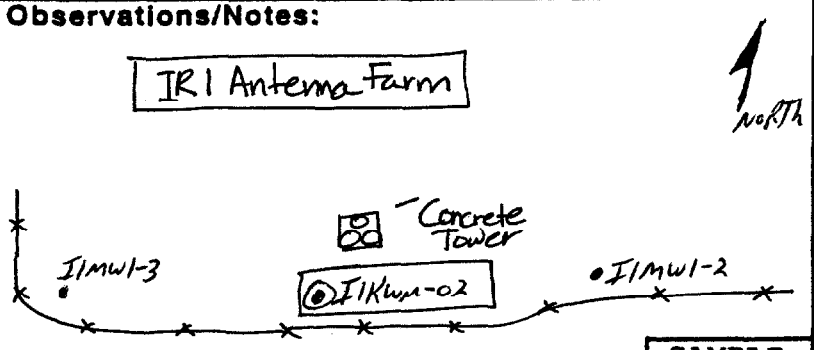
Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.32	25.7	29.7°	clear / 1	0.98

Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Observations/Notes:



SAL.
1.74
1.75
1.60
1.52
1.51
SAMPLE 1.51

Analysis:	Preservative:
8080 (Pest/PCB)	—
8150 (Herb)	—
335.1 (Cyanide)	NaOH
TAL 200.7 (Metal)	HNO3
(DSF)	

Dup #
MSMSD ☐

Air Bill # ~~7455334331~~ (DSF) 7455334331
Date Shipped 9-13-96
Time Shipped 1745
Lab: Gel
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By Scott Flickinger

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I1KMW-03
Source Location: IR1

Total Well Depth:	17.80'
Well Stickup:	0
Well Casing Size:	2"
Static Water Level:	6.35'
One Casing Volume:	1.9 gal
Start Purge (hrs.):	1140
End Purge (hrs.):	1310
Total Purge Time (min.):	90
Total Amount Purged (gal.):	7 gal
Monitoring Reading:	1130 Ø ppm 1140 Ø ppm
Purge Method:	Peristaltic
Sample Method:	Peristaltic
Depth Sampled:	8'
Sample Data & Time:	09-12-96 1315
Sampled By:	Scott Flickinger
Signature(s):	Scott Flickinger

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal	6.98	6.33↑↓	29.2	yellow / 220	1.65
2 gal	6.97	6.39↑	28.3	yellow / 65	1.64
3 gal	6.92	6.41↑	28.1	yellow / 19	1.30
4 gal	6.95	6.39↑	28.2	clear / 15	1.05
5 gal	7.01	6.40↑↓	28.1	clear / 10	1.27
6 gal	7.05	6.40↑↓	28.0	clear / 7	1.36
7 gal	7.02	6.34↑	27.8	clear / 6	1.31

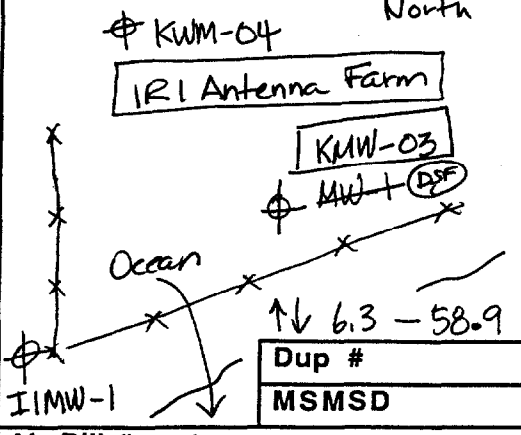
Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity (DSF)	D.O.
7.05	6.36↑↓	27.8	clear / 3/2	1.32

Type of Sample
- ☐ Low Concentration
- ☐ High Concentration
- ☐ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
Metals	HNO_3
PCB/Pest	—
Herb/Organo	—
Cyanide	NaOH

Observations/Notes:



↑↓ 6.3 – 58.9

Salinity	Sample Salinity
1. 0.33% ↑	0.34% ↑
2. 0.34% ↑	
3. 0.34% ↑	
4. 0.34% ↑	
5. 0.34% ↑	
6. 0.34% ↑	
7. 0.34% ↑	

↑ 0.34% – 1.16%

Dup #	
MSMSD	☐
Air Bill #	7455334320
Date Shipped	9-12-96
Time Shipped	1800
Lab	GEL
Other	

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By Tom Nicotera

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: IIMW-1
Source Location: IR No. 1

Total Well Depth:	17.40'
Well Stickup:	2.5'
Well Casing Size:	2"
Static Water Level:	9.29'
One Casing Volume:	1.32 gal.
Start Purge (hrs.):	16:08
End Purge (hrs.):	17:01
Total Purge Time (min.):	53
Total Amount Purged (gal.):	3.97
Monitoring Reading:	0 ppm / 16:08
Purge Method:	Peristaltic
Sample Method:	Peristaltic
Depth Sampled:	10'
Sample Date & Time:	9-12-96 17:15
Sampled By:	Tom Nicotera
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	7.24	3.25	30.4	clear / 1	3.11
2 gal.	7.28	3.16	30.2	clear / 0	8.62
3 gal.	7.26	3.18	30.0	clear / 0	8.51
3.97 gal.	7.25	3.18	31.0	clear / 0	8.60

Sample Data

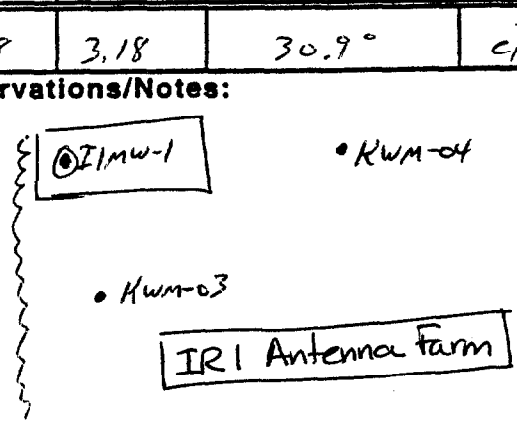
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.28	3.18	30.9°	clear / 0	8.59

Type of Sample

☐ Low Concentration
☐ High Concentration
☑ Grab
☐ Composite
☐ Grab - Composite

Analysis:	Preservative:
8080 (Pest/PCB)	—
8150 (Herb)	—
335.1 (Cyanide)	NaOH
TAL ~~200.7~~ (Metals)	HNO_3

Observations/Notes:



SAL.
0.16
0.15
0.16
0.16
SAMPLE 0.16

Dup # _____
MSMSD ☐

Air Bill # (DSF) ~~745534320~~ 745534331
Date Shipped (DSF) ~~9-12-96~~ 9-13-96
Time Shipped (DSF) ~~1800~~ 1745
Lab: Gel
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By Tom Nicotera

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I1MW-3
Source Location: IR No 1

Total Well Depth:	16.71'
Well Stickup:	2.5'
Well Casing Size:	2"
Static Water Level:	8.28'
One Casing Volume:	1.37 gal.
Start Purge (hrs.):	12:55
End Purge (hrs.):	13:54
Total Purge Time (min.):	59
Total Amount Purged (gal.):	4.12
Monitoring Reading:	0PPM/12:55
Purge Method:	Peristaltic
Sample Method:	Peristaltic
Depth Sampled:	9'
Sample Date & Time:	9-12-96 14:00
Sampled By:	Tom Nicotera
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	7.37	18.8	29.6	clear / 11	8.46
2 gal.	7.40	18.8	29.3	clear / 5	1.92
3 gal.	7.43	18.8	29.2	clear / 4	2.17
4 gal.	7.46	18.7	29.2	clear / 1	2.61

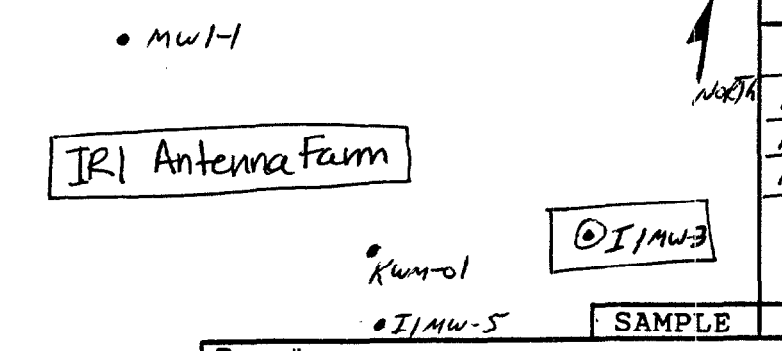
Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.44	18.7	29.2°	clear / 1	2.43

Type of Sample
- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
8080 (Pest/PCB)	—
8150 (Herb)	—
335.1 (Cyanide)	NaOH
TAL 200.7 (Metal)	HNO3

Observations/Notes:



SAL.
1.12
1.12
1.12
1.11
SAMPLE 1.11

Dup #
MSMSD ☐

Air Bill # 7455334320
Date Shipped 9-12-96
Time Shipped 1800
Lab: Gel
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By Scott Flickinger

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I1MW-5
Source Location: IR1

Total Well Depth:	19.0
Well Stickup:	
Well Casing Size:	2"
Static Water Level:	10.0
One Casing Volume:	1.5 gal
Start Purge (hrs.):	1010
End Purge (hrs.):	1115
Total Purge Time (min.):	65
Total Amount Purged (gal.):	5 gal
Monitoring Reading:	Ø ppm 1000 Ø ppm 1010/1020; 50-70 ppm @ well head 1005
Purge Method:	Peristaltic
Sample Method:	Peristaltic
Depth Sampled:	12'
Sample Data & Time:	09-13-96 1115
Sampled By:	Scott Flickinger
Signature(s):	D Scott Flickinger

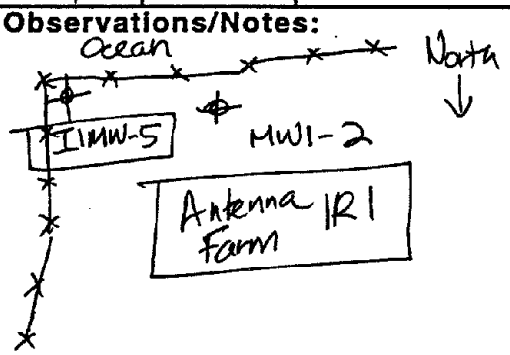
Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal	7.29	14.3	28.5	clear / 14	1.24
2 gal	7.32	14.4	28.6	clear / 6	1.13
3 gal	7.26	13.7	28.4	clear / 1	1.15
4 gal	~~7.12~~ 7.30	13.9	28.5	clear / 0	1.00
~~4.5 gal~~ (DSF)					
5 gal	7.34	13.7	28.8	clear / 0	0.67

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.34	11.8	29.8	clear / 0	~~1.30~~ 1.30 (DSF)

Observations/Notes:



Salinity
1. 0.83%
2. 0.84%
3. 0.80%
4. 0.80%
5. 0.79%

Sample Salinity: 0.67%

Type of Sample

☐ Low Concentration
☐ High Concentration
☒ Grab
☐ Composite
☐ Grab - Composite

Analysis:	Preservative:
Metals	HNO_3
PCB/Pest	—
Herb/Organo	—
Cyanide	NaOH

Dup #
MSMSD ☐

Air Bill # ~~7455334~~ (DSF) 7455334331
Date Shipped 9-13-96
Time Shipped 1745
Lab GEL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By S. Flickinger

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I1MW-~~7~~6 (DSF)
Source Location: IR1

Total Well Depth:	20.75
Well Stickup:	
Well Casing Size:	2"
Static Water Level:	13.10
One Casing Volume:	1.25 gal
Start Purge (hrs.):	1500
End Purge (hrs.):	1550
Total Purge Time (min.):	50
Total Amount Purged (gal.):	4 gal
Monitoring Reading:	0ppm 1450 0ppm 1505
Purge Method:	Peristaltic
Sample Method:	Peristaltic
Depth Sampled:	15
Sample Data & Time:	09-12-96 1555
Sampled By:	Scott Flickinger
Signature(s):	

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal	7.52	3.05	28.8	Clear / 9	1.20
2 gal	7.35	2.83	28.2	clear / 10	1.08
3 gal	7.36	2.78	28.1	clear / 6	1.01
4 gal	7.17	2.71	28.0	Clear / 4	1.30

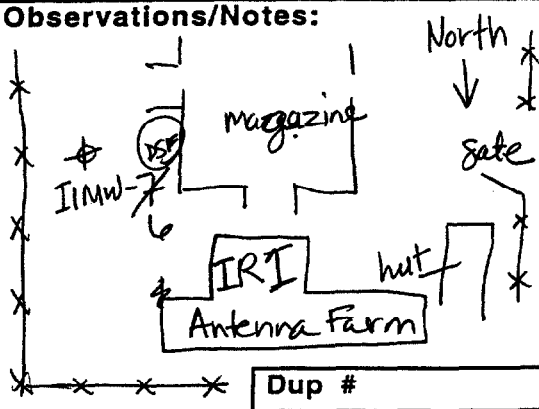
Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.35	2.72	27.9	clear / 2	0.91

Type of Sample
- ☐ Low Concentration
- ☐ High Concentration
- ☒ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
Metal (TAL)	HNO_3
PCB/Pest (8080)	—
Herb/Organo (8150)	—
Cyanide (335.1)	NaOH

Observations/Notes:



Salinity	Sample Salinity
1. 0.15%	0.13%
2. 0.13%	
3. 0.13%	
4. 0.13%	

Dup #
MSMSD ☐

Air Bill # 7455334320
Date Shipped 9-12-96
Time Shipped 1800
Lab GEL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By TOM NICOTERA

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I1 MW-7
Source Location: IR No. 1.

Total Well Depth:	17.61'
Well Stickup:	Flush
Well Casing Size:	2"
Static Water Level:	7.85'
One Casing Volume:	1.59 gal.
Start Purge (hrs.):	09:33
End Purge (hrs.):	10:34
Total Purge Time (min.):	61
Total Amount Purged (gal.):	4.77
Monitoring Reading:	0 ppm / 09:33
Purge Method:	PERASTALTIC
Sample Method:	PERASTALTIC
Depth Sampled:	8'
Sample Date & Time:	9-16-96 10:40
Sampled By:	TOM NICOTERA
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	6.97	1.23	27.4	clear / 115	8.10
2 gal.	7.09	1.13	27.5	clear / 116	8.76
3 gal.	7.14	1.12	27.5	clear / 33	2.43
4 gal.	7.12	1.13	28.0	clear / 13	2.50
4.77 gal.	7.14	1.14	28.0	clear / 5	2.29

Sample Data

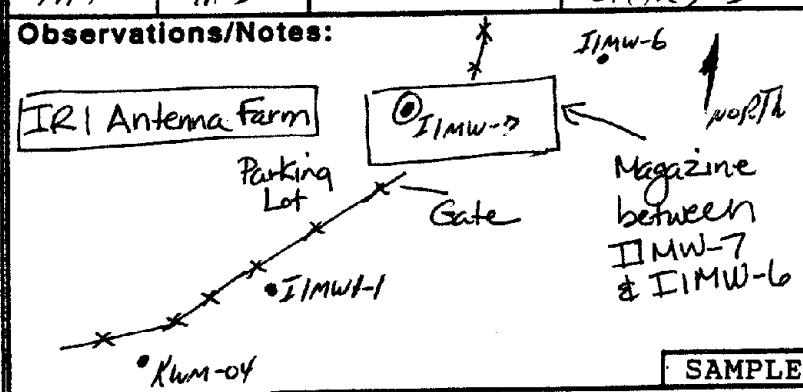
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.14	1.13	28.0°	clear / 5	2.30

Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
8080 (Pest/PCB)	—
8150 (Herb)	—
335.1 (Cyanide)	NaOH
~~IPA 200.7~~ (Metals)	HNO3
(DSF)	

Observations/Notes:



SAL.
0.05
0.05
0.05
0.05
0.05
SAMPLE 0.05

Dup # I1 MW-7
MSMSD ☒

Air Bill # 1914373322
Date Shipped 9-16-96
Time Shipped 1700
Lab GeL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By Tom Nicotera

Project Site Name NAS Key West
Project Site Number 7046
B&RE Sample ID I1DPGW-2 (Duplicate) I1MW-7
Source Location IR1

Total Well Depth:	Refer to I1MW-7
Well Stickup:	
Well Casing Size:	
Static Water Level:	
One Casing Volume:	
Start Purge (hrs.):	
End Purge (hrs.):	
Total Purge Time (min.):	
Total Amount Purged (gal.):	
Monitoring Reading:	
Purge Method:	
Sample Method:	
Depth Sampled:	
Sample Data & Time:	9-16-96 1040
Sampled By:	Tom Nicotera
Signature(s):	

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
	Refer	to I1	MW-7		

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.14	1.13	28.0	clear/5	2.30
			salinity	0.05

Observations/Notes:
Duplicate of I1MW-7
See map on I1MW-7

Type of Sample
- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
Metals (TAL)	HNO_3
Pest/PCB (8080)	—
Herb. (8150)	—
Cyanide (335.1)	NaOH

Dup #
MSMSD ☐

Air Bill # 1914373322
Date Shipped 9-16-96
Time Shipped 1700
Lab GEL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By Tom Nicotera

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: IR MW1-1
Source Location: IR No. 1

Total Well Depth:	19.15
Well Stickup:	3'
Well Casing Size:	2"
Static Water Level:	9.98'
One Casing Volume:	1.49 gal.
Start Purge (hrs.):	10:50
End Purge (hrs.):	11:50
Total Purge Time (min.):	60
Total Amount Purged (gal.):	4.48
Monitoring Reading:	0ppm / 10150
Purge Method:	peristaltic
Sample Method:	peristaltic
Depth Sampled:	11'
Sample Date & Time:	9-12-96 12:00
Sampled By:	Tom Nicotera
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	6.76	3.86	30.8°	cloudy / 114	8.90
2 gal.	7.03	3.82	30.7°	clear / 19	9.84
3 gal.	7.03	3.84	30.3°	clear / 22	9.62
4 gal.	7.06	3.84	30.4°	clear / 22	9.63

Sample Data

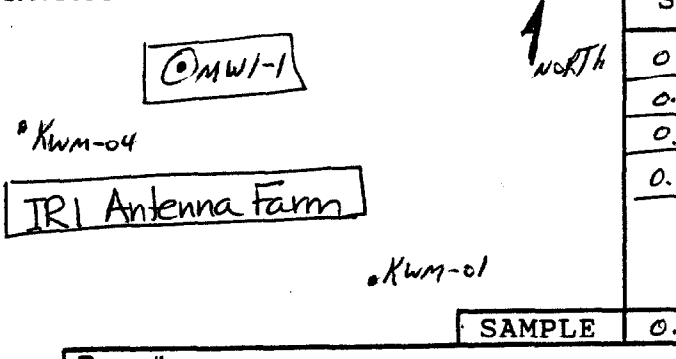
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.07	3.80	30.2°	clear / 21	4.21

Type of Sample

☐ Low Concentration
☐ High Concentration
☑ Grab
☐ Composite
☐ Grab - Composite

Analysis:	Preservative:
8080 (Pest/PCB)	—
8150 (Herb)	—
335.1 (Cyanide)	NaOH
TAL 20 ~~0.5~~ (Metals)	HNO_3
ESP	

Observations/Notes:



SAL.
0.19
0.19
0.19
0.19
SAMPLE 0.19

Dup # _____
MSMSD ☐

Air Bill # 7455334320
Date Shipped 9-12-96
Time Shipped 1800
Lab: Gel
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By Tom Nicotera

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I1MW1-2
Source Location: IR No. 1.

Total Well Depth:	19.15'
Well Stickup:	1'
Well Casing Size:	2"
Static Water Level:	8.37'
One Casing Volume:	1.76 gal.
Start Purge (hrs.):	09:43
End Purge (hrs.):	10:50
Total Purge Time (min.):	67
Total Amount Purged (gal.):	5.27
Monitoring Reading:	0ppm / 09:43
Purge Method:	Peristaltic
Sample Method:	Peristaltic
Depth Sampled:	9'
Sample Date & Time:	9-13-96 11:00
Sampled By:	Tom Nicotera
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	6.97	22.8	31.6	clear / 3	3.01
2 gal.	7.40	22.3	31.2	clear / 1	2.96
3 gal.	7.43	22.3	31.0	clear / 0	3.96
4 gal.	7.39	22.5	31.0	clear / 2	3.31
5 gal.	7.38	22.3	31.2	clear / 1	3.14

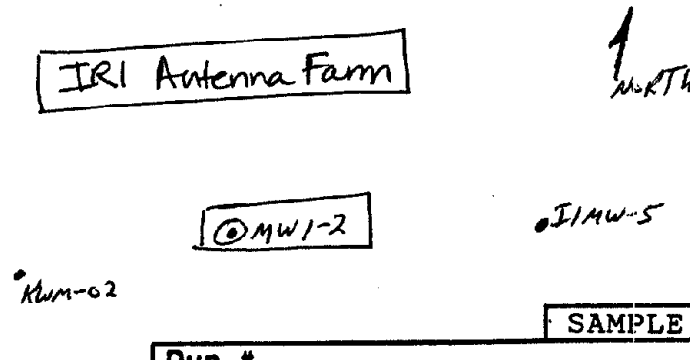
Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.38	22.4	31.1°	clear / 0	3.20

Type of Sample:
- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
8080 (Pest/PCB)	—
8150 (Herb)	—
335.1 (Cyanide)	NaOH
~~TAL 200.7~~ (Metals)	HNO3
(DCE)	

Observations/Notes:



SAL.
1.37
1.35
1.35
1.36
1.35
SAMPLE 1.35

Dup # _____
MSMSD ☐

Air Bill # 745334331
Date Shipped 9-13-96
Time Shipped 1745
Lab GEL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By Tom Nicotera

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I1MW1-3
Source Location: IR No. 1.

Total Well Depth:	16.77'
Well Stickup:	3'
Well Casing Size:	2"
Static Water Level:	9.61'
One Casing Volume:	1.17 gal.
Start Purge (hrs.):	12:00
End Purge (hrs.):	12:45
Total Purge Time (min.):	45
Total Amount Purged (gal.):	3.50
Monitoring Reading:	0ppm / 12:00
Purge Method:	PERASTALTIC
Sample Method:	PERASTALTIC
Depth Sampled:	10'
Sample Date & Time:	9-13-96 13:00
Sampled By:	Tom Nicotera
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	7.56	29.8	29.9	clear / 2	0.69
2 gal.	7.33	26.9	29.3	clear / 3	0.99
3 gal.	7.32	26.7	29.3	clear / 2	0.98

Sample Data

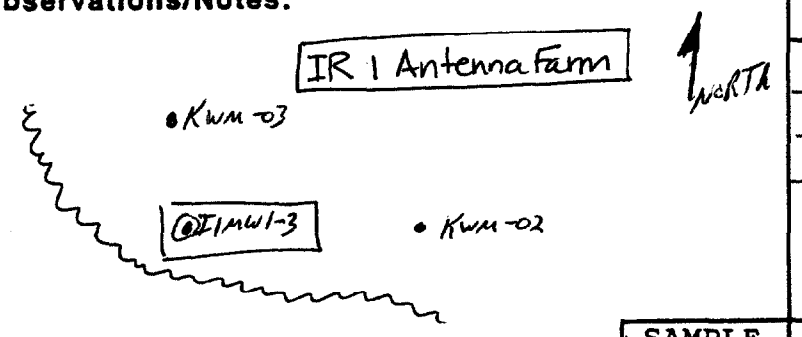
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.31	26.8	29.2°	clear / 2	0.98

Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
8080 (Pest/PCB)	—
8150 (Herb)	—
335.1 (Cyanide)	NaOH
TAL ~~200.7~~ (Metal)	HNO3
(DSF)	

Observations/Notes:



SAL.
1.88
1.64
1.63
SAMPLE 1.62

Dup # I1DPGW
MSMSD ☐

Air Bill # (DSF) ~~745334331~~ 7455334331
Date Shipped 9-13-96
Time Shipped 1745
Lab GeL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By Tom Nicotera

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I1DPGW (Duplicate) I1MW1-3
Source Location: IR1

Total Well Depth:	Refer to
Well Stickup:	I1MW1-3
Well Casing Size:	
Static Water Level:	
One Casing Volume:	
Start Purge (hrs.):	
End Purge (hrs.):	
Total Purge Time (min.):	
Total Amount Purged (gal.):	
Monitoring Reading:	
Purge Method:	
Sample Method:	
Depth Sampled:	
Sample Data & Time:	9-13-96 13:00
Sampled By:	Tom Nicotera
Signature(s):	

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
	Refer	to I1	MW1-3		

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.31	26.8	29.2	clear / 2	0.98

Salinity 1.62

Observations/Notes:

Duplicate of I1MW1-3
See map on I1MW1-3

Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
Metals (TAL)	HNO_3
Pest/PCB (8080)	—
Herb (8150)	—
Cyanide (335.1)	NaOH

Dup #
MSMSD ☐

Air Bill # ~~7455334~~ 7455334331
Date Shipped 9-13-96
Time Shipped 1745
Lab GEL
Other

IR 3

SOIL SAMPLES

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

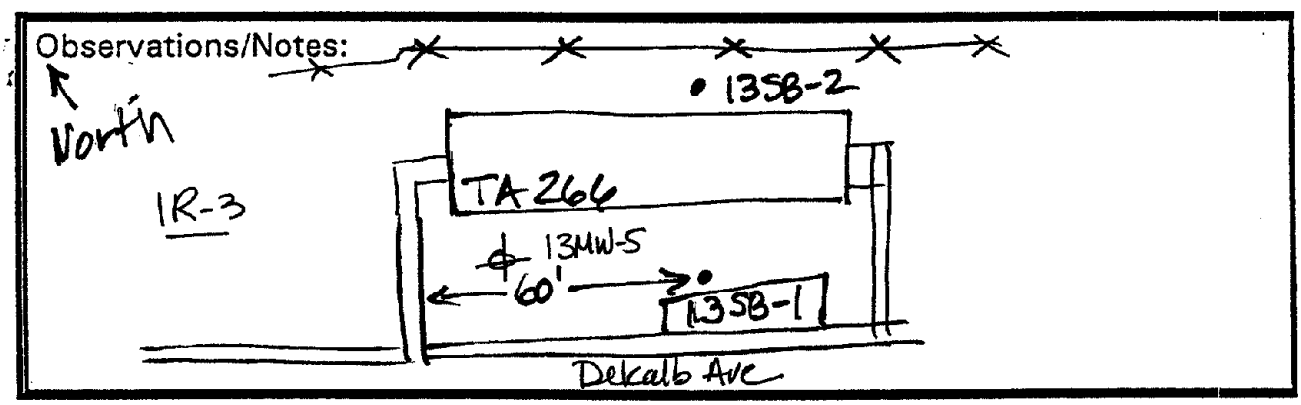
- [x] Surface Soil
- [ ] Subsurface Soil
- [ ] Sediment
- [ ] Other

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name 13SB-1 Sample Source or Location IR3

Sample Method: Stainless Auger	Sample Date and Time: 10-03-96 0825
Sample Depth: 0-1 ft	Color: Grey
Sampled By (Print): Scott Flickinger	Sample Description: fine sand w/ limestone pebbles
Sampled By (Signatures): [signature]	FID Reading of Sample (if appropriate): ~~0ppm~~ DSP
Concentration of Sample: [x] Low [ ] Medium [ ] High	Type of Sample: [x] Composite [ ] Grab Vertical

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals (TAL)	
Cyanide (335.1)	
PCB/Pest (8080)	
b (8150)	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-3-96/1700	1914373226

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

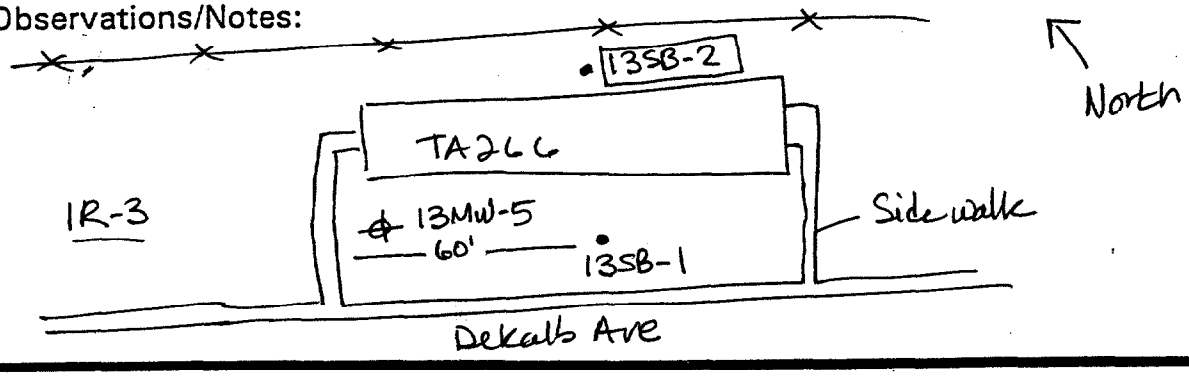
- [x] Surface Soil
- [ ] Subsurface Soil
- [ ] Sediment
- [ ] Other

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name 13SB-2 Sample Source or Location IR3

Sample Method: Auger	Sample Date and Time: 10-03-96 0855
Sample Depth: 0-1 ft	Color: Grey
Sampled By (Print): Scott Flickinger	Sample Description: medium sand
Sampled By (Signatures): [signature]	FID Reading of Sample (if appropriate): —
Concentration of Sample: [x] Low [ ] Medium [ ] High	Type of Sample: [x] Composite [ ] Grab Vertical

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals (TAL)	
Cyanide (335.1)	
PCB/Pest (8080)	
Herb. (8150)	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-3-96/1700	1914313226

IR 3

GROUNDWATER SAMPLES

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By TOM NICOTERA

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I3 MW-3
Source Location: IR No 3.

Total Well Depth:	12.35'
Well Stickup:	Flush
Well Casing Size:	2"
Static Water Level:	4.72'
One Casing Volume:	1.24
Start Purge (hrs.):	08:50
End Purge (hrs.):	09:30
Total Purge Time (min.):	40 min.
Total Amount Purged (gal.):	3.73
Monitoring Reading:	0/PM/08:38 0/PM/09:00
Purge Method:	PERISTALTIC
Sample Method:	PERISTALTIC
Depth Sampled:	5'
Sample Date & Time:	10-2-96 09:35
Sampled By:	TOM NICOTERA
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	7.11	10.6	27.6	clear / 10	1.71
2 gal.	7.23	10.9	27.7	clear / 12	1.80
3 gal.	7.13	10.9	27.7	clear / 10	1.67
3.73 gal.	7.20	11.3	28.1	clear / 10	1.70

Sample Data

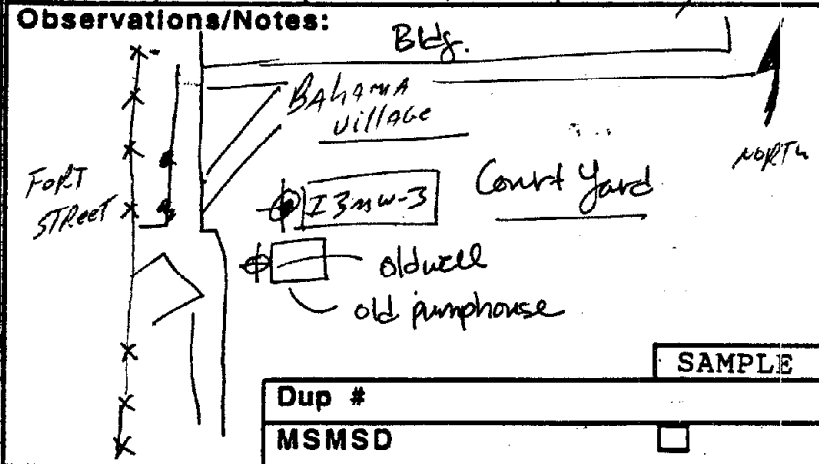
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.20	11.3	28.1	clear / 10	1.70

Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
(8080) Pest/PCB	—
(8150) Herb	—
(TAL) Metals	HNO3

Observations/Notes:



SAL.
0.60
0.61
0.62
0.64
SAMPLE 0.64

Dup # _____
MSMSD ☐

Air Bill # 1914373230
Date Shipped 10-2-96
Time Shipped 1450
Lab GeL.
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By TOM NICOTERA

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I3 MW-4
Source Location: IR3

Total Well Depth:	13.81'
Well Stickup:	Flush
Well Casing Size:	2"
Static Water Level:	4.33'
One Casing Volume:	1.55 gal.
Start Purge (hrs.):	09:15
End Purge (hrs.):	10:10
Total Purge Time (min.):	55
Total Amount Purged (gal.):	4.64
Monitoring Reading:	0 ppm / 09:15
Purge Method:	PERASTALTIC
Sample Method:	PERASTALTIC
Depth Sampled:	6'
Sample Date & Time:	09-28-96 10:20
Sampled By:	TOM NICOTERA
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	6.84	3.56	31.8	clear / 10	1.54
2 gal.	7.08	3.65	32.0	clear / 10	1.53
3 gal.	7.19	3.80	32.0	clear / 10	1.62
4 gal.	7.20	3.88	32.1	clear / 10	1.51
4.64 gal.	7.24	3.98	32.3	clear / 10	1.55

Sample Data

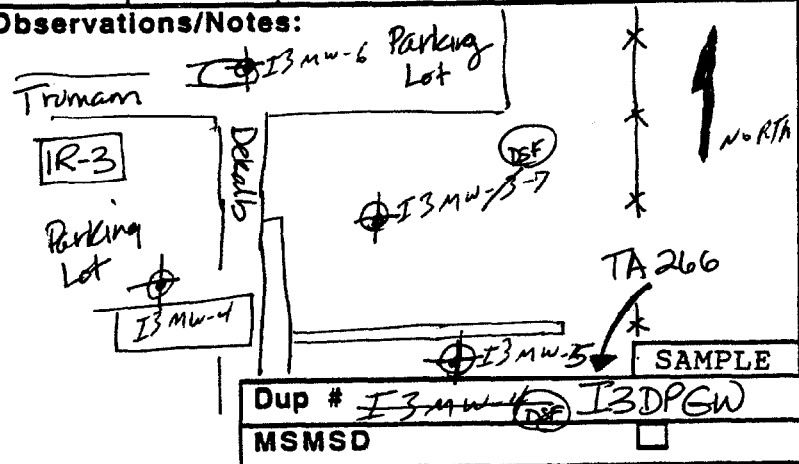
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.48	4.29	32.2	clear / 10	2.42

Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
(8080) Pest/PCB	—
(8150) Herb	—
TAL ~~200.7~~ Metal	HNO3
DEF	

Observations/Notes:



SAL.
0.18
0.18
0.19
0.19
0.20
SAMPLE 0.17

Dup # ~~I3MW-4~~ DEF I3DPGW

MSMSD ☐

Air Bill # 1914373285

Date Shipped 9-30-96

Time Shipped 1740

Lab: GEL.

Other

SAMPLE LOG SHEET

Brown & Root Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By Tom Nicotera

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: 13DP(GW)' (Duplicate) 13MW-4
Source Location: IR3

Total Well Depth:	13.81'
Well Stickup:	
Well Casing Size:	2"
Static Water Level:	4.33'
One Casing Volume:	1.55 gal
Start Purge (hrs.):	0915
End Purge (hrs.):	1010
Total Purge Time (min.):	55
Total Amount Purged (gal.):	4.64
Monitoring Reading:	0 ppm / 0915
Purge Method:	Peristaltic
Sample Method:	Peristaltic
Depth Sampled:	6'
Sample Date & Time:	09-28-96 1020
Sampled By:	Tom Nicotera
Signature(s):	

Purge Data

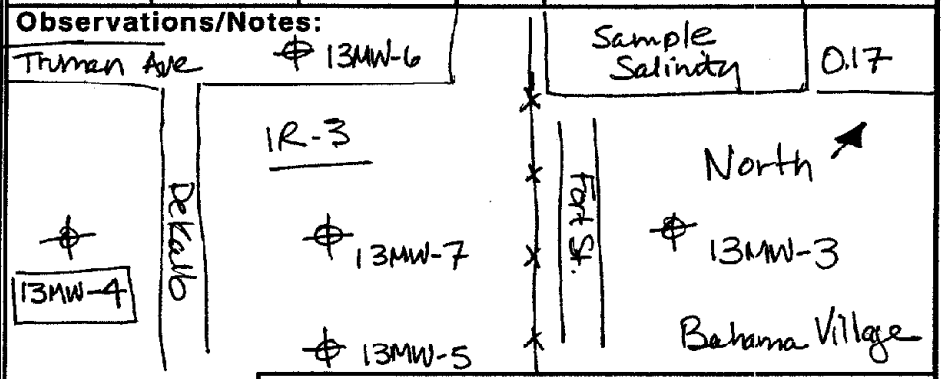
Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
	Refer to 13MW-4				

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.48	4.29	32.2	clear / 10	2.42

Sample Salinity: 0.17

Observations/Notes:



Type of Sample
- ☐ Low Concentration
- ☐ High Concentration
- ☒ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
Metal (TAL)	HNO3
Pest/PCB (8080)	—
Herb (8150)	—

Dup #
MSMSD ☐

Air Bill # 1914373285
Date Shipped 9-30-96
Time Shipped 1740
Lab GEL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By Scott Flickinger

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: 13MW-5
Source Location: IR3

Total Well Depth:	14.0'
Well Stickup:	
Well Casing Size:	2"
Static Water Level:	3.63'
One Casing Volume:	1.7 gal
Start Purge (hrs.):	1200
End Purge (hrs.):	~~1240~~ 1330
Total Purge Time (min.):	90
Total Amount Purged (gal.):	6 gal
Monitoring Reading:	Ø ppm 1150 1205
Purge Method:	Peristaltic
Sample Method:	Peristaltic
Depth Sampled:	4.5'
Sample Data & Time:	09-27-96 1330
Sampled By:	Scott Flickinger
Signature(s):	

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal	7.06	0.99	29.2	cloudy / 110	2.19
2 gal	7.19	0.96	28.7	cloudy / 150	1.98
3 gal	7.25	0.94	28.7	cloudy / 85	2.59
4 gal	7.38	0.94	28.6	cloudy / 47	2.40
5 gal	7.32	0.94	29.1	clear / 30	2.09
5.5 gal	7.45	0.93	28.9	clear / 26	2.25
6.0 gal	7.29	0.93	29.0	clear / ~~24~~ 22	2.35

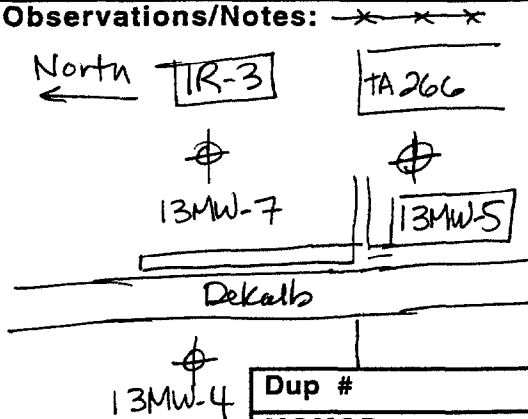
Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.41	0.92	29.0	clear / 13	1.85

Type of Sample
- ☐ Low Concentration
- ☐ High Concentration
- ☒ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
PCB/Pest. 8080	—
Herb 8150	—
~~Cyanide~~ Metal	HNO3
TAL	

Observations/Notes:



Salinity	Sample Salinity
1. 0.04%	0.04%
2. 0.04%	
3. 0.04%	
4. 0.04%	
5. 0.04%	
5.5 0.04%	
6. 0.04%	

Dup #
MSMSD ☐

Air Bill # 1914373252
Date Shipped 09-27-96
Time Shipped 1800
Lab GEL
Other

SAMPLE LOG SHEET

Brown & Root
vironmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By Scott Flickinger

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: 13MW-6
Source Location: IR3

Total Well Depth:	14.15'
Well Stickup:	
Well Casing Size:	2"
Static Water Level:	4.35'
One Casing Volume:	1.6 gal
Start Purge (hrs.):	1015
End Purge (hrs.):	1120
Total Purge Time (min.):	65
Total Amount Purged (gal.):	5 gal
Monitoring Reading:	~~0~~ ppm 1005 1015
Purge Method:	Peristaltic
Sample Method:	Peristaltic
Depth Sampled:	5.5'
Sample Date & Time:	09-28-96 1120
Sampled By:	Scott Flickinger
Signature(s):	Scott Flickinger

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal	6.96	5.62	30.4	yellow / 52	~~0.~~ 1.01
2 gal	7.02	5.57	30.6	yellow / 12	1.48
3 gal	7.10	5.59	30.9	clear / 1	~~1.83~~ 1.45
4 gal	7.09	5.49	31.1	clear / 0	1.38
5 gal	6.99	5.52	31.2	clear / 0	1.11

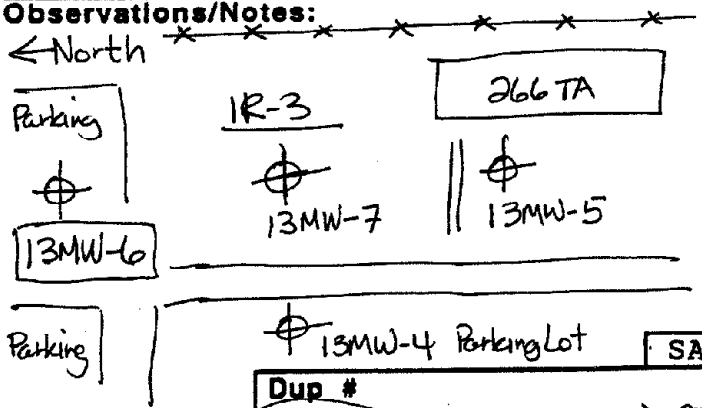
Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
6.93	5.43	31.3	clear / 0	1.03

Type of Sample:
- ☐ Low Concentration
- ☐ High Concentration
- ☒ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
Metals (TAL)	HNO3
PCB/Pest (8080)	—
Herb (8150)	—

Observations/Notes:



SAL.
1. 0.29
2. 0.29
3. 0.29
4. 0.29
5. 0.28
SAMPLE 0.28

Dup #
MSMSD ☒

Air Bill # 1914373285
Date Shipped 9-30-96
Time Shipped 1740
Lab GEL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By Scott Flickinger

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: 13MW-7
Source Location: IR3

Total Well Depth:	13.09'
Well Stickup:	
Well Casing Size:	2"
Static Water Level:	4.73'
One Casing Volume:	1.4 gal
Start Purge (hrs.):	1500
End Purge (hrs.):	1610
Total Purge Time (min.):	70
Total Amount Purged (gal.):	5 gal
Monitoring Reading:	Øppm 1505, 1600
Purge Method:	Peristaltic
Sample Method:	Peristaltic
Depth Sampled:	5.5'
Sample Data & Time:	09-27-96 1610
Sampled By:	Scott Flickinger
Signature(s):	

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal	7.38	2.83	29.7	clear / 9	2.10
2 gal	7.37	2.76	29.2	clear / 7	2.16
3 gal	~~7.51~~ DSF 7.40	2.74	29.2	clear / 6	1.96
4 gal	7.36	2.72	29.2	clear / 7	2.00
5 gal	7.35	2.67	29.0	clear / 7	1.51

Sample Data

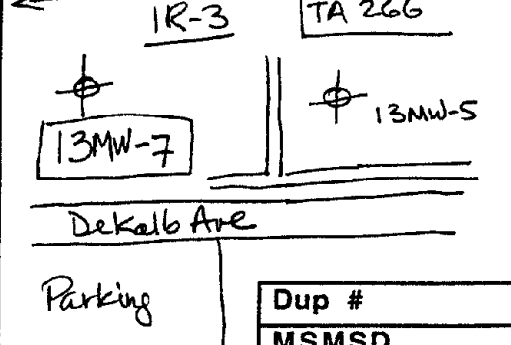
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
~~7.56~~ DSF 7.41	2.63	29.0	clear / 6	1.76

Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☒ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
Metals (TAL)	HNO_3
PCB/Pest (8080)	—
Herb (8150)	—

Observations/Notes:



Salinity	Sample Salinity
1. 0.14%	0.12
2. 0.13%	
3. 0.13%	
4. 0.13%	
5. 0.12%	

DSF

Dup #
MSMSD ☐

Air Bill # 1914373252
Date Shipped 09-27-96
Time Shipped 1800
Lab GEL
Other

IR 7

SOIL SAMPLES

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

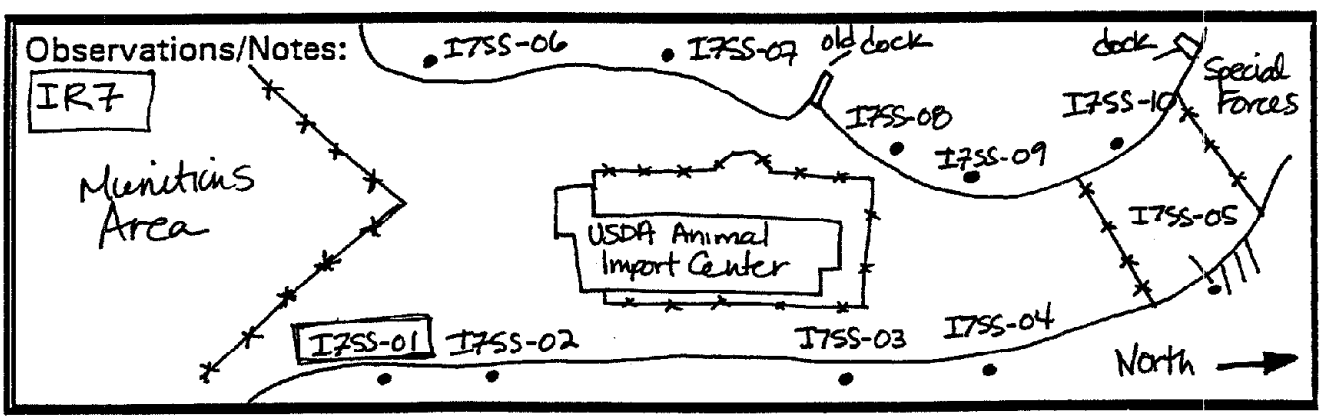
Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name 1755-01 Sample Source or Location IR-7

10ft offshore at marker "190S" 50ft South of marker "175S"

Sample Method: Stainless Steel Trowel & Bowl	Sample Date and Time: 09-30-96 1510
Sample Depth: 3.0 ft	Color: Lgt Brown
Sampled By (Print): Alford Barnett	Sample Description: fine to medium grain quartz sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals TAL	F609901K
Cyanides 335.1	↓
Pest/PCB 8080	
Pb 8150	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-01-96/1800	1914373241

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of ___

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

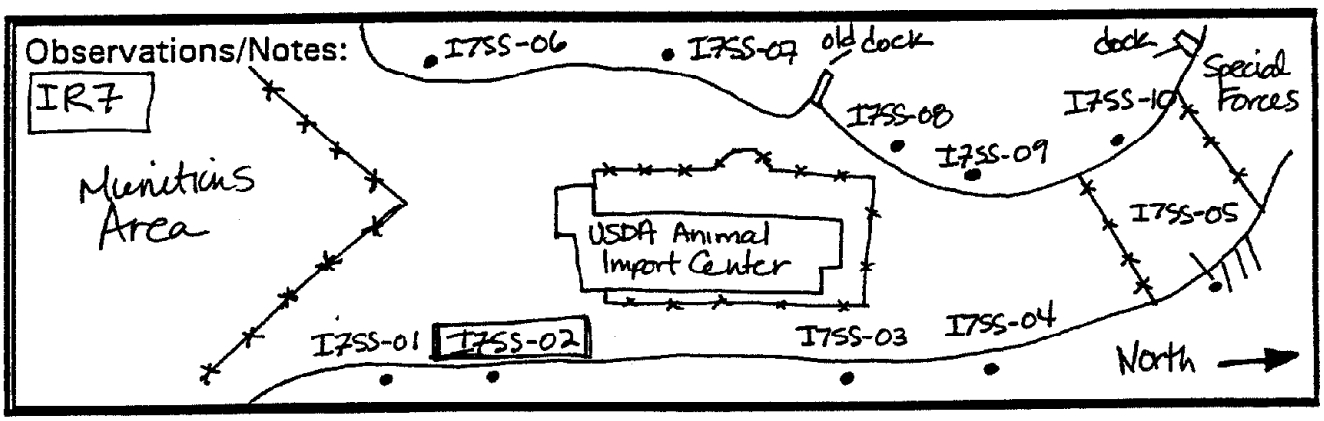
Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name I7SS-02 Sample Source or Location IR-7

10ft offshore at Marker "12SS" 100ft from southend of USDA Center

Sample Method: Stainless Steel Trowel & Bowl	Sample Date and Time: 09-30-96 1455
Sample Depth: 3.0ft	Color: Lgt Brown
Sampled By (Print): Alford Barnett	Sample Description: fine to medium grain quartz Sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals TAL	F609901K
Cyanides 335.1	↓
Pest/PCB 8080	↓
Herb 8150	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-01-96/1800	1914-3732411

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

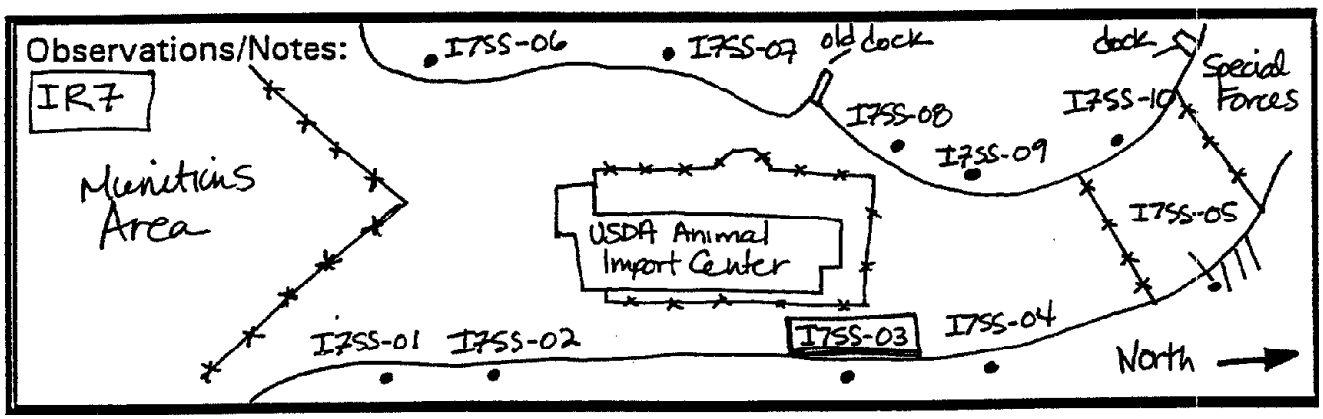
Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name I7SS-03 Sample Source or Location IR-7

8ft offshore at Marker "40N" near north end of USDA Center

Sample Method: Stainless Steel Trowel & Bowl	Sample Date and Time: 09-30-96 1410
Sample Depth: 3.0 ft	Color: Lgt Brown
Sampled By (Print): Alford Barnett	Sample Description: fine to medium quartz Sand w/ Pebbles
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals TAL	F609901K
Cyanides 335.1	↓
Pest/PCB 8080	↓
Herb 8150	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-01-96/1800	1914-3732411

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of ___

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

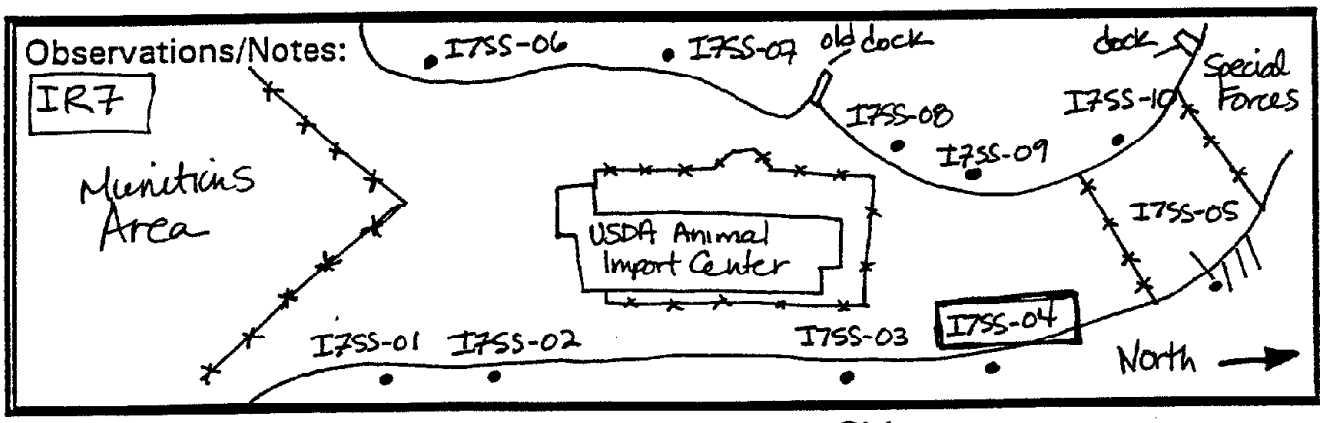
Project Site Name: NAS Key West Project Site Number: 7046

B&RE Sample Name: I7SS-04 Sample Source or Location: IR-7

Marker "125N" 100 ft south of chain link fence.

Sample Method: Stainless Steel Trowel & Bowl	Sample Date and Time: 09-30-96 1430
Sample Depth: 3.0 ft.	Color: Lgt Brown
Sampled By (Print): Alford Barnett	Sample Description: fine grain quartz Sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals TAL	F609901K
Cyanides 335.1	↓
Pest/PCB 8080	↓
Herb 8150	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-01-96/1800	1914-3732411

Brown & Root Environmental

SAMPLE LOG SHEET

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: NAS Key West Project Site Number: 7046

B&RE Sample Name: I7DPSS Sample Source or Location: IR-7

(Duplicate to I7SS-04)

Sample Method: Stainless Steel Trowel & Bowl	Sample Date and Time: 09-30-96 1430
Sample Depth: 3.0 ft	Color: Lgt Brown
Sampled By (Print): Alford Barnett	Sample Description: fine grain quartz Sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:

Duplicate to I7SS-04 See I7SS-04 Map.

Analyses

Analysis	Bottle Lot #
Metals TAL	F60990K
Cyanides 3351	↓
Pest/PCB 8080	↓
6 8150	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-01-96/1800	1914373241

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of ___

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

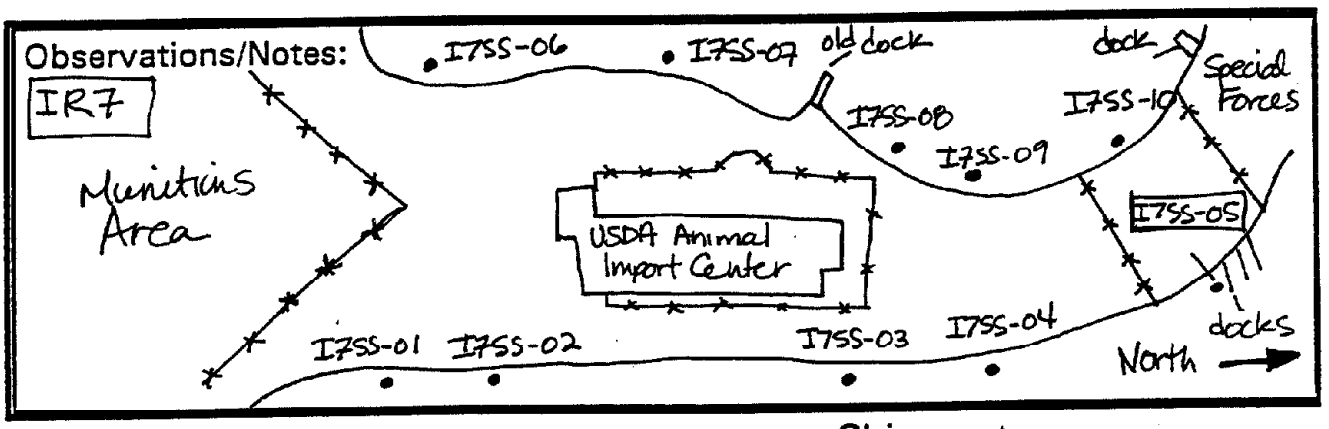
Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name I7SS-05 Sample Source or Location IR-7

3ft. offshore near Special Forces dock (east side of Fleming key)

Sample Method: Stainless Steel Trowel & Bowl	Sample Date and Time: 09-30-96 1400
Sample Depth: 3.0 ft	Color: Grey
Sampled By (Print): Alford Barnett	Sample Description: fine to course grain quartz Sand w/pebbles
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals TAL	F60990K
Cyanides 335.1	↓
Pest/PCB 8080	↓
Herb 8150	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-01-96/1800	1914373241

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

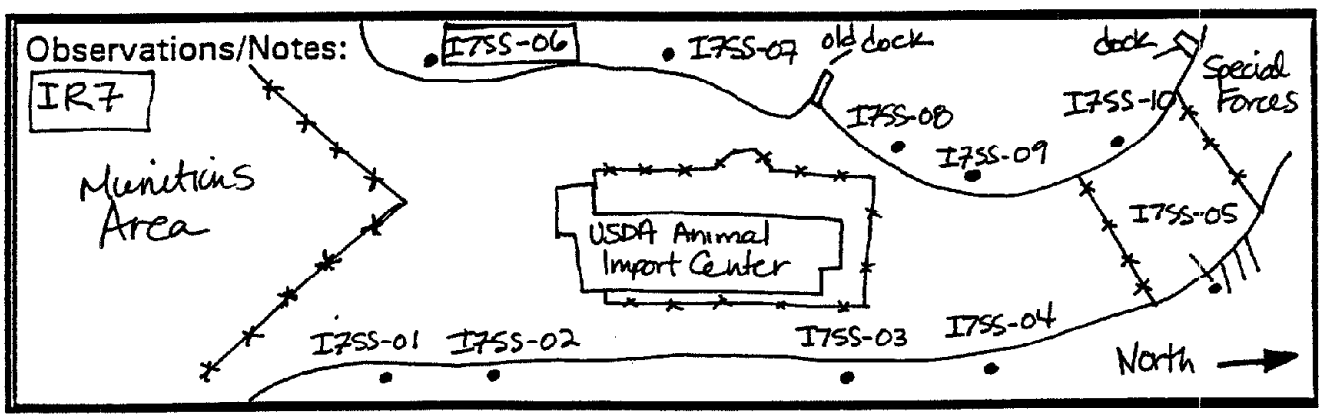
Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name I7SS-06 Sample Source or Location IR-7

20ft offshore where shoreline turns west (at northern end of the Munitions Area).

Sample Method: Stainless Steel Trowel & Bowl	Sample Date and Time: 09-30-96 1115
Sample Depth: 3.0 ft	Color: Very Lgt Brown
Sampled By (Print): Alford Barnett	Sample Description: fine to course grain quartz Sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals TAL	F609901K
Cyanides 335.1	↓
Pest/PCB 8080	↓
Herb 8150	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-01-96/1800	1914373241

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of ___

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

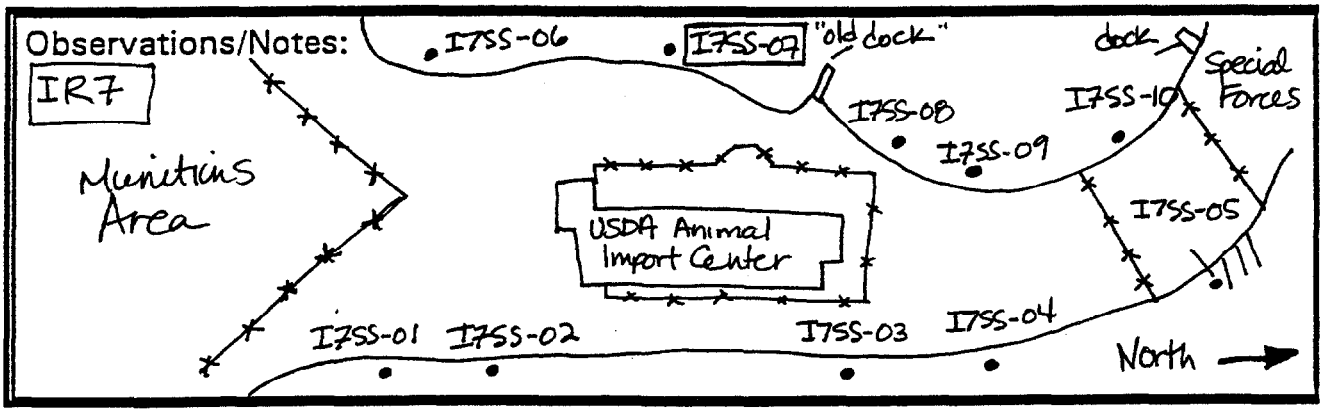
Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name I7SS-07 Sample Source or Location IR-7

10ft. offshore. Approximately 300ft. south of "old dock"

Sample Method: Stainless Steel Trowel & Bowl	Sample Date and Time: 09-30-96 1105
Sample Depth: 3.0 ft	Color: Lgt Brown
Sampled By (Print): Alford Barnett	Sample Description: fine to course grain quartz Sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals TAL	F60990K
Cyanides 335.1	↓
Pest/PCB 8080	↓
Herb 8150	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-01-96/1800	1914373241

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name NAS Key West

Project Site Number 7046

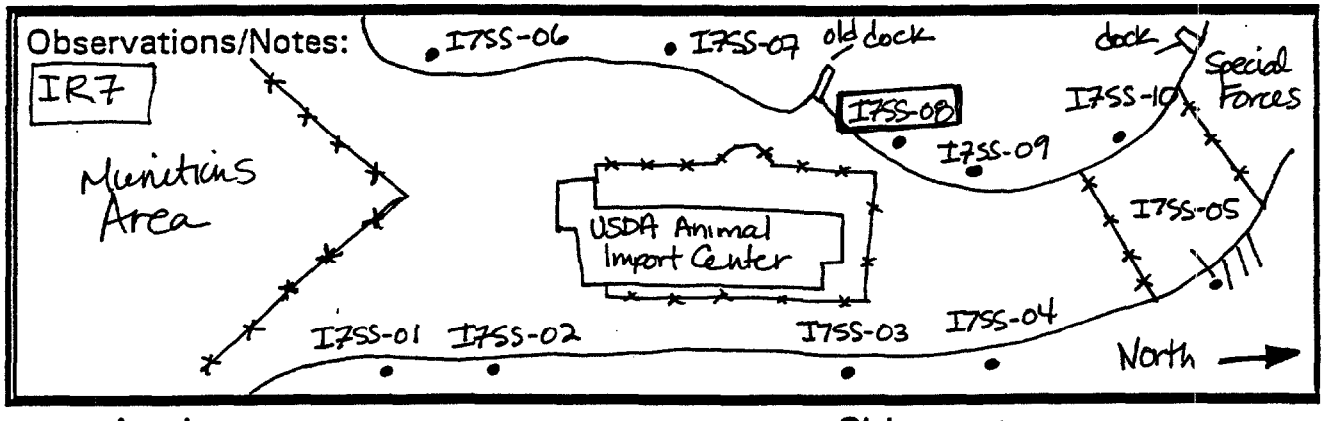
B&RE Sample Name I7SS-08

Sample Source or Location IR-7

30ft offshore. Due West

Sample Method: Stainless Steel Trowel & Bowl	Sample Date and Time: 09-30-96 1055
Sample Depth: 3.5ft	Color: Lgt Grey
Sampled By (Print): Alford Barnett	Sample Description: fine grain Silty Sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals TAL	F609901K
Cyanides 335.1	↓
Pest/PCB 8080	↓
rb 8150	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-01-96/1800	1914-37324 1

Brown & Root Environmental

SAMPLE LOG SHEET

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- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

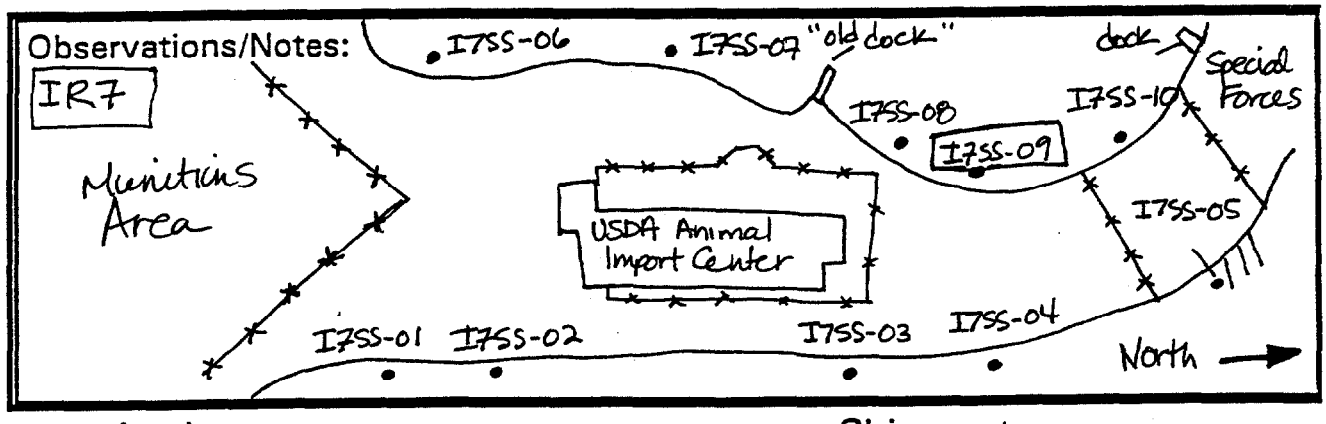
Project Site Name: NAS Key West Project Site Number: 7046

B&RE Sample Name: I7SS-09 Sample Source or Location: IR-7

30ft. offshore. Most eastern point in cove between "Special Forces dock" and "old dock" to south.

Sample Method: Stainless Steel Trowel & Bowl	Sample Date and Time: 09-30-96 1050
Sample Depth: 3.5 ft	Color: Lgt. Grey
Sampled By (Print): Alford Barnett	Sample Description: fine grain Silty Sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals TAL	F609901K
Cyanides 335.1	↓
Pest/PCB 8080	↓
Herb 8150	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-01-96/1800	1914373241

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

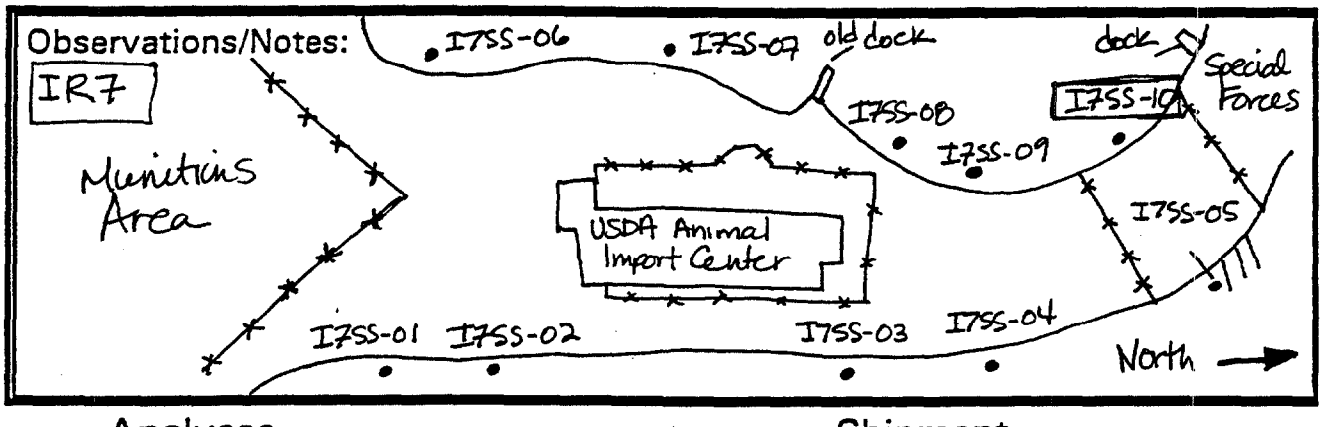
Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name I7SS-10 Sample Source or Location IR-7

30ft offshore, approximately 120ft south of chain link fence.

Sample Method: Stainless Steel Trowel & Bowl	Sample Date and Time: 09-30-96 1040
Sample Depth: 3.5 ft	Color: Lgt Grey
Sampled By (Print): Alford Barnett	Sample Description: fine grain silty sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals TAL	H609901K
Cyanides 335.1	↓
Pest/PCB 8080	↓
Herb 8150	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-01-96/1800	1914-373241

IR 7

GROUNDWATER SAMPLES

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By Tom Nicotera

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I7 KWM-12
Source Location: IR No. 7

Total Well Depth: 11.74'
Well Stickup: Bent over 1.5'
Well Casing Size: 2"
Static Water Level: 4.23'
One Casing Volume: 1.22 gal.
Start Purge (hrs.): 13:56
End Purge (hrs.): 14:20
Total Purge Time (min.): 24
Total Amount Purged (gal.): 3.67
Monitoring Reading: 0 ppm / 13:56

Purge Method: Peristaltic
Sample Method: Peristaltic
Depth Sampled: 5'
Date & Time: 9-11-96 14:30
Sampled By: Tom Nicotera
Signature(s): Tom Nicotera

Type of Sample
☐ Low Concentration
☐ High Concentration
☑ Grab
☐ Composite
☐ Grab - Composite

Analysis:	Preservative:
8080 Pest/PCB	—
8150 Herb	—
335.1 Cyn	NaOH
~~200.7~~	~~HNO3~~ DSF
3.0 Metals	HNO3

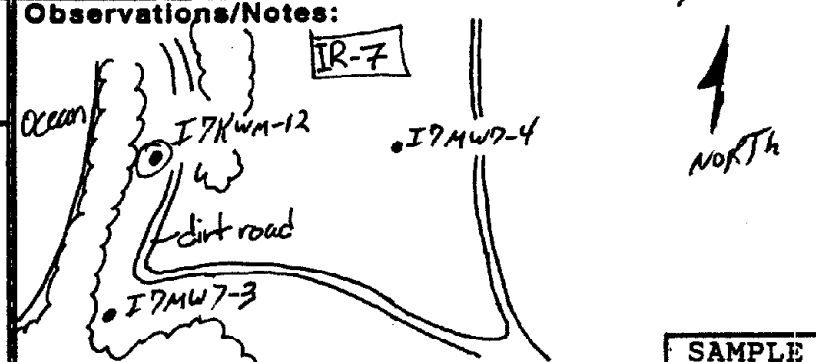
Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	6.96	43.4	28.9	cloudy / 141	1.10
2 gal.	6.93	43.1	28.6	cloudy / 75	7.86
3 gal.	6.95	43.1	28.2	cloudy / 82	7.43

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
6.95	43.1	28.3°	cloudy / 80	7.43

Observations/Notes:



SAL.
2.84
2.79
2.79
SAMPLE 2.79

Dup #
MSMSD ☐
Air Bill # 7455334316
Date Shipped 09-11-96
Time Shipped 1750
Lab GeL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By TOM NICOTERA

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I7MW-1
Source Location: IR No. 7

Total Well Depth:	13.83'
Well Stickup:	1.5'
Well Casing Size:	2"
Static Water Level:	5.36'
One Casing Volume:	1.38 gal.
Start Purge (hrs.):	11:30
End Purge (hrs.):	12:16
Total Purge Time (min.):	46
Total Amount Purged (gal.):	4.14
Monitoring Reading:	opm/11:30
Purge Method:	PERASTALTIC
Sample Method:	PERASTALTIC
Depth Sampled:	7'
Sample Date & Time:	9-10-96 12:30
Sampled By:	TOM NICOTERA
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	6.64	51.0	28.9	clear / 102	9.39
2 gal.	7.10	51.0	28.6	clear / 1	1.00
3 gal.	7.14	51.0	28.5	clear / 1	1.50
4 gal.	7.13	51.0	28.7	clear / 3	8.91

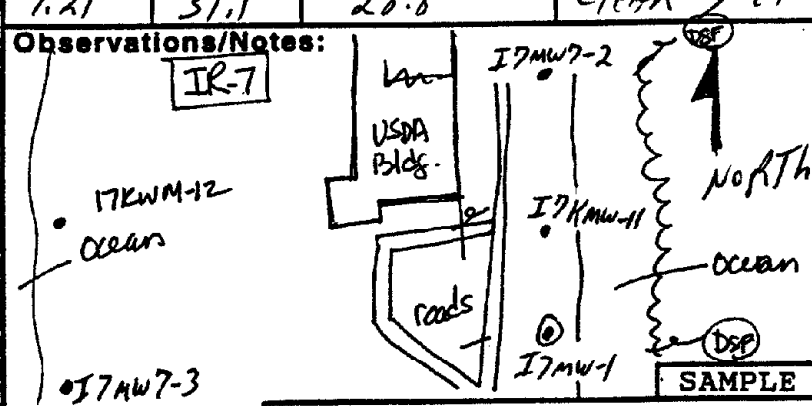
Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.21	51.1	28.8°	clear / 49	9.00

Type of Sample
- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
8080 Pest/PCB	—
8150 Herb	—
335.1 Cyn.	NaOH
~~200.7~~	~~HNO3~~ DSP
1LM03.0 Metals	HNO3

Observations/Notes:



SAL.
3.36
3.36
3.37
3.36
SAMPLE 3.36

Dup #
MSMSD ☐

Air Bill # 7455334316
Date Shipped 09-11-96
Time Shipped 1750
Lab GeC
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By Scott Flickinger

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: 17MW7-1
Source Location: IR7

Total Well Depth:	18.65'
Well Stickup:	
Well Casing Size:	2"
Static Water Level:	6.2'
One Casing Volume:	2gal
Start Purge (hrs.):	1300
End Purge (hrs.):	1440
Total Purge Time (min.):	
Total Amount Purged (gal.):	
Monitoring Reading:	Ø ppm 1255, Ø ppm 1305
Purge Method:	Peristaltic
Sample Method:	Peristaltic
Depth Sampled:	8'
Sample Date & Time:	09-11-96 1440
Sampled By:	Scott Flickinger
Signature(s):	[signature]

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1gal	6.98	13.5	27.9	clear / 10	1.15
2gal	6.98	13.6	27.4	clear / 7	1.07
3gal	6.99	13.2	27.7	clear / 6	0.99
4gal	7.03	12.9	28.3	clear / 8	0.95
5gal	7.04	12.5	28.3	clear / 5	1.08
6gal	7.04	12.2	28.1	clear / 4	1.12
7gal	7.01	11.7	27.8	clear / 3	1.18
8gal	6.99	11.1	28.9	clear / 3	1.29

Sample Data

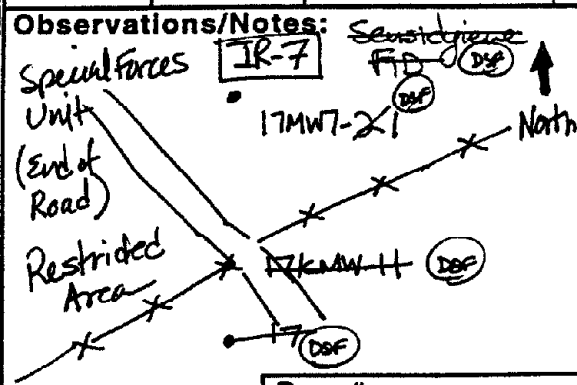
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
6.99	11.8	28.1	clear / 3	1.21

Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☒ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
Metals 1410030	HNO_3
PCB/Pest. 8080	—
Herb/Organo 8150	—
Cyanide 335.1	NaOH

Observations/Notes:



Salinity	Sample Salinity
1. 0.78%	0.64%
2. 0.78%	
3. 0.76%	
4. 0.74%	
5. 0.71%	
6. 0.69%	
7. 0.66%	
8. 0.63%	

Dup #	
MSMSD	☒
Air Bill #	7455334316
Date Shipped	09-11-96
Time Shipped	1750
Lab	GEL
Other	

SAMPLE LOG SHEET

Brown & Root Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By S. Flickinger

Project Site Name NAS Key West
Project Site Number 7046
B&RE Sample ID I7MW7-2
Source Location IR7

Total Well Depth: ~~20.45~~ 20.45'	
Well Stickup:	
Well Casing Size: 2"	
Static Water Level: ~~3.08~~ 7.08'	
One Casing Volume: 2.18 gal	
Start Purge (hrs.): 1135	
End Purge (hrs.): 1240	
Total Purge Time (min.): 65	
Total Amount Purged (gal.): 7 gal	
Monitoring Reading: 0 ppm 1115, 0 ppm 1138	
Purge Method: Peristaltic	
Sample Method: Peristaltic	
Depth Sampled: ~~13~~ TOC ~~12~~ 9	
Sample Data & Time: 09-10-96 1240	
Sampled By: Scott Flickinger	
Signature(s): Scott Flickinger	

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal	6.94	15.2	28.3	5 / clear	0.72
2 gal	7.09	15.0	28.5	5 / clear	1.05
3 gal	7.12	15.0	28.5	4 / clear	0.47
4 gal	7.15	15.0	28.5	4 / clear	0.45
5 gal	7.16	15.0	28.3	3 / clear	0.55
6 gal	7.18	14.9	28.5	~~3~~ 1 / clear / 2	0.55
7 gal	7.19	14.9	28.8	2 / clear	0.57

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.17	14.7	28.6	0 / clear	0.43

Type of Sample

☐ Low Concentration
☐ High Concentration
☒ Grab
☐ Composite
☐ Grab - Composite

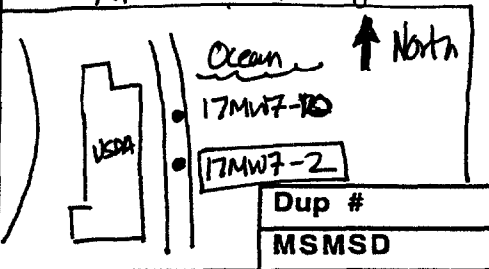
Analysis:	Preservative:
Metals ILM03.0	HNO_3
Cyanide 335.1	NaOH
PCB/Pest 8080	—
Herb/Organo 8150	—

Observations/Notes:

OVA
1115 0 ppm above 0 ppm bkgd.
1135 0 ppm above 0 ppm bkgd.

Salinity
1. 0.89%
2. 0.88%
3. 0.88%
4. 0.87%
5. 0.87%
6. 0.87%
7. 0.87%

Sample Salinity: 0.86%



Dup #	
MSMSD	☐
Air Bill #	7455334316
Date Shipped	09-11-96
Time Shipped	1750
Lab	GEL
Other	

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By TOM NICOTERA

Project Site Name: NAS Keywest
Project Site Number: 7046
B&RE Sample ID: I7MW7-3
Source Location: IR No. 7

Total Well Depth:	22.21
Well Stickup:	2.5'
Well Casing Size:	2"
Static Water Level:	3.05'
One Casing Volume:	3.12 gal.
Start Purge (hrs.):	09:50
End Purge (hrs.):	11:43
Total Purge Time (min.):	113
Total Amount Purged (gal.):	9.37
Monitoring Reading:	0PPM / 09:50
Purge Method:	PERASTAITIC
Sample Method:	PERASTAITIC
Depth Sampled:	5'
Date & Time:	9-11-96 11:50
Sampled By:	TOM NICOTERA
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	6.67	36.6	27.3°	clear / 3	0.82
2 gal.	6.66	43.1	27.0°	clear / 87	7.83
3 gal.	6.67	42.9	27.1°	clear / 86	7.82
4 gal.	6.66	42.5	27.1°	clear / 62	7.81
5 gal.	6.68	39.7	27.2°	clear / 63	7.81
6 gal.	6.67	39.7	27.0°	clear / 70	7.78
7 gal.	6.66	39.7	27.1°	clear / 70	7.71
8 gal.	6.65	39.6	27.2°	clear / 1	0.72
9 gal.	6.66	39.6	27.1°	clear / 0	0.71

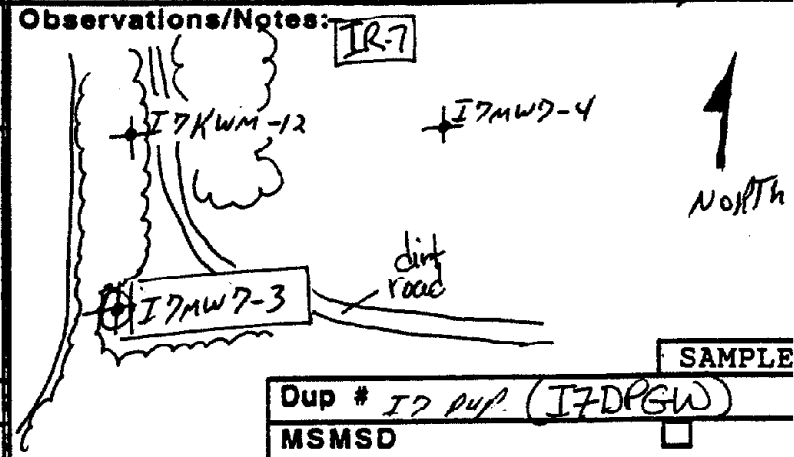
Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
6.61	49.0	26.8°	clear / 0	0.71

Type of Sample:
- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
(8080) Pest/PCB	—
(8150) Herb	—
(335.1) Cyanide	NaOH
DSF ~~200.7~~ Metal (AL-)	HNO3

Observations/Notes:



SAL.
2.35
2.80
2.81
2.80
2.80
2.81
3.22
3.21
3.22
SAMPLE 3.21

Dup # I7 DUP (I7DPGW)
MSMSD ☐
Air Bill # 7455334316
Date Shipped 09-11-96
Time Shipped 1750
Lab GeL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

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By Tom Nicotera

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I7DPGW Duplicate 17MW7-3
Source Location: IR-7

Total Well Depth:	See 17MW7-3
Well Stickup:	
Well Casing Size:	
Static Water Level:	
One Casing Volume:	
Start Purge (hrs.):	
End Purge (hrs.):	
Total Purge Time (min.):	
Total Amount Purged (gal.):	
Monitoring Reading:	
Purge Method:	
Sample Method:	
Depth Sampled:	

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
		See 17MW7-3			

Sample Data & Time: 09-11-96 11:50

Sampled By: Tom Nicotera

Signature(s):

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
6.61	49.0	26.8	clear / 0	0.71

Salinity 3.21

Observations/Notes: IR-7

17MW7-3 Duplicate
See Log Sheet for 17MW7-3

Type of Sample

☐ Low Concentration
☐ High Concentration
☑ Grab
☐ Composite
☐ Grab - Composite

Analysis:	Preservative:
Metals ILM03.0	HNO3
Pest/PCB 8080	—
Herb 8150	—
Cyanide 335.1	NaOH

Dup #
MSMSD ☐

Air Bill # 7455334316
Date Shipped 09-11-96
Time Shipped 1750
Lab GEL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By TOM NICOTERA

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I7MW7-4
Source Location: IR NO. 7.

Total Well Depth:	21.22'
Well Stickup:	3'
Well Casing Size:	2"
Static Water Level:	9.30'
One Casing Volume:	1.94 gal.
Start Purge (hrs.):	13:57
End Purge (hrs.):	15:20
Total Purge Time (min.):	83
Total Amount Purged (gal.):	5.83
Monitoring Reading:	0ppm / 13:57
Purge Method:	PERASTALTIC
Sample Method:	PERASTALTIC
Depth Sampled:	11'
Date & Time:	9-10-96 15:30
Sampled By:	TOM NICOTERA
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	6.83	32.7	28.8°	clear / 1	1.25
2 gal.	6.87	32.7	29.4°	clear / 0	0.80
3 gal.	6.90	32.7	29.4°	clear / 0	0.73
4 gal.	6.90	32.7	29.2°	clear / 0	0.92
5 gal.	6.89	32.6	29.6°	clear / 0	0.63
5.83 gal.	6.92	32.6	29.0°	clear / 1	0.64

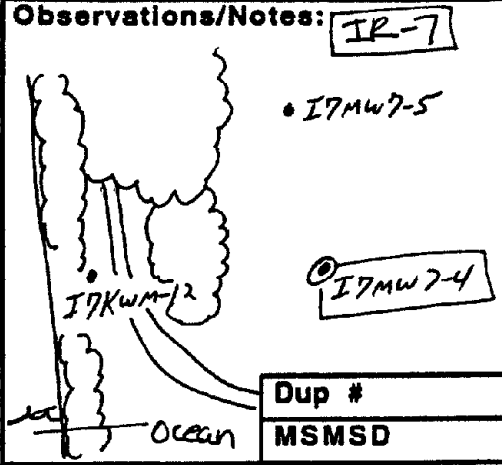
Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
6.89	32.1	28.9°	clear / 0	0.63

Type of Sample:
- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
8080 Pest/PCB	—
8150 Herb	—
335.1 Cyn.	NaOH
~~200.7~~	~~HNO3~~ DSF
23.0 Metals	HNO3

Observations/Notes:



SAL.
2.06
2.06
2.05
2.06
2.05
2.06
SAMPLE 2.02

Dup #
MSMSD ☐
Air Bill # 7455334316
Date Shipped 09-11-96
Time Shipped 1750
Lab GeL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

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By TOM NICOTERA

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I7MW7-5
Source Location: IR NO. 7.

Total Well Depth: 21.26'
Well Stickup: 3'
Well Casing Size: 2"
Static Water Level: 8.69'
One Casing Volume: 2.05 gal.
Start Purge (hrs.): 16:46
End Purge (hrs.): 17:54
Total Purge Time (min.): 68
Total Amount Purged (gal.): 6.15
Monitoring Reading: 0ppm/16:46

Purge Method: PERASTALTIC
Sample Method: PERASTALTIC
Depth Sampled: 9'

Sample Date & Time: 9-10-96 18:10

Sampled By: TOM NICOTERA

Signature(s): Tom Nicotera

Type of Sample
- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
8080 PCB/Pest	—
8150 Herb	—
335.1 Cyn.	NaOH
~~200.7~~	~~HNO3~~ DSF
ILM03.0 Metals	HNO3

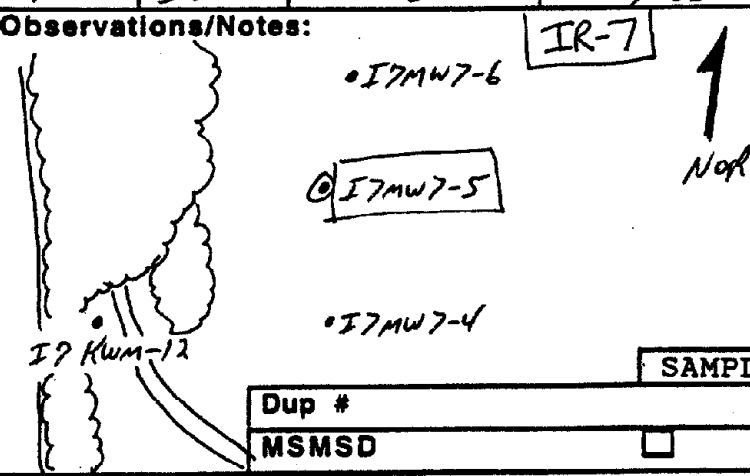
Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	6.62	52.3	29.2°	clear / 9	1.18
2 gal.	6.62	53.4	28.5°	clear / 7	0.60
3 gal.	6.63	53.9	28.3°	clear / 2	9.44
4 gal.	6.64	53.6	28.2°	clear / 5	0.75
5 gal.	6.64	54.1	28.3°	clear / 3	0.84
6 gal.	6.69	54.0	28.6°	clear / 1	1.55

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
6.69	53.8	28.5°	clear / 63	9.63

Observations/Notes:



SAL.
3.47
3.53
3.57
3.57
3.58
3.57
SAMPLE 3.55

Dup #
MSMSD ☐
Air Bill # 7455334316
Date Shipped 09-11-96
Time Shipped 1750
Lab: GeL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By S. Flickinger

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I7MW-7-6
Source Location: IR7

Total Well Depth:	19.0'
Well Stickup:	
Well Casing Size:	2"
Static Water Level:	6.51'
One Casing Volume:	2 gal
Start Purge (hrs.):	1725
End Purge (hrs.):	1830
Total Purge Time (min.):	65
Total Amount Purged (gal.):	6 gal
Monitoring Reading:	Ø ppm 1720 Ø ppm 1730
Purge Method:	Peristaltic
Sample Method:	Peristaltic
Depth Sampled:	8'
Sample Date & Time:	09-10-96 1830
Sampled By:	Scott Flickinger
Signature(s):	[signature]

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal	6.94	9.9	27.8	O/~~clear~~ lgt blk	1.08
2 gal	6.80	9.9	27.6	O/~~clear~~ lgt blk	0.62
3 gal	6.84	9.9	27.6	O/~~clear~~ lgt blk	0.74
4 gal	6.86	10.0	27.5	O/ lgt. blk	0.76
5 gal	6.84	10.1	27.4	O/ lgt blk	0.78
6 gal	6.87	10.0	27.4	O/ lgt blk	0.49

Sample Data

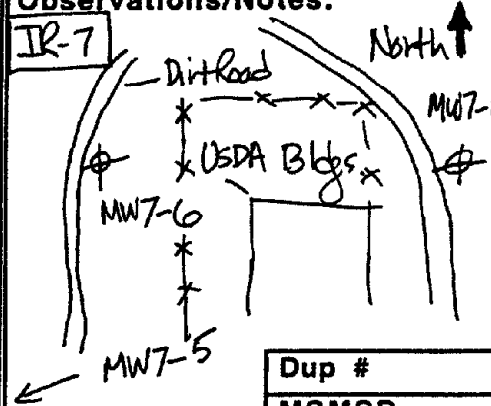
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
6.88	10.2	27.4	O/ lgt blk	0.72

Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☒ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
Metals	HNO_3
PCB/Pest	—
Herb/Organo	—
Cyanide	NaOH

Observations/Notes:



Salinity	
1.	0.56%
2.	0.56%
3.	0.56%
4.	0.56%
5.	0.57%
6.	0.56%

Sample Salinity
0.57%

Dup #
MSMSD ☐

Air Bill # 7455334316
Date Shipped 09-11-96
Time Shipped 1750
Lab GEL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By Scott Flickinge

Project Site Name NAS Key West
Project Site Number 7046
B&RE Sample ID I7MW7-10
Source Location IR7

Total Well Depth: ~~16.18~~ 15.18'	
Well Stickup:	
Well Casing Size: 2"	
Static Water Level: ~~8.10~~ 7.10'	
One Casing Volume: 1.3 gal	
Start Purge (hrs.): 1530	
End Purge (hrs.): 1610	
Total Purge Time (min.): 40	
Total Amount Purged (gal.): 4 gal	
Monitoring Reading: Ø ppm 1540 Ø ppm 1525 O/A	
Purge Method: Peristaltic	
Sample Method: Peristaltic	
Depth Sampled: ~~Ø~~ TOC ~~9~~ 10	
Sample Data & Time: 09-10-96 1610	
Sampled By: Scott Flickinger	
Signature(s): [signature]	

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal	6.87	14.0	30.0	0/clear	1.45
2 gal	6.84	13.9	29.8	0/clear	1.44
3 gal	6.87	13.8	29.6	0/clear	1.85
4 gal	6.83	13.8	29.7	0/clear	1.23

Sample Data

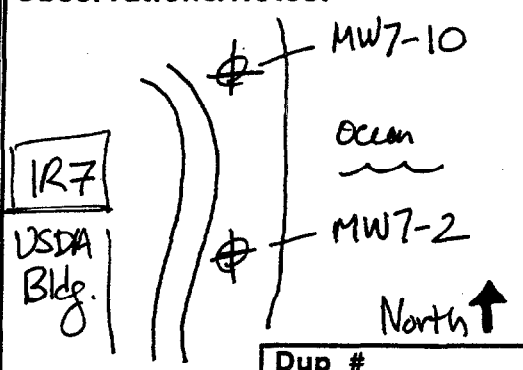
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
6.82	13.7	29.7	0/clear	1.87

Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☒ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
Metals	HNO_3
PCB/Pest.	-
Herb/Organo	-
Cyanide	NaOH

Observations/Notes:



Salinity
1. 0.81%
2. 0.80%
3. 0.80%
4. 0.80%

Sample Salinity: 0.79%

Dup #	
MSMSD	☐
Air Bill #	7455334316
Date Shipped	09-11-96
Time Shipped	1750
Lab	GEL
Other	

IR 8

SOIL SAMPLES

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of

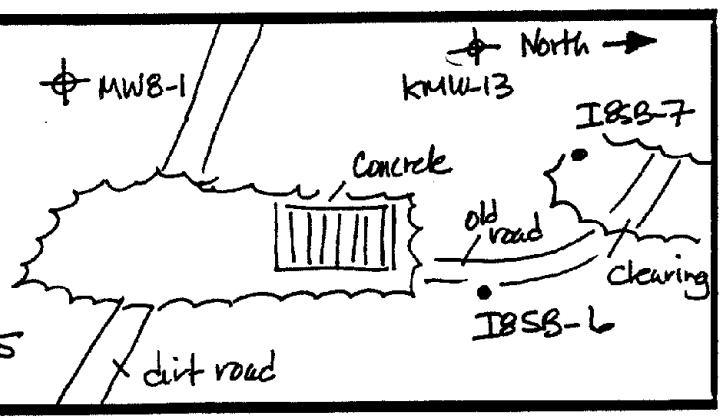
- [x] Surface Soil
- [ ] Subsurface Soil
- [ ] Sediment
- [ ] Other

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name IBSB-4 Sample Source or Location IR8

Sample Method: Stainless Auger, bowl & trowel	Sample Date and Time: 08-20-96 0910
Sample Depth: 0-1 ft	Color: White Grey
Sampled By (Print): Scott Flickinger	Sample Description: limestone fill w/ medium ~~cobbles~~ pebbles DSF
Sampled By (Signatures): [signature]	FID Reading of Sample (if appropriate): 0ppm
Concentration of Sample: [x] Low [ ] Medium [ ] High	Type of Sample: [x] Composite [ ] Grab

Observations/Notes: IR8
Former location of IT sample B-~~2~~4 DSF as marked with a 3/8" piece of pipe
Compass headings used from SAP to locate previous sample locations



Analyses

Analysis	Bottle Lot #
Pest/PCB	F609901K
Herbicides	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	08-20-96/1725	1914380005

Brown & Root Environmental

SAMPLE LOG SHEET

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- [x] Surface Soil
- [ ] Subsurface Soil
- [ ] Sediment
- [ ] Other

Project Site Name: NAS Key West

Project Site Number: 7046

B&RE Sample Name: IBSB-5

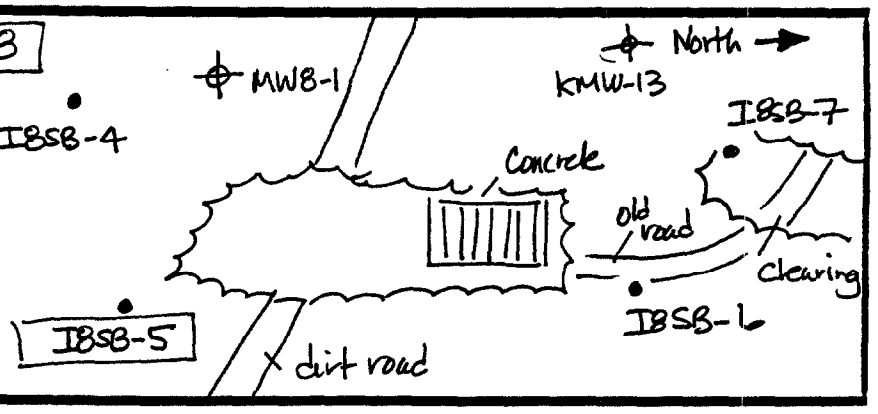
Sample Source or Location: IR8

Sample Method: Stainless Auger, bowl & trowel	Sample Date and Time: 08-20-96 0930
Sample Depth: 0-1 ft	Color: White Grey
Sampled By (Print): Scott Flickinger	Sample Description: (PSF) limestone fill w/o ~~cobbles or~~ pebbles
Sampled By (Signatures): [signature]	FID Reading of Sample (if appropriate): 0ppm
Concentration of Sample: [x] Low [ ] Medium [ ] High	Type of Sample: [x] Composite [ ] Grab

Observations/Notes: IR8

Former location of IT Sample B-5 ~~as marked~~ (PSF) (approximately)

Compass heading used from SAP map to locate previous sample locations



Analyses

Analysis	Bottle Lot #
Pest/PCB	F609901K
Herbicides	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	08-20-96/1725	1914380005

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of ___

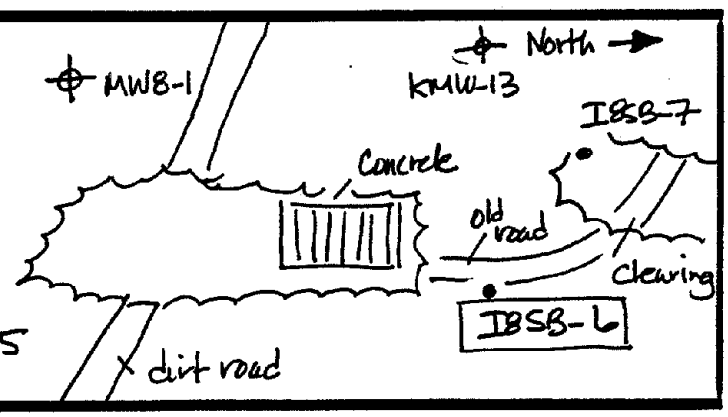
- [x] Surface Soil
- [ ] Subsurface Soil
- [ ] Sediment
- [ ] Other

Project Site Name: NAS Key West Project Site Number: 7046

B&RE Sample Name: IBSB-6 Sample Source or Location: IR8

Sample Method: Stainless Auger, bowl & trowel	Sample Date and Time: 08-20-96 1015
Sample Depth: 0-1 ft	Color: Grey
Sampled By (Print): Tom Nicotera	Sample Description: limestone fill w/ small amount organic mat.
Sampled By (Signatures):	FID Reading of Sample (if appropriate): Ø ppm
Concentration of Sample: [x] Low [ ] Medium [ ] High	Type of Sample: [x] Composite [ ] Grab

Observations/Notes: IR8
Former location of IT Sample B-6 (approximate)
Compass heading used from SAP map to locate previous sample location
3/8" steel pipe found on ground near sample location



Analyses

Analysis	Bottle Lot #
Pest/PCB	F609901K
Herbicides	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	08-20-96/1725	1914380005

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

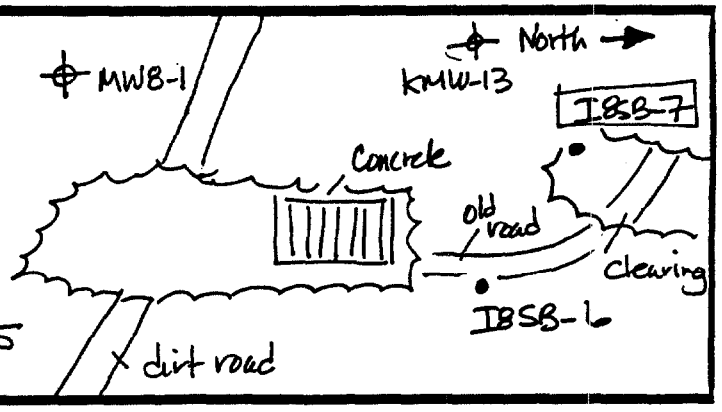
- [x] Surface Soil
- [ ] Subsurface Soil
- [ ] Sediment
- [ ] Other

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name IRSB-7 Sample Source or Location IRB

Sample Method: Stainless Auger, bowl & trowel	Sample Date and Time: 08-20-96 1030
Sample Depth: 0-1ft.	Color: Grey
Sampled By (Print): Scott Flickinger	Sample Description: limestone full w/ Pebbles
Sampled By (Signatures): Scott Flickinger	FID Reading of Sample (if appropriate): Ø ppm
Concentration of Sample: [x] Low [ ] Medium [ ] High	Type of Sample: [x] Composite [ ] Grab

Observations/Notes: IRB
Former location of IT Sample B-7. as marked with a 3/8" piece of pipe.
Compass headings used from SAP map to locate previous sample locations



Analyses

Analysis	Bottle Lot #
Pest/PCB	F609901K
Herbicides	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	08-20-96/1725	1914380005

IR 8

SEDIMENT SAMPLES

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of _

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: NAS Key West

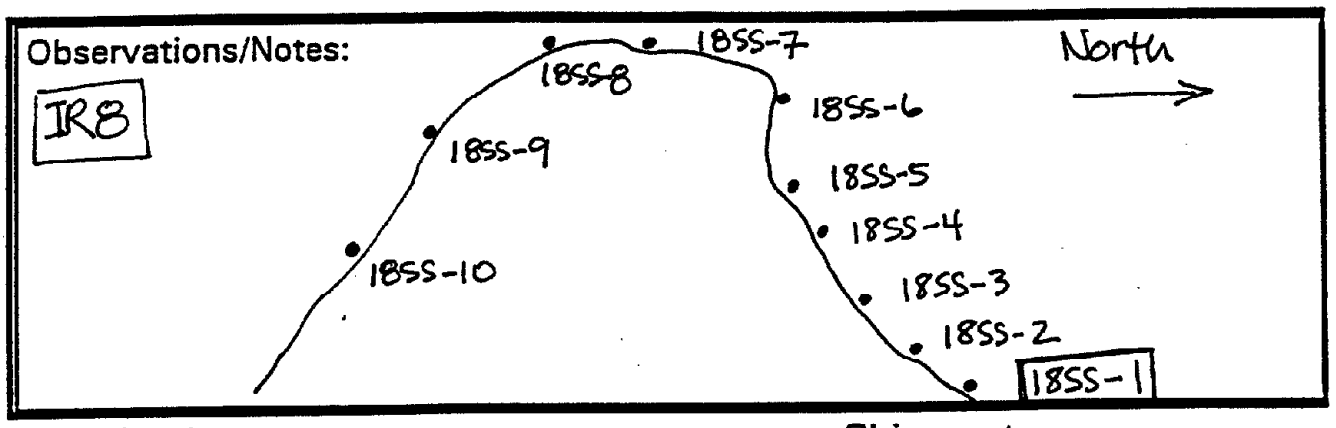
Project Site Number: 7046

B&RE Sample Name: I8SS-1
8ft offshore

Sample Source or Location: IR-8

Sample Method: Stainless Steel Trowel & Bowl	Sample Date and Time: 08-18-96 1920
Sample Depth:	Color: Grey
Sampled By (Print): Paul Callison	Sample Description: Silty Sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals TAL	F609901K
Pest/PCB 8080	↓
Herb 8150	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	08-19-96 1730	1914380204

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: NAS Key West

Project Site Number: 7046

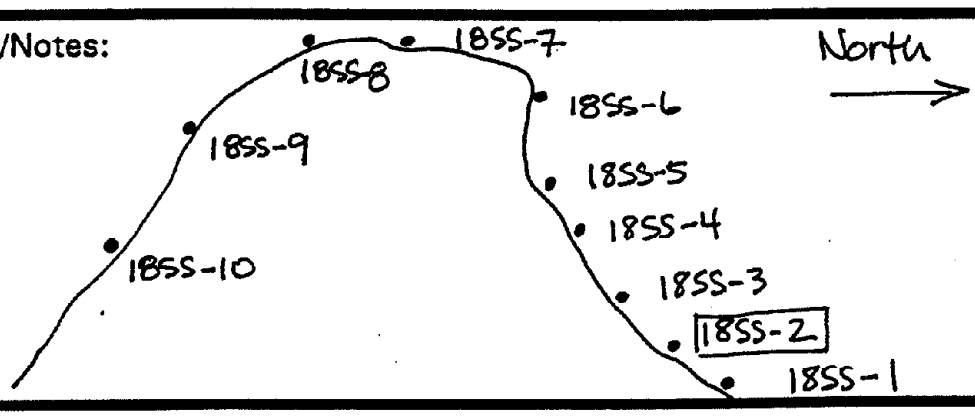
B&RE Sample Name: 18SS-2

Sample Source or Location: IR-8

10ft offshore

Sample Method: Stainless Steel Trowel & Bowl	Sample Date and Time: 08-18-96 1940
Sample Depth:	Color: Grey
Sampled By (Print): Paul Callison	Sample Description: Silty Sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate):
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals TAL	F609901K
Pest/PCB 8080	↓
Herb 8150	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	08-19-96 1730	1914380204

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name NAS Key West

Project Site Number 7046

B&RE Sample Name I8SS-3

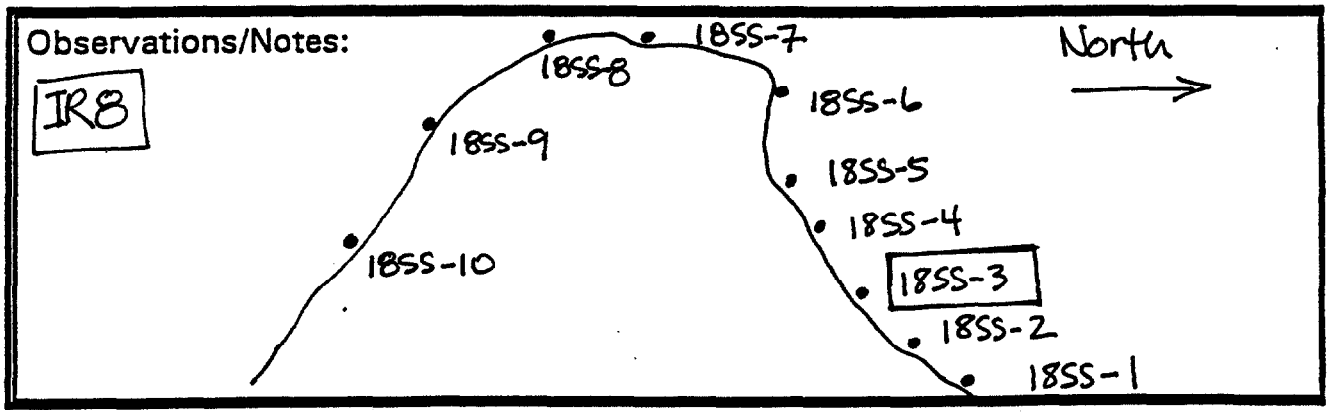
6 ft offshore

Sample Source or Location IR-8

Duplicate taken I8DPSS

Sample Method: Stainless Steel Trowel & Bowl	Sample Date and Time: 08-18-96 1950
Sample Depth: 1 ft.	Color: Grey
Sampled By (Print): Paul Callison	Sample Description: Silty Sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals TAL	F6099DK
Pest/PCB 8080	↓
Herb 8150	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	08-19-96 1730	1914380204

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

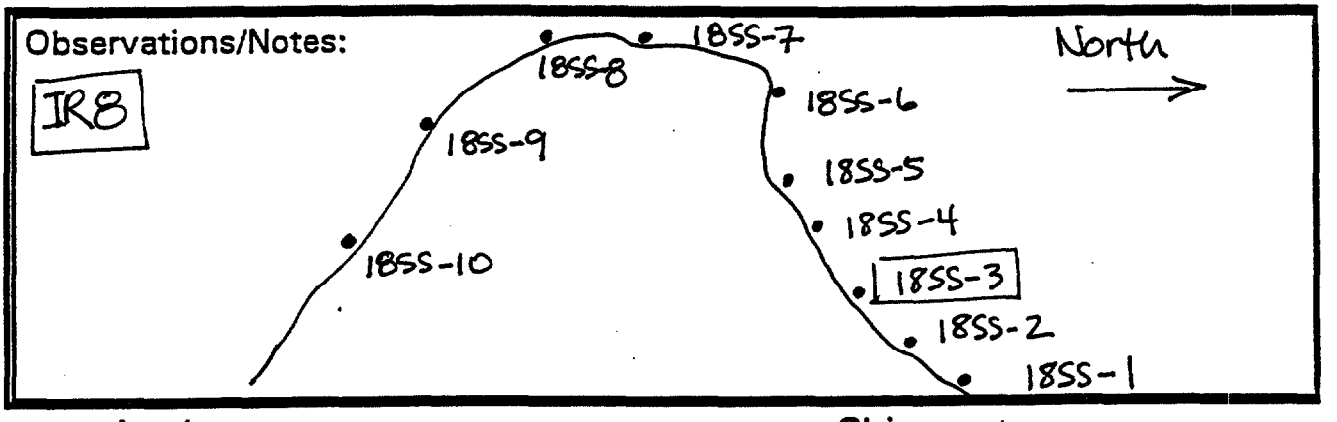
Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name I8DP SS Sample Source or Location IR-8

Duplicate of I8SS-3

Sample Method: Stainless Steel Trowel & Bowl	Sample Date and Time: 08-18-96 1950
Sample Depth:	Color: Grey
Sampled By (Print): Paul Callisson	Sample Description: Silty Sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals TAL	F609901K
Pest/PCB 8080	↓
Herb 8150	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	08-19-96 1730	1914380204

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of _

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: NAS KeyWest

Project Site Number: 7046

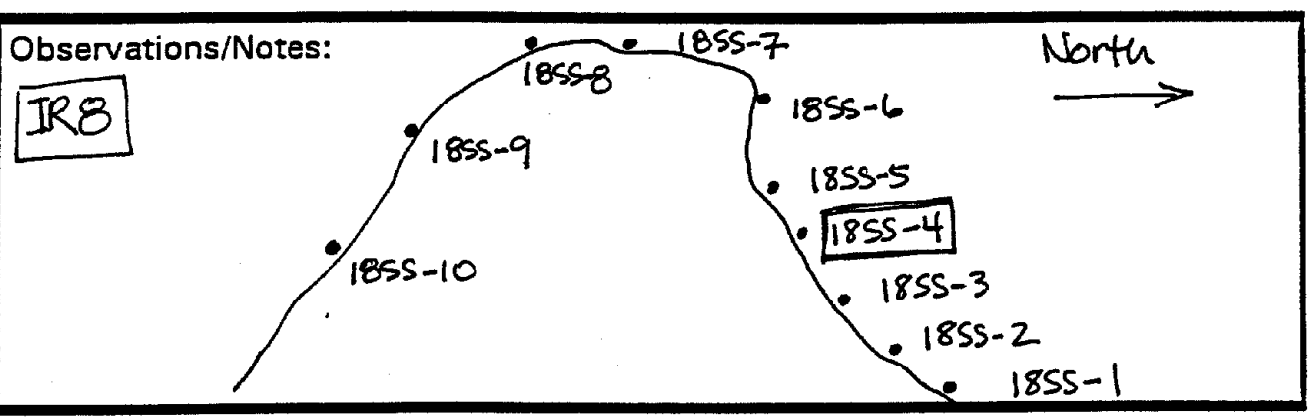
B&RE Sample Name: 18SS-4

4ft off shore

Sample Source or Location: IR-8

Sample Method: Stainless Steel Trowel & Bowl	Sample Date and Time: 08-18-96 1805
Sample Depth:	Color: Grey
Sampled By (Print): Scott ~~Paul Callagan~~ Flickinger	Sample Description: Sand w/silt
Sampled By (Signatures): [signature]	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals TAL	F60990K
Pest/PCB 8080	↓
Herb 8150	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	08-19-96 1730	1914380204

Brown & Root Environmental

SAMPLE LOG SHEET

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: NAS Key West

Project Site Number: 7046

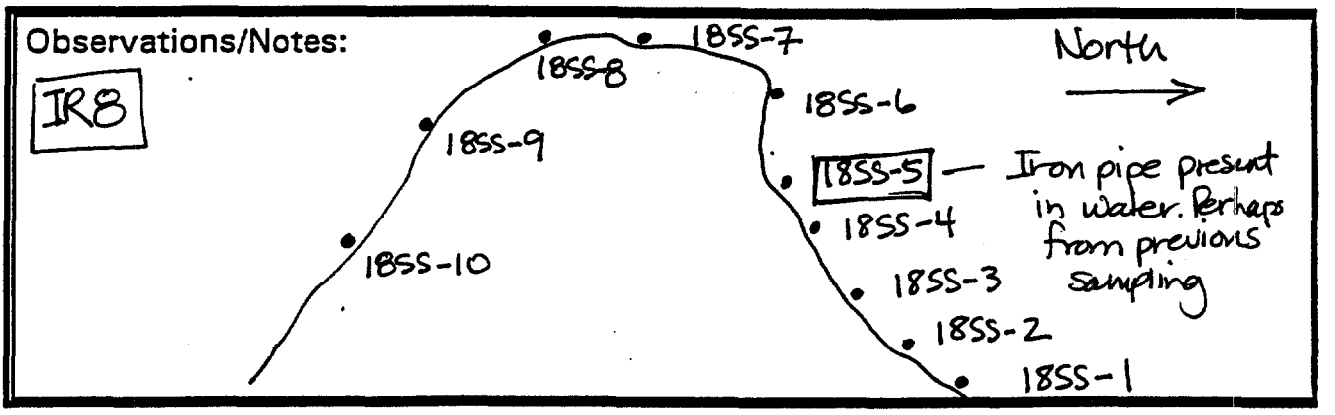
B&RE Sample Name: I8SS-5

Sample Source or Location: IR-8

3ft offshore

Sample Method: Stainless Steel Trowel & Bowl	Sample Date and Time: 08-18-96 1805
Sample Depth: 2ft	Color: Grey
Sampled By (Print): Paul Calligan	Sample Description: silty Sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals TAL	F609901K
Pest/PCB 8080	↓
Herb 8150	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	08-19-96 1730	1914380204

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of _

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

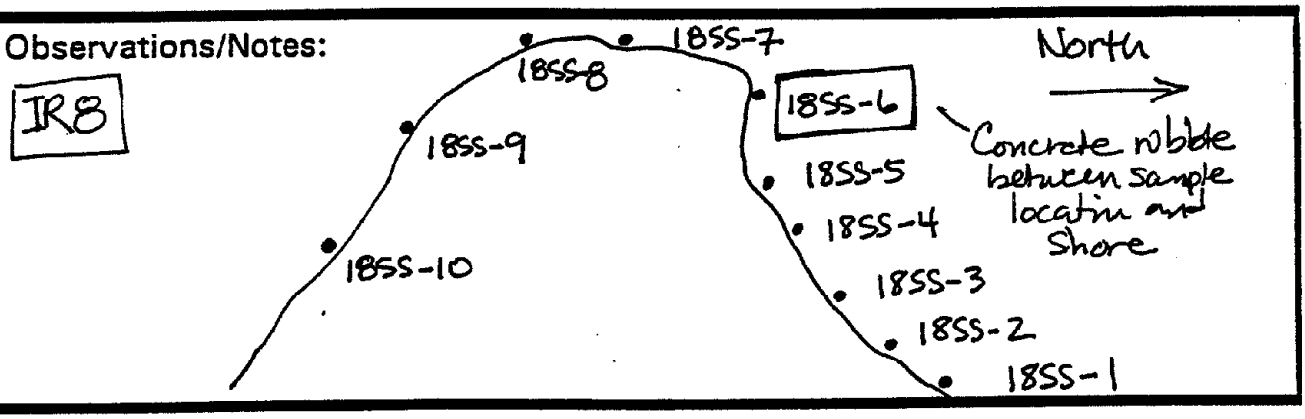
Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name 18SS-6 Sample Source or Location IR-8

5 feet from shore Erosion area.

Sample Method: Stainless Steel Trowel & Bowl	Sample Date and Time: 08-18-96 1820
Sample Depth: 1 ft.	Color: Dark Gray
Sampled By (Print): Paul Callagan	Sample Description: Silty Sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals TAL	F609901K
Pest/PCB 8080	↓
Herb 8150	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	08-19-96 1730	1914380204

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: NAS Key West

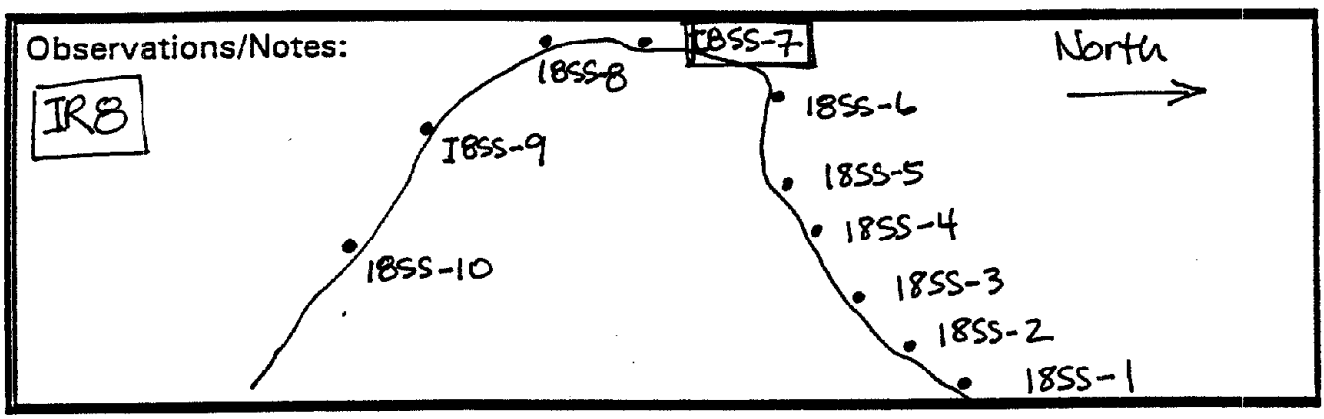
Project Site Number: 7046

B&RE Sample Name: I8SS-7 2ft off shore

Sample Source or Location: IR-8

Sample Method: Stainless Steel Trowel & Bowl	Sample Date and Time: 08-18-96 1615
Sample Depth: 0.5 ft	Color: Black
Sampled By (Print): Paul Callagan	Sample Description: Silt sediment w/ percent glass & cobblestones
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals TAL	F609901K
Pest/PCB 8080	↓
Herb 8150	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	08-19-96 1730	1914380204

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: NAS Key West

Project Site Number: 7046

B&RE Sample Name: I8SS-8 *

Sample Source or Location: IR-8

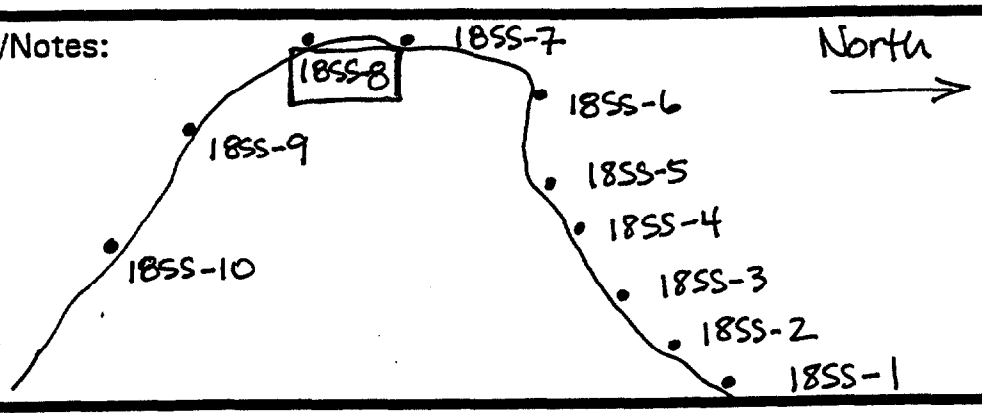
5ft offshore

* MS/MSD

Sample Method: Stainless Steel Trowel & Bowl	Sample Date and Time: 08-18-96 1600
Sample Depth: 1.5ft	Color: White-Yellow ~~Orange~~ (Dif)
Sampled By (Print): Paul Callison	Sample Description: fine Sand w/ cobbles
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:

IR8



Analyses

Analysis	Bottle Lot #
Metals TAL	f6099011K
Pest/PCB 8080	↓
Herb 8150	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	08-19-96 1730	1914380204

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: NAS Key West

Project Site Number: 7046

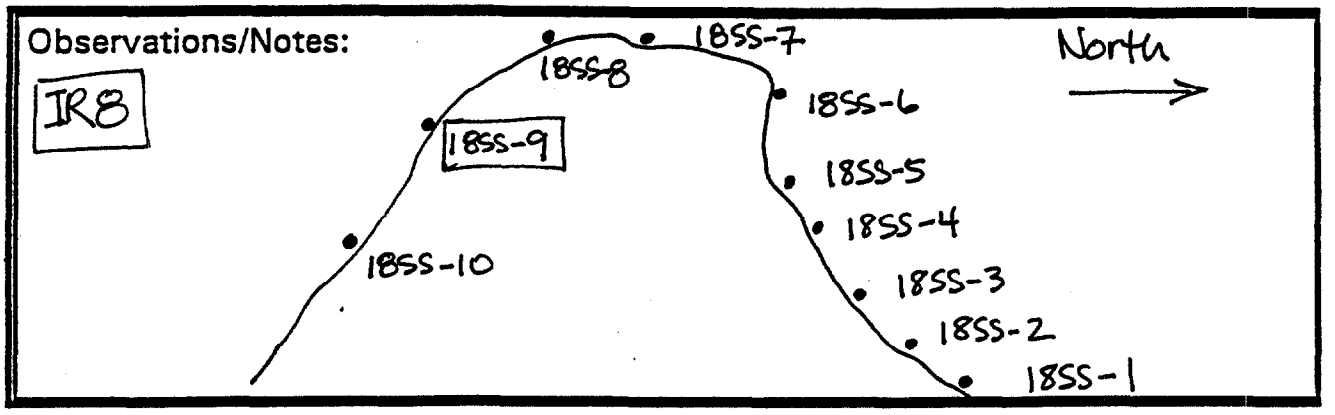
B&RE Sample Name: IBSS-9

Sample Source or Location: IR-8

5 ft offshore

Sample Method: Stainless Steel Trowel & Bowl	Sample Date and Time: 08-18-96 1520
Sample Depth: 1.5 ft	Color: Grey
Sampled By (Print): Paul Calligan	Sample Description: Sand w/ cobbles
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals TAL	F609901K
Pest/PCB 8080	↓
Herb 8150	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	08-19-96 1730	1914380204

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of _

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: NAS Key West

Project Site Number: 7046

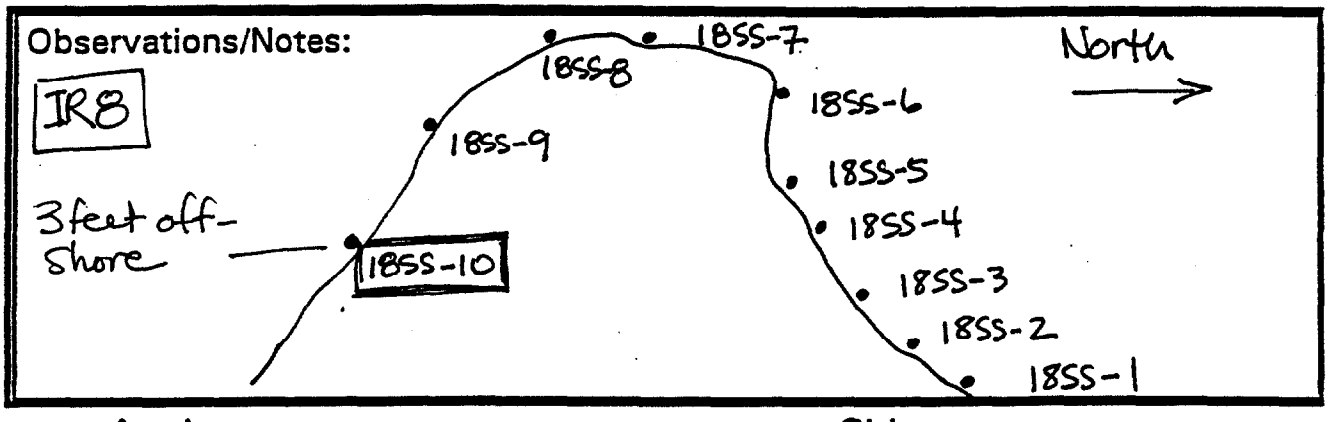
B&RE Sample Name: I8SS-10

Sample Source or Location: IR-8

3ft offshore

Sample Method: Stainless Steel Travel & Bowl	Sample Date and Time: 08-18-96 ~~10~~ 1505
Sample Depth: 2 ft	Color: White Grey
Sampled By (Print): Paul Callison	Sample Description: Sand w/ small cobbles
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
Metals TAL	F609901K
Pest/PCB 8080	↓
Herb 8150	

Shipment

Laboratory	Ship Date/Time	Airbill #
GFL	08-19-96 1730	1914380204

IR 8

GROUNDWATER SAMPLES

SAMPLE LOG SHEET

Brown & Root Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By S Flickinger

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: 18KMW-13R
Source Location: IR8

Total Well Depth:	27.0'
Well Stickup:	3.5'
Well Casing Size:	2" (DEF)
Static Water Level:	~~2.44~~ 12.1'
One Casing Volume:	2.44
Start Purge (hrs.):	1111
End Purge (hrs.):	1245 45
Total Purge Time (min.):	94
Total Amount Purged (gal.):	8gal
Monitoring Reading:	Øppm 1105 Øppm 1200
Purge Method:	Perastaltic
Sample Method:	Perastaltic
Depth Sampled:	17.0'
Sample Data & Time:	08-12-95 1250
Sampled By:	S. Flickinger
Signature(s):	D Scott Flickinger

Purge Data

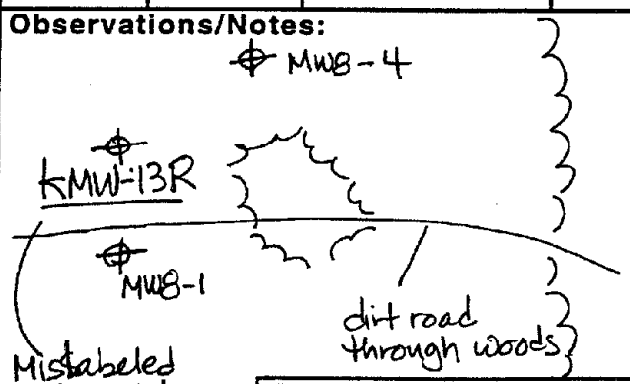
Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1gal	6.58	52.7	30.1	clear/0	0.68
2gal	6.57	52.7	30.1	clear/0	0.83
3gal	6.56	52.6	30.0	clear/0	0.83
4gal	6.61	52.8	30.1	clear/0	0.89
5gal	6.58	52.7	30.1	clear/0	0.86
6gal	6.58	52.8	30.1	clear/0	0.54
7gal	6.59	52.6	29.9	clear/0	1.25
8gal	6.62	52.9	30.1	clear/0	1.01

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
6.62	52.9	30.1	clear/0	1.01

Type of Sample
- ☐ Low Concentration
- ☐ High Concentration
- ☒ Grab
- ☐ Composite
- ☐ Grab - Composite

Observations/Notes:



Mistabeled with paint on ~~point~~ pkd. (BP)

Salinity
3.49
3.48
3.48
3.49
3.49
3.48
3.49
3.49
3.49

Analysis: (DEF)	Preservative:
Metals (~~2007~~)	HNO_3
PCB/Pesticides (8080)	—
Herbicides/Organo (8150)	—
HNO3.D	

Dup #	
MSMSD	☐
Air Bill #	0572016174
Date Shipped	8-12-96
Time Shipped	1800
Lab	GEL
Other	

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By TOM NICOTERA

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I8 KMW-14
Source Location: IR8

Total Well Depth:	13.72'
Well Stickup:	17"
Well Casing Size:	2"
Static Water Level:	6.68'
One Casing Volume:	1.15 gal
Start Purge (hrs.):	11:30
End Purge (hrs.):	12:33
Total Purge Time (min.):	63
Total Amount Purged (gal.):	5.77
Monitoring Reading:	0 PPM / 11:30
Purge Method:	PERASTALTIC
Sample Method:	PERASTALTIC
Depth Sampled:	11.5'
Sample Date & Time:	081196 / 12:40
Sampled By:	TOM NICOTERA
Signature(s):	Tom Nicotera

Purge Data

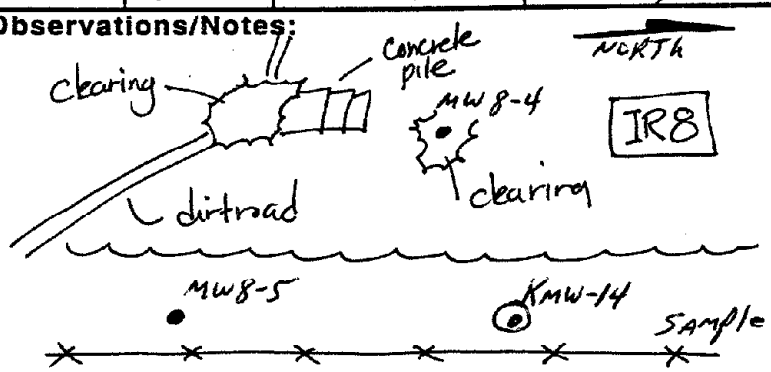
Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1	6.94	9.9	29.1	clear / 142	8.79
2	7.08	12.7	28.9	clear / 149	9.11
3	7.10	12.5	29.3	clear / 149	9.03
4	7.43	11.7	29.0	clear / 151	9.09
5	7.40	11.1	29.3	clear / 169	9.00
5.77	7.27	10.8	28.8	clear / 167	9.19

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.38	10.1	28.9	clear / 30	8.19

Type of Sample
- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Observations/Notes:



SAL.
0.57
0.73
0.72
0.67
0.64
0.61
0.58

Analysis:	Preservative:
8080 Pest/PCB	—
8150 Herb	—
~~200.7~~	~~HNO3~~ DSF
Metals ILM03.0	HNO3

Dup # ____
MSMSD ☐

Air Bill # 0572016174
Date Shipped 081296
Time Shipped 18:00
Lab GEL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By S. Flickinger

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: 18KMW-15
Source Location: IR8

Total Well Depth:	14.8'
Well Stickup:	
Well Casing Size:	2.0"
Static Water Level:	7.95'
One Casing Volume:	1 gal
Start Purge (hrs.):	1657
End Purge (hrs.):	1733
Total Purge Time (min.):	
Total Amount Purged (gal.):	
Monitoring Reading:	Ø ppm 1710, 1723, 1733
Purge Method:	Perastaltic
Sample Method:	Perastaltic
Depth Sampled:	12'
Sample Data & Time:	08-11-96 1735
Sampled By:	S. Flickinger
Signature(s):	Walt Flicky

Purge Data

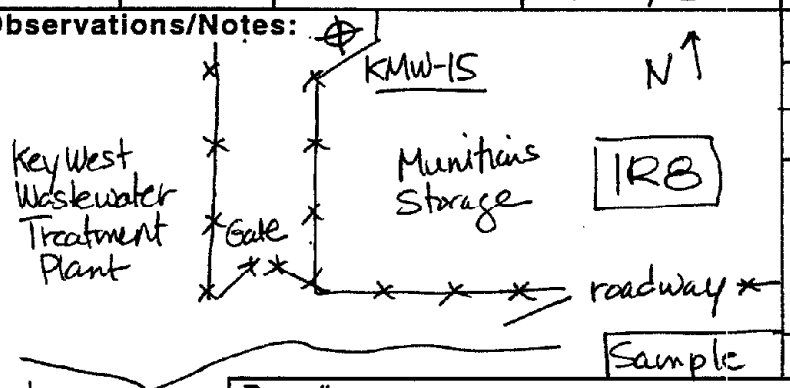
Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal	6.63	29.8	29.2	clear/107	8.02
2 gal	6.63	30.5	28.5	clear/0	8.42
3 gal	6.60	30.6	28.2	clear/0	8.55
4 gal	6.60	30.5	28.2	clear/0	8.60

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
6.60	30.6	28.2	clear/0	8.55

Type of Sample
- ☐ Low Concentration
- ☐ High Concentration
- ☒ Grab
- ☐ Composite
- ☐ Grab - Composite

Observations/Notes:



Sal.	
1.87	
1.91	
1.91	
Sample	1.91

Analysis: (DSF)	Preservative:
Metals ~~200.7~~	HNO_3
Pest/PCB 8080	—
Herb/Organo 8150	—
10 3.0	

Dup #	
MSMSD	☐
Air Bill #	0572016174
Date Shipped	8-12-96
Time Shipped	1800
Lab	GEL
Other	

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 2

By Tom NiccTeRA

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I8 KMW-16R
Source Location: IR8

Total Well Depth:	22.10'
Well Stickup:	44"
Well Casing Size:	2"
Static Water Level:	7.90'
One Casing Volume:	2.33 gal.
Start Purge (hrs.):	16:42
End Purge (hrs.):	19:15
Total Purge Time (min.):	153
Total Amount Purged (gal.):	11.64
Monitoring Reading:	0ppm/16:42
Purge Method:	peRASTAITIC
Sample Method:	peRASTAITIC
Depth Sampled:	13.5'
Sample Date & Time:	081196 / 19:15
Sampled By:	Tom NiccTeRA
Signature(s):	Tom Niccera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1	6.90	18.2	31.2	clear / 127	7.96
2	6.90	18.5	30.1	clear / 142	7.59
3	6.89	18.7	30.0	clear / 142	7.37
4	7.29	18.6	29.6	clear / 139	7.62
5	7.20	18.7	29.3	clear / 137	7.86
6	6.88	18.6	29.2	clear / 138	8.05
7	7.01	18.8	29.1	clear / 135	7.95
8	6.92	18.7	29.1	clear / 2	8.34
9	7.00	18.8	28.7	clear / 25	8.21
10	6.97	18.9	28.5	clear / 131	7.93
11	6.95	18.8	28.4	clear / 119	7.88

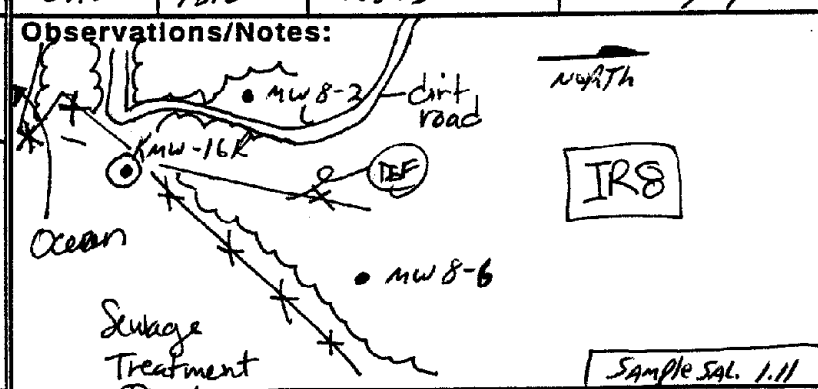
Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
6.93	18.5	28.3	clear / 9	8.11

Type of Sample
- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
8080 Pest/PCB	—
8150 Herb	—
~~200.7~~	~~HNO3~~ DSA
ILM03.0 Metals	HNO3

Observations/Notes:



SAL.
1.08
1.10
1.11
1.11
1.11
1.10
1.11
1.11
1.12
1.13
1.12

Dup #
MSMSD ☐

Air Bill # 0572016174
Date Shipped 081296
Time Shipped 18:00
Lab: GeL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 2 of 2

By Tom Nicotera

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I8 KMW-16R
Source Location: IR8

Total Well Depth:	22.10'
Well Stickup:	44"
Well Casing Size:	2"
Static Water Level:	7.90'
One Casing Volume:	2.33 gal
Start Purge (hrs.):	16:42
End Purge (hrs.):	19:15
Total Purge Time (min.):	153
Total Amount Purged (gal.):	11.64
Monitoring Reading:	0 ppm / 16:42
Purge Method:	peristaltic
Sample Method:	peristaltic
Depth Sampled:	13.5'
Sample Date & Time:	08 11 96 / 19:15
Sampled By:	Tom Nicotera
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
11.64	6.94	18.6	28.2	clear / 8	8.11

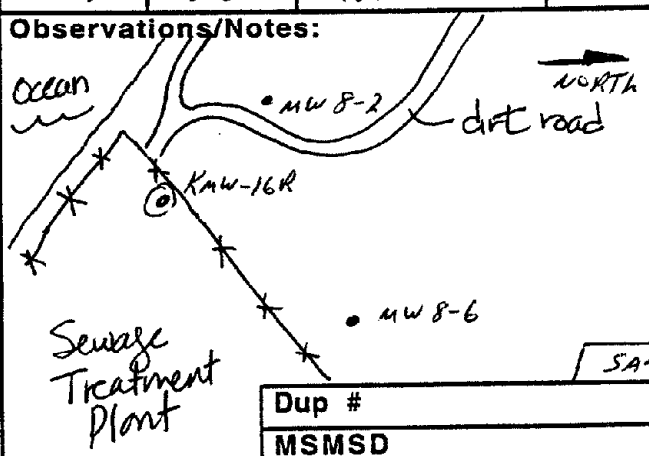
Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
6.93	18.5	28.3	clear / 9	8.11

Type of Sample
- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
8080 Pest/RB	—
8150 Herb	—
~~200.7~~	~~HNO3~~ DSF
ILM03.0 Metals	HNO3

Observations/Notes:



Sample SAL.	1.11
Dup #	
MSMSD	☐
Air Bill #	0572016174
Date Shipped	08 12 96
Time Shipped	18:00
Lab	GeL
Other	

SAMPLE LOG SHEET

Brown & Root Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By S. Flickinger

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: 18MW8-1
Source Location: IR8

Total Well Depth:	21.0'
Well Stickup:	3.5'
Well Casing Size:	2"
Static Water Level:	13.45
One Casing Volume:	1.24 gal
Start Purge (hrs.):	0850
End Purge (hrs.):	0932
Total Purge Time (min.):	42
Total Amount Purged (gal.):	4 gal
Monitoring Reading:	See below
	>1ppm 0925 1ppm 0945 @ pump tube
Purge Method:	Perastaltic
Sample Method:	Perastaltic
Depth Sampled:	19.0'
Sample Data & Time:	08-12-96 0934
Sampled By:	Scott Flickinger
Signature(s):	Scott Flickinger

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal	6.68	40.9	27.9	lgt. yellow / 6	1.37
2 gal	6.65	40.9	28.2	lgt. yellow / 3	0.74
3 gal	6.67	40.9	28.3	lgt. yellow / 2	0.63
4 gal	6.66	40.9	28.3	lgt. yellow / 1	0.65

Sample Data

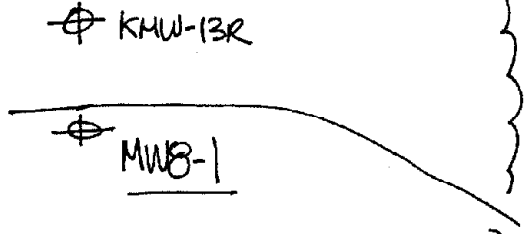
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
6.66	40.9	28.3	lgt yellow / 1	0.65

Type of Sample

☐ Low Concentration
☐ High Concentration
☒ Grab
☐ Composite
☐ Grab - Composite

Analysis:	Preservative:
Metals ~~200.7~~ 6010 3.0	HNO_3
PCB/Pest 8080	—
Herb/Org 8150	—

Observations/Notes:



Sal.
2.66
2.65
2.64
2.64
2.64

200 ppm @ sample bottle 0945

Sample

Dup #	
MSMSD	☐
Air Bill #	0572016174
Date Shipped	8-12-96
Time Shipped	1800
Lab	GEL
Other	

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By Tom Nicotera

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I8 MW8-2
Source Location: IR8

Total Well Depth:	16.30'
Well Stickup:	34"
Well Casing Size:	2"
Static Water Level:	5.50'
One Casing Volume:	1.77 gal.
Start Purge (hrs.):	16:50
End Purge (hrs.):	17:40
Total Purge Time (min.):	50
Total Amount Purged (gal.):	5.31
Monitoring Reading:	0 ppm/beginning 16:50
Purge Method:	peristaltic
Sample Method:	peristaltic
Depth Sampled:	7'
Sample Date & Time:	081296 / 17:50
Sampled By:	Tom Nicotera
Signature(s):	Tom Nicotera

Purge Data

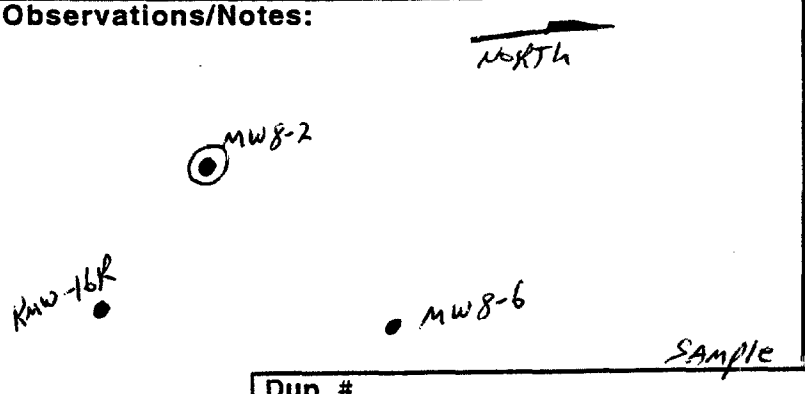
Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1	7.01	15.9	29.2	clear / 57	0.94
2	6.97	17.0	28.7	clear / 132	8.18
3	6.95	17.0	28.4	clear / 15	1.16
4	6.97	17.1	28.3	clear / 9	8.35
5	6.98	17.2	28.1	clear / 8	0.91
5.31	6.97	17.1	28.2	clear / 8	0.90

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
6.96	17.1	28.1	clear / 7	0.91

Type of Sample
- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Observations/Notes:



SAL.
0.99
1.00
1.00
1.00
1.00
1.00
1.00

Analysis:	Preservative:
8080 Pest/PCB	—
8150 Herb	—
~~200.7~~	HNO3 (DSF)
ILM03.0 Metals	HNO3

Dup #	
MSMSD	☒
Air Bill #	1914374991
Date Shipped	08/14/96
Time Shipped	1745
Lab	GeL
Other	

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By TOM NICOTERA

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I8MW8-3
Source Location: IR8

Total Well Depth:	17.32'
Well Stickup:	29"
Well Casing Size:	2"
Static Water Level:	10.42'
One Casing Volume:	1.13 gal.
Start Purge (hrs.):	08:42
End Purge (hrs.):	09:30
Total Purge Time (min.):	52
Total Amount Purged (gal.):	3.39
Monitoring Reading:	800 ppm/08:42 4 ppm/09:00
Purge Method:	PERASTALTIC
Sample Method:	PERASTALTIC
Depth Sampled:	12'
Sample Date & Time:	081296 / 09:30
Sampled By:	TOM NICOTERA
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1	6.30	17.7	27.1	clear / 183	0.92
2	6.58	18.2	27.3	clear / 91	7.90
3	6.70	18.3	27.4	clear / 94	7.83
3.39	6.76	18.5	27.5	clear / 47	1.22

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
6.74	18.4	27.4	clear / 50	1.24

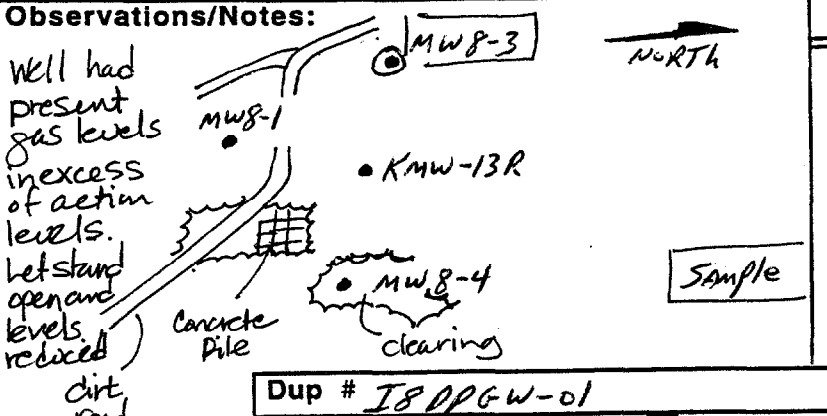
Type of Sample

☐ Low Concentration
☐ High Concentration
☑ Grab
☐ Composite
☐ Grab - Composite

Analysis:	Preservative:
8080 Pest/PCB	—
8150 Herb	—
~~200.7~~	~~HNO3~~ DSF
ILM03.0 Metals	HNO3

Observations/Notes:

Well had present gas levels in excess of action levels. Left stand open and levels reduced



SAL
1.06
1.07
1.08
1.09
1.10

Dup # I8DPGW-01
MSMSD ☐

Air Bill # 0572016174
Date Shipped 081296
Time Shipped 18:00
Lab: GeL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By Tom Nicolera

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I8DPGW-01
Source Location: IR8

Total Well Depth:	Refer to 18MW8-3
Well Stickup:	
Well Casing Size:	
Static Water Level:	
One Casing Volume:	
Start Purge (hrs.):	
End Purge (hrs.):	
Total Purge Time (min.):	
Total Amount Purged (gal.):	
Monitoring Reading:	
Purge Method:	
Sample Method:	
Depth Sampled:	
Sample Data & Time:	08-12-96 / 0930
Sampled By:	Tom Nicolera
Signature(s):	

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
	Refer to		18MW8-3		

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
6.74	18.4	27.4	Clear / 50	1.24
			Salinity	1.10

Observations/Notes:

Refer to 18MW8-3
Duplicate of 18MW8-3

Type of Sample
- ☐ Low Concentration
- ☐ High Concentration
- ☒ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
Metals TAL	HNO3
Pest/PCB 8080	—
Herb 8150	—

Dup #
MSMSD ☐

Air Bill # 0572016174
Date Shipped 08-12-96
Time Shipped 1800
Lab GEL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By Tom Nicotera

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I8 MW8-4
Source Location: IR8

Total Well Depth:	15.50'
Well Stickup:	4"
Well Casing Size:	2"
Static Water Level:	6.50'
One Casing Volume:	1.48 gal.
Start Purge (hrs.):	11:15
End Purge (hrs.):	12:10
Total Purge Time (min.):	55
Total Amount Purged (gal.):	4.43
Monitoring Reading:	8000 ppm / 11:15 TOC
	Breathing Zone = 0-2 ppm
Purge Method:	peristaltic
Sample Method:	peristaltic
Depth Sampled:	8'
Sample Date & Time:	081296 / 12:15
Sampled By:	Tom Nicotera
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1	7.01	14.6	31.1	clear / 78	7.94
2	7.00	15.2	30.4	clear / 102	8.14
3	7.01	15.2	30.3	clear / 16	0.76
4	7.10	15.3	30.2	clear / 149	7.34
4.43	7.10	15.0	30.3	clear / 104	7.21

Sample Data

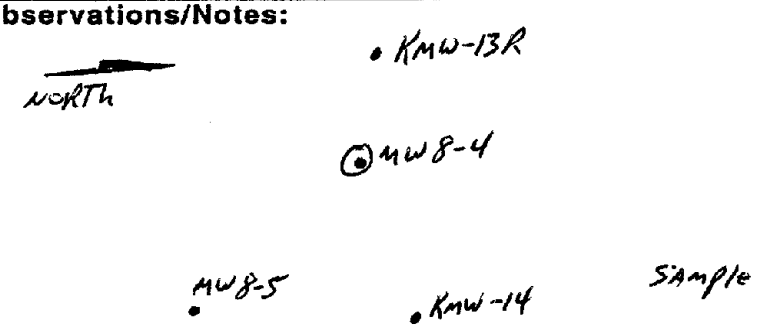
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.10	15.1	30.2	clear / 106	7.23

Type of Sample

☐ Low Concentration
☐ High Concentration
☑ Grab
☐ Composite
☐ Grab - Composite

Analysis:	Preservative:
8080 Pest/PCB	—
8150 Herb	—
~~200.7~~	~~HNO3~~ DSF
ILM03.0 Metals	HNO3

Observations/Notes:



SAL
0.86
0.87
0.87
0.88
0.87
0.87

Dup # _____
MSMSD ☐

Air Bill # 0572016174
Date Shipped 081296
Time Shipped 18:00
Lab GeL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☒ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By S. Flickinger

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: 18MW8-5
Source Location: IR8

Total Well Depth:	18.75'
Well Stickup:	3.5'
Well Casing Size:	2"
Static Water Level:	8.65'
One Casing Volume:	1.15 gal
Start Purge (hrs.):	1115
End Purge (hrs.):	1213
Total Purge Time (min.):	58.
Total Amount Purged (gal.):	5
Monitoring Reading:	Ø ppm 1030
Purge Method:	Peristaltic
Sample Method:	Peristaltic
Depth Sampled:	17'
Sample Data & Time:	08-11-96 1213
Sampled By:	Scott Flickinger
Signature(s):	[signature]

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1l	6.66	46.7	28.2	Clear / 4	1.45
1gal	6.70	44.3	28.3	clear / 2	1.49
2gal	6.66	39.0	28.1	clear / 3	0.61
3gal	6.68	37.6	28.4	clear / 2	0.84
4gal	6.74	37.1	29.1	clear / 2	0.97
5gal	6.75	36.8	29.1	clear / 2	1.00

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
6.75	36.8	29.1	clear / 2	1.01

Type of Sample

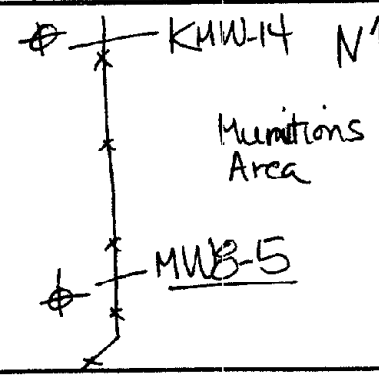
☐ Low Concentration
☐ High Concentration
☒ Grab
☐ Composite
☐ Grab - Composite

Analysis: (DSF)	Preservative:
Metals 200.4/8.8	HNO3
PCB/Pest 8080	—
Herb/Organo 8150	—

Observations/Notes:

Sal.
~~3.45~~ (DSF)
3.05
2.88
2.50
2.40
2.36
2.34

IR8 Woods Sample



Dup #
MSMSD ☐

Air Bill # 0572016174
Date Shipped 8-12-96
Time Shipped 1800
Lab GEL
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By Tom Nicotera

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: I8 MW8-6
Source Location: IR8

Total Well Depth:	21.55'
Well Stickup:	35"
Well Casing Size:	2"
Static Water Level:	9.15'
One Casing Volume:	2.03 gal.
Start Purge (hrs.):	14:35
End Purge (hrs.):	15:53
Total Purge Time (min.):	78
Total Amount Purged (gal.):	6.10
Monitoring Reading:	2 ppm / 14:35
Purge Method:	PERASTALTIC
Sample Method:	PERASTALTIC
Depth Sampled:	11'
Sample Date & Time:	081296 / 16:00
Sampled By:	Tom Nicotera
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1	6.94	15.3	30.8	clear / 17	7.85
2	6.97	14.9	30.0	clear / 14	0.77
3	7.07	14.8	29.9	clear / 8	0.79
4	7.12	14.8	29.8	clear / 5	1.01
5	7.14	14.8	29.7	clear / 5	1.00
6	7.16	14.8	29.7	clear / 4	1.05
6.10	7.15	14.8	29.7	clear / 4	1.00

Sample Data

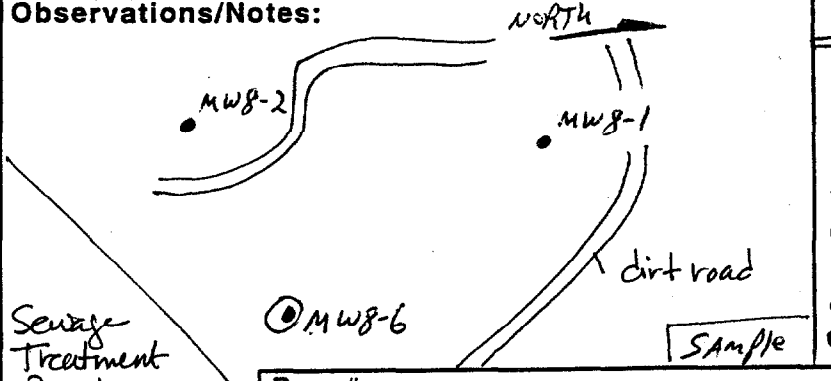
pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.14	14.8	29.6	clear / 4	0.99

Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
8080 Pest/PCB	—
8150 HerD	—
~~200.7~~	HNO3 (DSF)
ILM03.0 Metals	HNO3

Observations/Notes:



SAL.
0.89
0.86
0.85
0.85
0.85
0.85
0.85
0.85

Dup #
MSMSD ☒

Air Bill # 0572016174
Date Shipped 081296
Time Shipped 18:00
Lab GeL
Other

AOC-B

SEDIMENT SAMPLES

Brown & Root Environmental

SAMPLE LOG SHEET

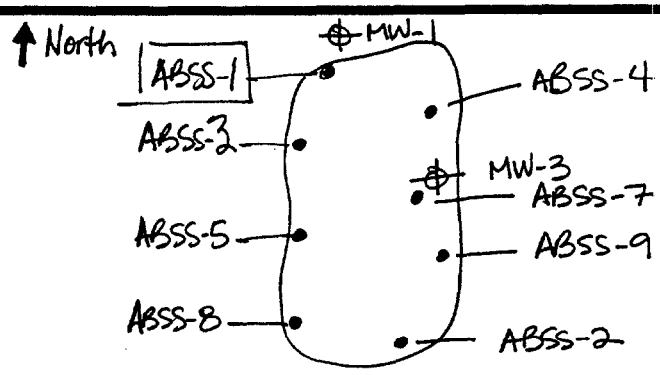
- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name ABSS-1 Sample Source or Location AOC-B

Sample Method: Stainless Steel Bowl and Trowel	Sample Date and Time: 09-17-96 1330
Sample Depth: 0-2"	Color: Black
Sampled By (Print): Scott. ~~Tom Nicotera~~ Flickinger	Sample Description: extra fine to medium grain silty Sand
Sampled By (Signatures): [signature]	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes: AOC-B
Sample taken in 2-4" of water.



Analyses

Analysis	Bottle Lot #
Pest/PCB 8080	F609901K
Herb 8150	↓
Metal ILM03.0	↓
Cyanide 335.1	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	09-17-96 1745	1914373300

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: NAS Key West

Project Site Number: 7046

B&RE Sample Name: ABDPSS
Duplicate to ABSS-1

Sample Source or Location: AOC-B

Sample Method: Stainless Steel Bowl and Trowel	Sample Date and Time: 09-17-96 1330
Sample Depth: 0-2"	Color: Black
Sampled By (Print): Scott Flickinger	Sample Description: extrafine to medium grain silty Sand
Sampled By (Signatures): Scott Flickinger	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☐ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☐ Grab

Observations/Notes:

Duplicate of ABSS-1. Refer to ABSS-1 Log Sheet.
Sample taken in 2-4" of water

Analyses

Analysis	Bottle Lot #
PCB/Pest 8080	F609901K
Herb 8150	↓
Metal ILM03.0	↓
Cyanide 335.1	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	09-17-96 1745	1914373300

Brown & Root Environmental

SAMPLE LOG SHEET

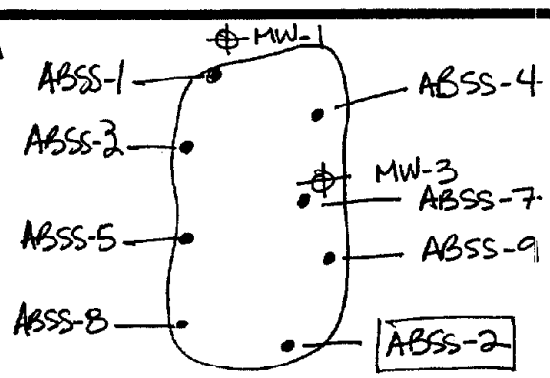
- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: NAS Key West Project Site Number: 7046

B&RE Sample Name: ABSS-2 Sample Source or Location: AOC-B

Sample Method: Stainless Steel Bowl and Trowel	Sample Date and Time: 09-17-96 1420
Sample Depth: 0-2"	Color: Black
Sampled By (Print): Tom Nicotera	Sample Description: extra fine to medium grain silty Sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes: AOC-B
Sample taken in 1ft of standing water.



Analyses

Analysis	Bottle Lot #
Pest/PCB 8080	F609901K
Herb 8150	
Metal ILM03.0	↓
Cyanide 335.1	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	09-17-96 1745	1914373300

Brown & Root Environmental

SAMPLE LOG SHEET

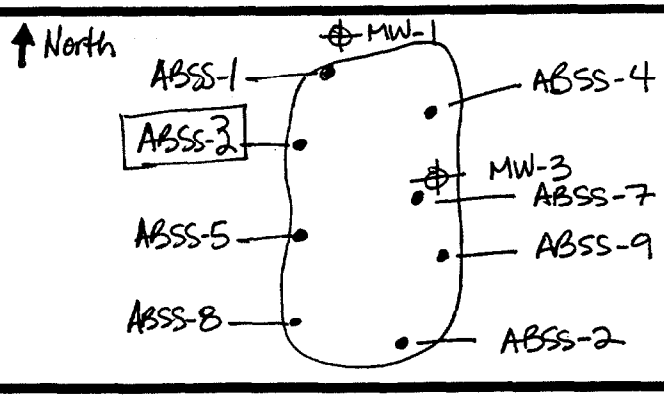
- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: NAS Key West Project Site Number: 7046

B&RE Sample Name: ABSS-3 Sample Source or Location: AOC-B

Sample Method: Stainless Steel Bowl and Trowel	Sample Date and Time: 09-17-96 1250
Sample Depth: 0-2"	Color: Black
Sampled By (Print): Tom Nicotera	Sample Description: extra fine to medium grain silty Sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes: AOC-B
Sample taken in 4"-6" of water



Analyses

Analysis	Bottle Lot #
Pest/PCB 8080	F609901K
Herb 8150	↓
Metal ILM03.0	↓
Cyanide 335.1	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	09-17-96 1745	1914373300

Brown & Root Environmental

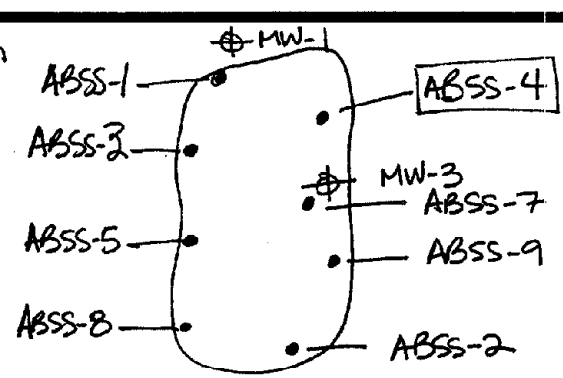
SAMPLE LOG SHEET

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample Name: ABSS-4
Sample Source or Location: AOC-B

Sample Method: Stainless Steel Bowl and Trowel	Sample Date and Time: 09-17-96 1400
Sample Depth: 0-2"	Color: Black
Sampled By (Print): Tom Nicotera	Sample Description: extra fine to medium grain silty sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes: AOC-B
Sample taken in 2-4" of water.



Analyses

Analysis	Bottle Lot #
Pest/PCB 8080	F609961K
Herb 8150	↓
Metal ILM03.0	
Cyanide 335.1	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	09-17-96 1745	1914373300

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

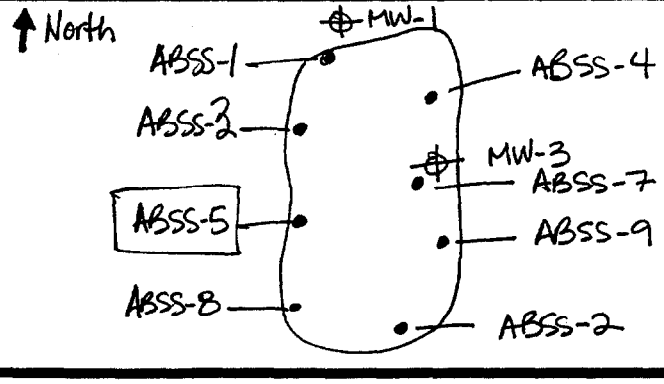
- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name ABSS-5 Sample Source or Location AOC-B

Sample Method: Stainless Steel Bowl and Trowel	Sample Date and Time: 09-17-96 1255
Sample Depth: 0-2"	Color: Black
Sampled By (Print): Tom Nicotera	Sample Description: extra fine to medium grain silty Sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes: AOC-B
Sample taken in 2-4" of water.



Analyses

Analysis	Bottle Lot #
Pest/PCB 8080	F609901K
Herb 8150	↓
Metal ILM03.0	↓
Cyanide 335.1	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	09-17-96 1745	1914373300

Brown & Root Environmental

SAMPLE LOG SHEET

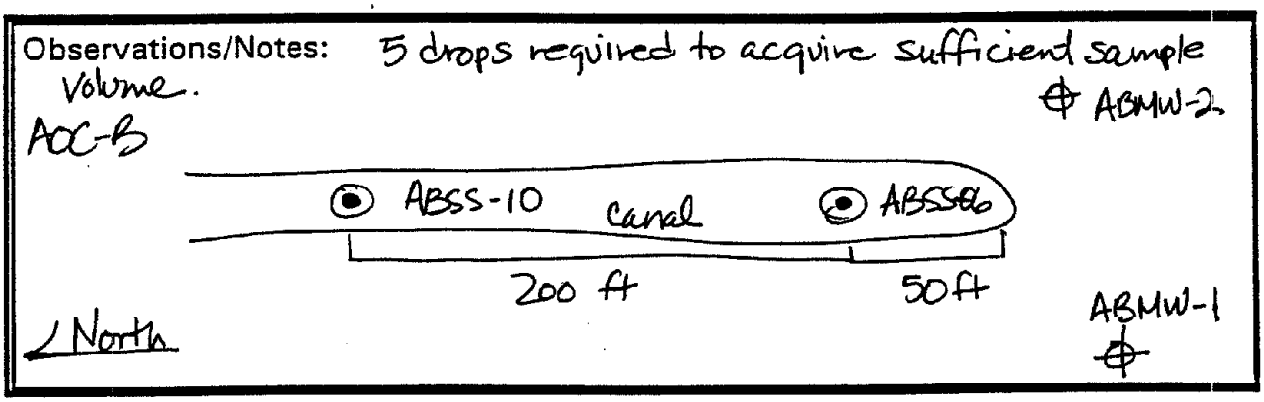
- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name ABSS-06 Sample Source or Location AOC-B

Sample Method: Petite Ponar	Sample Date and Time: 10-02-96 1620
Sample Depth: 12.5 ft	Color: Gray
Sampled By (Print): Scott Flickinger	Sample Description: Silty Sand
Sampled By (Signatures): [signature]	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☐ Grab

Observations/Notes: 5 drops required to acquire sufficient sample volume.



Analyses

Analysis	Bottle Lot #
Metals ILM03.0	C505401K
Cyanide 335.1	C505401K
Pest/PCB 8080	H531001K
Herbicide 8150	H531001K
PB	F609901K

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-03-96/1700	1914373226

Brown & Root Environmental

SAMPLE LOG SHEET

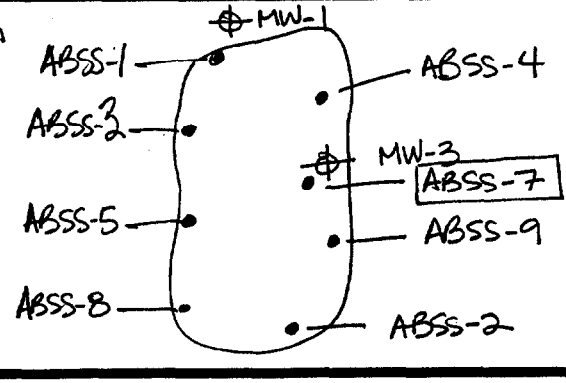
- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: NAS Key West Project Site Number: 7046

B&RE Sample Name: ABSS-7 Sample Source or Location: AOC-B

Sample Method: Stainless Steel Bowl and Trowel	Sample Date and Time: 09-17-96 1405
Sample Depth: 0-2"	Color: Black
Sampled By (Print): Tom Nicotera	Sample Description: extra-fine to medium grain silty Sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes: AOC-B
Sample taken in 2-4" of water.



Analyses

Analysis	Bottle Lot #
Pest/PCB 8080	F6090901K
Herb 8150	↓
Metal ILM03.0	↓
Cyanide 335.1	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	09-17-96 1745	1914373300

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

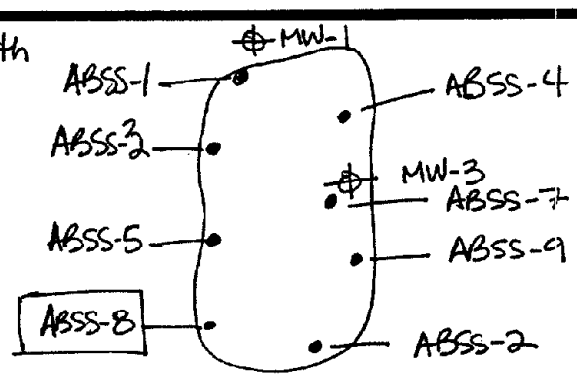
- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name ABSS-8 Sample Source or Location AOC-B

Sample Method: Stainless Steel Bowl and Trowel	Sample Date and Time: 09-17-96 1310
Sample Depth: 0-2"	Color: Black
Sampled By (Print): Tom Nicotera	Sample Description: extra fine to medium grain silty Sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes: AOC-B
Sample taken in 1 ft of water.



Analyses

Analysis	Bottle Lot #
Pest/PCB 8080	F60990K
Herb 8150	↓
Metal ILM03.0	↓
Cyanide 335.1	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	09-17-96 1745	1914373300

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

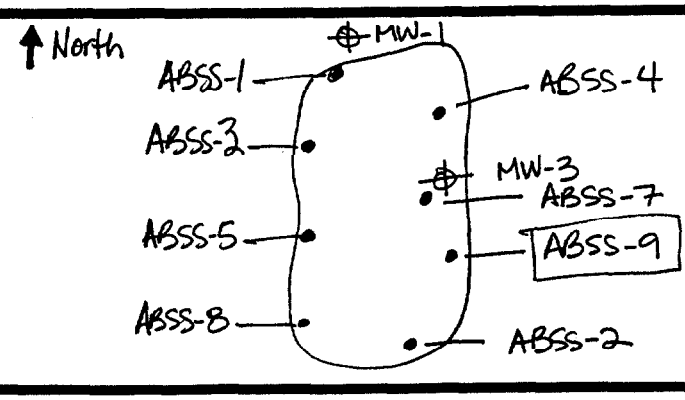
Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name ABSS-9 Sample Source or Location AOC-B

Sample Method: Stainless Steel Bowl and Trowel	Sample Date and Time: 09-17-96 1410
Sample Depth: 0-2"	Color: Black
Sampled By (Print): Tom Nicotera	Sample Description: extra fine to medium grain silty sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☐ Composite ☒ Grab

Observations/Notes: AOC-B

Sample taken in 4"-6" of water.



Analyses

Analysis	Bottle Lot #
Pest/PCB 8080	
Herb 8150	
Metal ILM03.0	
Cyanide 335.1	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	09-17-96 1745	1914373300

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

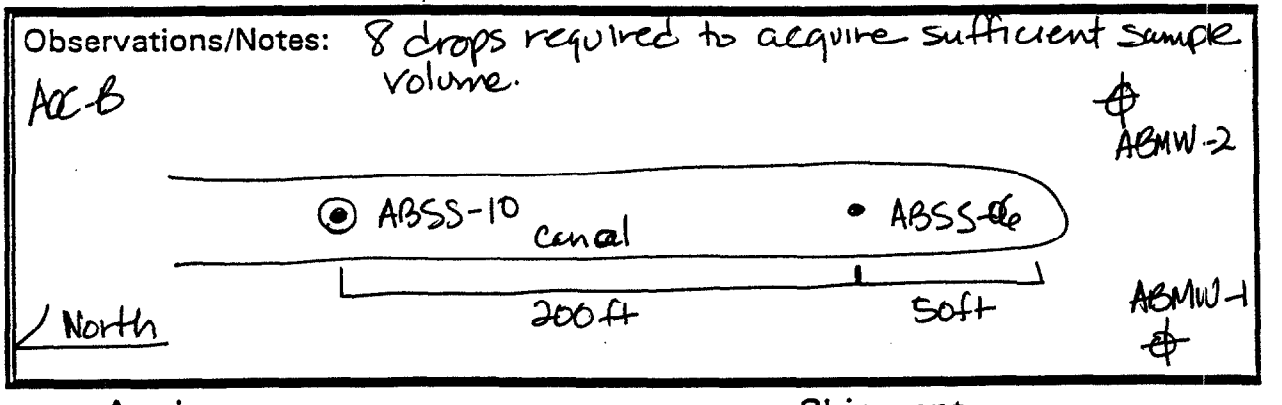
- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name ABSS-10 Sample Source or Location AOC-B

Sample Method: Petite Ponar	Sample Date and Time: 10-02-96 ~~1620~~ 1710 (DSF)
Sample Depth: 12.5 ft	Color: Grey ~~Silty Sand~~ (DSF)
Sampled By (Print): Scott Flickinger	Sample Description: Silty Sand
Sampled By (Signatures): Scott Flickinger	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☐ Grab

Observations/Notes: 8 drops required to acquire sufficient sample volume.



Analyses

Analysis	Bottle Lot #
Metals ILM03.0	C50540K
Cyanide 335.1	↓
Pest/PCB 8080	H531001K
Herbicide 8150	↓
(DSF)	F609901K

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-03-96/1700	1914373226

AOC-B

SURFACE WATER SAMPLES

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name: NAS Key West

Project Site Number: 7046

B&RE Sample Name: ABSW-1

Sample Source or Location: AOC-B

Surface Water Data

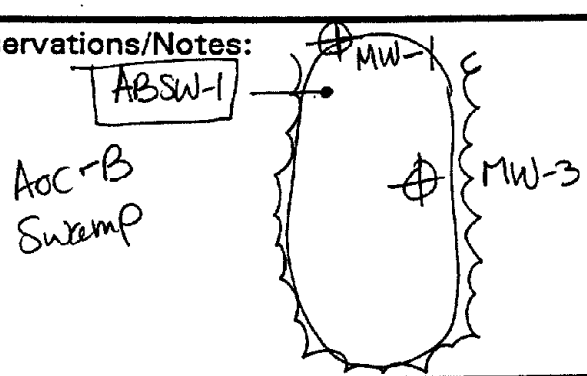
pH	Temp. (°C)	Dissolv. O_2	Color / Turb	Elect. Conduct.(mS/cm)	Sal.
7.92	35.5	4.72	Orange / 15	45.1	2.89

Sample Date and Time: 09-14-96 1440

Sampled By (Print): Tom Nicotera

Sampled By (Signatures):

Observations/Notes:



Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
PCB/Pest	—	H53100K	GEL	09-16-96 1700	1914373322
Herb/Organo	—	↓			
Metals	HNO3	C50540K			
Cyanide	NaOH	↓			

COC # 9

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name NASKeyWest

Project Site Number 7046

B&RE Sample Name ABSW-2

Sample Source or Location AOC-B

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color Turb	Elect. Conduct.(mS/cm)	Sal
8.40	30.1	5.02	11	48.9	3.20

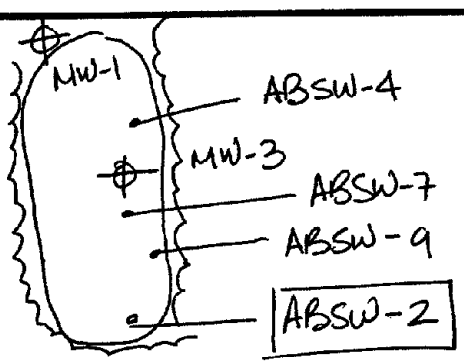
Sample Date and Time: 09-14-96 1105

Sampled By (Print): Tom Nicotera

Sampled By (Signatures):

Observations/Notes:

AOC-B Swamp



Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
PCB/Pest	—	H531001K	GEL	09-14-96 1300	7455334342
Herb/Organo	—	↓			
Metals	HNO_3	H505401K			
Cyanide	NaOH	↓			
			COC # 8		

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

☒ Surface Water
☐ Water QA/QC Blank Sample
- ☐ Trip Blank
- ☐ Rinsate Blank
- ☐ Field Blank
- ☐ Ambient Condition Blank

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample Name: ABSW-~~2~~ 3 (DSF)
Sample Source or Location: AOCB

Surface Water Data

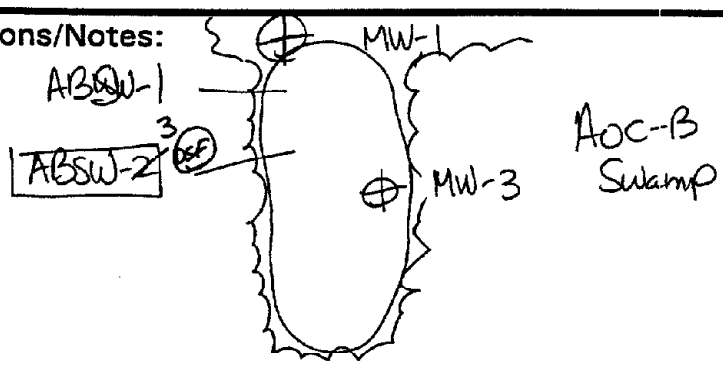
pH	Temp. (°C)	Dissolv. O_2	Color / Turb	Elect. Conduct.(mS/cm)	Sal
7.99	36.9	7.14	Orange 11	46.3	2.96

Sample Date and Time: 09-14-96 1450

Sampled By (Print): Tom Nicotera

Sampled By (Signatures):

Observations/Notes:



Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
PCB/Pest	—	H5 310011K	GEL	09-16-96 1700	1914373322
Herb/organo	—	↓			
Metals	HNO_3	C505401K			
Cyanide	NaOH	↓			

COC # 9

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

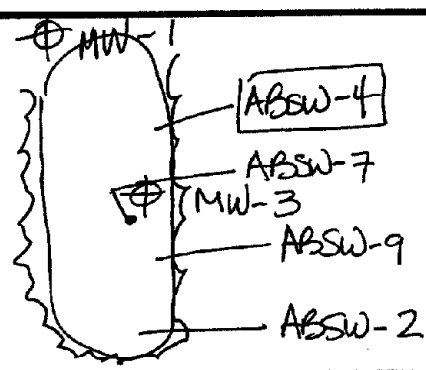
Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name ABSW-4 Sample Source or Location AOC-B

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color Turb	Elect. Conduct.(mS/cm)	Turb (DSF)	Sal
7.41	26.9	1.80	~~Clear~~ orange tint / 6	~~4.81~~ (DSF) 4.81	/6	3.14

Sample Date and Time:	Observations/Notes:
09-14-96 10:05	AOC-B Swamp
Sampled By (Print): Tom Nicotera	
Sampled By (Signatures):	



Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
PCB/Pest	—	H531001K	GEL	09-14-96 1300	7455334342
Herb/Organo	—	↓			
Metals	HNO_3	C505401K			
Cyanide	NaOH	↓			

COC # 8

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name: NAS Key West

Project Site Number: 7046

B&RE Sample Name: ABSW-5

Sample Source or Location: AOC-B

Surface Water Data

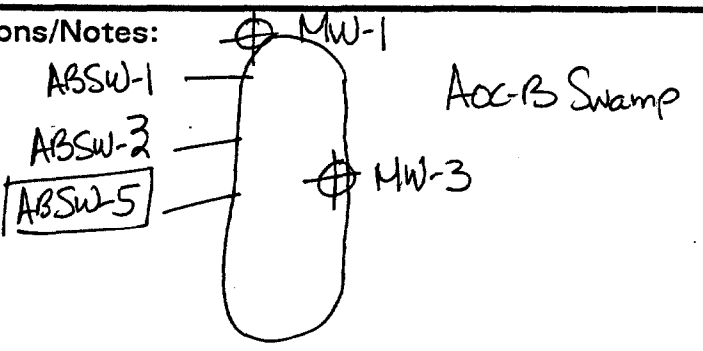
pH	Temp. (°C)	Dissolv. O_2	Color / Turb	Elect. Conduct.(mS/cm)	Sal
7.78	35.3	3.65	Orange 9	51.3	3.35

Sample Date and Time: 09-14-96 1500

Sampled By (Print): Tom Nicotera

Sampled By (Signatures):

Observations/Notes:



Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
PCB/Pest	—	H531001K	GEL	09-16-96 1700	1914373322
Herb/organo	—	↓			
Metals	HNO_3	C505401K			
Cyanide	NaOH	↓			

COC # 9

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name NAS Key West

Project Site Number 7046

B&RE Sample Name ABSW-7

Sample Source or Location AOC-B

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color Turb.	Elect. Conduct.(mS/cm)	Sal
7.93	31.6	3.12	7	49.2	3.23

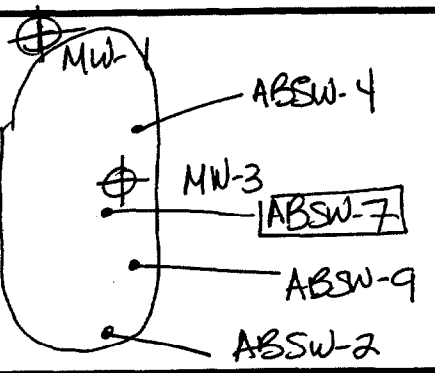
Sample Date and Time: 09-14-96 1040

Sampled By (Print): Tom Nicotera

Sampled By (Signatures):

Observations/Notes:

AOC-B swamp



Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
PCB/Pest	—	H531001K	GEL	09-14-96 1300	7455334342
Herb/Organo	—	↓			
Metals	HNO_3	C505401K			
Cyanide	NaOH	↓			
			COC # 8		

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name ABSW-8 Sample Source or Location AOC-B

Surface Water Data

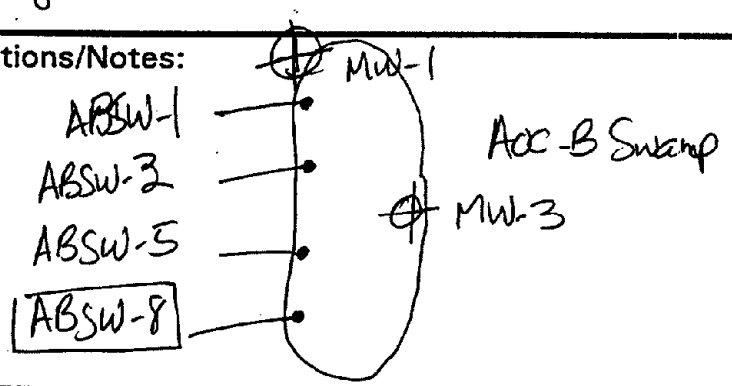
pH	Temp. (°C)	Dissolv. O_2	Color / Turb	Elect. Conduct.(mS/cm)	Sal
8.69	38.4	9.61	Orange 6	49.5	3.19

Sample Date and Time: 9-14-96 1515

Sampled By (Print): Tom Nicotera

Sampled By (Signatures):

Observations/Notes:



Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
PCB/Pest	—	H531001K	GEL	09-14-96 1700	1914373322
Herb/Organo	—	↓			
Metals	HNO_3	C505401K			
Cyanide	NaOH	↓			

COC # 9

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name NAS Key West Project Site Number _____

B&RE Sample Name ABSW-9 Sample Source or Location AOC-B

Surface Water Data

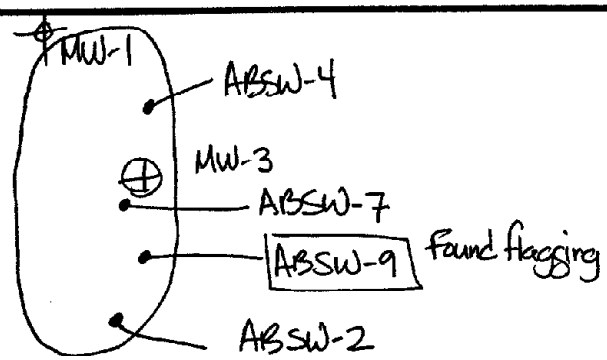
pH	Temp. (°C)	Dissolv. O_2	Color / Turb	Elect. Conduct.(mS/cm)	Sal
8.56	30.6	7.59	clear / 6	49.2	3.19

Sample Date and Time: 09-14-96 1050

Sampled By (Print): Tom Nicotera

Sampled By (Signatures):

Observations/Notes: AOC-B Swamp



Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
PCB/Pest	—	H531001K	GEL	09-14-96 1300	7455334342
Herb/Organo	—	↓			
Metal	HNO_3	C505401K			
Cyanides	NaOH	↓			

COC # 8

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name ABSW-6 * Sample Source or Location AOC-B

Surface Water Data

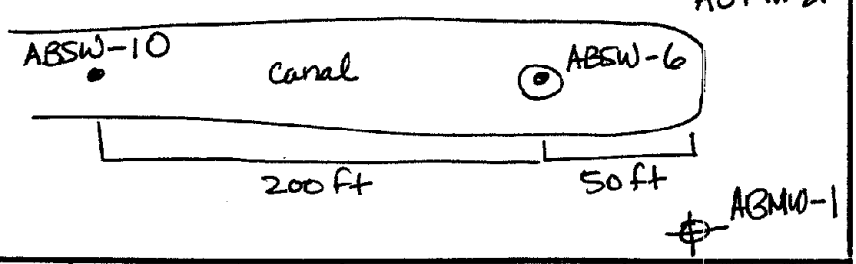
pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)	Salinity
7.90	30.0	3.94	Clear / -10	47.7	3.12

Sample Date and Time: 10-02-96 1600

Sampled By (Print): Tom Nicotera

Sampled By (Signatures):

Observations/Notes: * MS/MSD
AOC-B



Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
Metals TAL	HNO3	C505401K	GEL	10-03-96/1700	1914373226
Cyanide 335.1	NAOH	↓			
PCB/Pest 8080	—	H531001K			
Herbicide 8150	—	↓			

COC # 16

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name ABSW-10 Sample Source or Location AOC-B

Surface Water Data

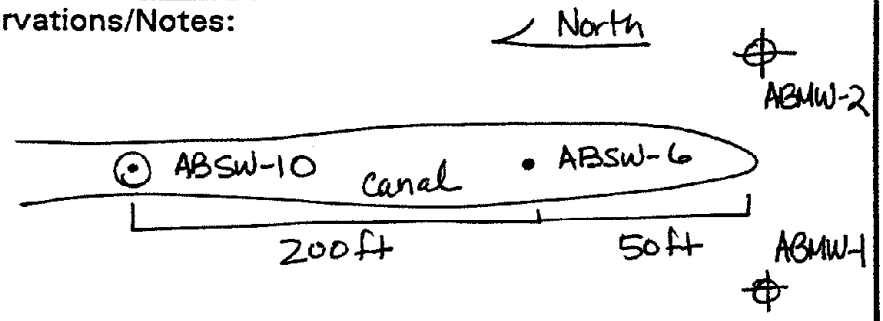
pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)	Salinity
7.93	30.0	4.39	Clear/-10	47.7	3.13

Sample Date and Time: 10-02-96 1650

Sampled By (Print): Tom Nicotera

Sampled By (Signatures):

Observations/Notes:



Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
Metals TAL	HNO_3	C505401K	GEL	10-03-96/1700	1914373226
Cyanide 335.1	NaOH	↓			
PCB/Pest 8080	—	HS31001K			
Herbicide 8150	—	↓			

COC # 16

AOC-B

GROUNDWATER SAMPLES

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By TOM NICOTERA

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: DSF ~~Aoc B ABMW-1~~ ABMW-1
Source Location: AOC-B

Total Well Depth:	15.00'
Well Stickup:	3'
Well Casing Size:	2"
Static Water Level:	4.10
One Casing Volume:	1.78 gal.
Start Purge (hrs.):	11:30
End Purge (hrs.):	12:45
Total Purge Time (min.):	75 min
Total Amount Purged (gal.):	5.33
Monitoring Reading:	0 ppm / 11:25
Purge Method:	PERASTALTIC
Sample Method:	PERASTALTIC + Bailer
Depth Sampled:	5'
Sample Date & Time:	10-3-96 13:00
Sampled By:	TOM NICOTERA
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal	7.29	37.8	28.9	clear / 15	1.84
2 gal.	7.20	37.5	29.1	clear / 18	2.56
3 gal.	7.19	37.6	28.9	clear / 10	2.30
4 gal.	7.22	37.6	29.7	clear / 10	1.77
5 gal	7.18	37.7	28.9	clear / 10	2.23
5.33 gal	7.19	37.6	28.8	clear / 10	2.24

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.19	37.6	28.8	clear / 10	2.24

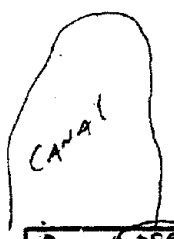
Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
8080 pest.	—
8150 Herb.	—
SVOC 610	—
335.1 cyanide	NaOH
TAL metals	HNO3
VOA 602	HCL

Observations/Notes:

AOC-B



SAL.
2.42
2.39
2.36
2.40
2.22 DSF
~~2.41~~
2.41
SAMPLE 2.41

Dup # DSF ~~AOC-B-MW-ABMW~~ ABDPGW
MSMSD ☐

Air Bill # 1914373182
Date Shipped 10-05-96
Time Shipped 1300
Lab Gel.
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other _____

Page 1 of 1

By Tom Nicotera

Project Site Name: NAS Keywest
Project Site Number: 7046
B&RE Sample ID: (DSF) ~~AOC B MW-2~~ ABMW-2
Source Location: AOC-B

Total Well Depth:	15.22'
Well Stickup:	3'
Well Casing Size:	2"
Static Water Level:	3.75'
One Casing Volume:	1.87 gal.
Start Purge (hrs.):	09:25
End Purge (hrs.):	10:40
Total Purge Time (min.):	75
Total Amount Purged (gal.):	5.61
Monitoring Reading:	0 ppm / 09:20
Purge Method:	peristaltic
Sample Method:	peristaltic + bailer
Depth Sampled:	4'
Sample Date & Time:	10/3/96 10:50
Sampled By:	Tom Nicotera
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	6.80	42.0	29.1	clear / 10	0.85
2 gal.	7.09	41.8	28.5	clear / 10	0.86
3 gal.	7.10	42.1	29.2	clear / 10	0.85
4 gal.	7.14	42.3	29.0	clear / 10	0.86
5 gal.	7.12	41.9	28.7	clear / 10	0.87
5.61 gal.	7.17	42.5	28.8	clear 10	0.88

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.17	42.5	28.8	clear / 10	0.88

Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
8080 Pest.	—
8150 Herb.	—
SVOC 610	—
335.1 Cyanide	NaOH
TAL Metals	HNO_3
VOC 602	HCL

Observations/Notes:

AOC-B

SAL.
2.71
2.70
2.72
2.73
2.72
2.75
SAMPLE 2.75

Dup # ~~ABDP60~~ (DSF)
MSMSD ☐

Air Bill # 1914373182
Date Shipped 10-05-96
Time Shipped 1300
Lab Gel.
Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By Tom Nicotera

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: AB MW-3
Source Location: AOC-B

Total Well Depth:	15.15'
Well Stickup:	3'
Well Casing Size:	2"
Static Water Level:	3.56'
One Casing Volume:	1.89 gal.
Start Purge (hrs.):	14:00
End Purge (hrs.):	15:10
Total Purge Time (min.):	70
Total Amount Purged (gal.):	5.67
Monitoring Reading:	0 ppm / 14:00
Purge Method:	peristaltic
Sample Method:	peristaltic + bailer
Depth Sampled:	4'
Sample Date & Time:	10-3-96 15:20
Sampled By:	Tom Nicotera
Signature(s):	Tom Nicotera

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
1 gal.	7.48	44.1	29.1	clear / 10	2.42
2 gal.	7.46	44.6	28.3	clear / 10	2.31
3 gal.	7.37	44.9	29.0	clear / 10	2.35
4 gal.	7.40	44.7	29.0	clear / 10	2.40
5 gal.	7.38	44.6	29.1	clear / 10	2.37
5.67 gal.	7.39	44.3	29.0	clear / 10	2.38

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.39	44.3	29.0	clear / 10	2.38

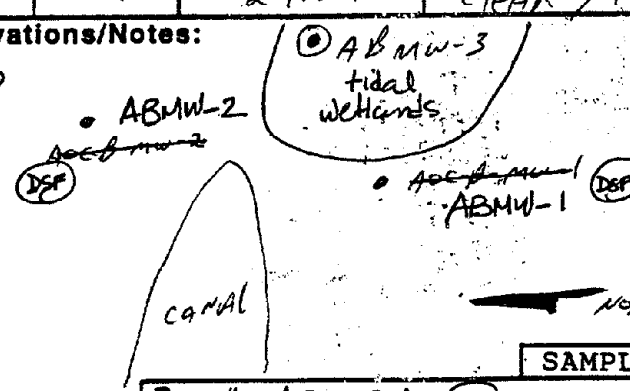
Type of Sample

- ☐ Low Concentration
- ☐ High Concentration
- ☑ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis:	Preservative:
8080 Pest.	—
8150 Herb.	—
SVOC 610	—
335.1 CN	NaOH
TAL. Metals	HNO3
VOC 602	HCl

Observations/Notes:

AOC-B



SAL.
2.87
2.90
2.88
2.90
2.90
2.88
SAMPLE 2.88

Dup # ~~ABDPGW~~ DSF

MSMSD ☐

Air Bill # 1914373182

Date Shipped 10-05-96

Time Shipped 1300

Lab Gel.

Other

SAMPLE LOG SHEET

Brown & Root Environmental

☑ Monitoring Well Data
☐ Domestic Well Data
☐ Other_____

Page 1 of 1

By Tom Nicotera

Project Site Name: NAS Key West
Project Site Number: 7046
B&RE Sample ID: ABDPGW (Duplicate) ABMW-1
Source Location: AOC-B

Total Well Depth:	See ABMW-1
Well Stickup:	
Well Casing Size:	
Static Water Level:	
One Casing Volume:	
Start Purge (hrs.):	
End Purge (hrs.):	
Total Purge Time (min.):	
Total Amount Purged (gal.):	
Monitoring Reading:	
Purge Method:	
Sample Method:	
Depth Sampled:	
Sample Data & Time:	10-3-96 1300
Sampled By:	
Signature(s):	

Purge Data

Volume	pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
	See	ABMW-1			

Sample Data

pH	S.C.	Temp. (°C)	Color & Turbidity	D.O.
7.19	37.6	28.8	clear/10	2.24
			sample salinity	2.41

Type of Sample

☐ Low Concentration
☐ High Concentration
☑ Grab
☐ Composite
☐ Grab - Composite

Analysis:	Preservative:
8080 ~~Herb~~ Pest.	—
8150 Herb	—
SVOC 610	—
335.1 Cyanide	NaOH
TAL Metals	HNO_3
VOC 602	HCL

Observations/Notes:

See ABMW-1
Duplicate of ABMW-1

Dup #	
MSMSD	☐
Air Bill #	1914373182
Date Shipped	10-05-96
Time Shipped	1300
Lab	GEL
Other	

BACKGROUND SOIL SAMPLES

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Soil
- [ ] Subsurface Soil
- [ ] Sediment
- [ ] Other

Project Site Name NAS Key West

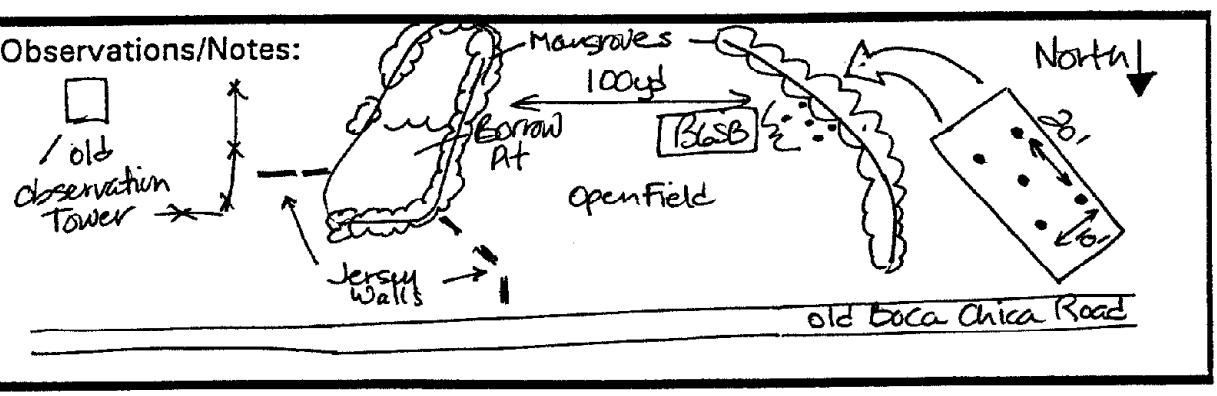
Project Site Number 7016

B&RE Sample Name B6SB

Sample Source or Location Background 6 Geiger Key

Sample Method: Auger (Stainless)	Sample Date and Time: 10-04-96 1745
Sample Depth: 0-1.0 ft	Color: Grey
Sampled By (Print): Tom Nicotera	Sample Description: Grey fine sand clay w/ pebbles & coral
Sampled By (Signatures):	FID Reading of Sample (if appropriate): ~~0ppm~~ DSA
Concentration of Sample: [x] Low [ ] Medium [ ] High	Type of Sample: Composite of five locations [x] Composite [ ] Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
VOC (602)	F609901K
SVOC (610)	
PCB/Pest (8080)	
Herb (8150)	
Metals (TAL)	
Cyanide (335.1)	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-7-96 / 1300	1914373123

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

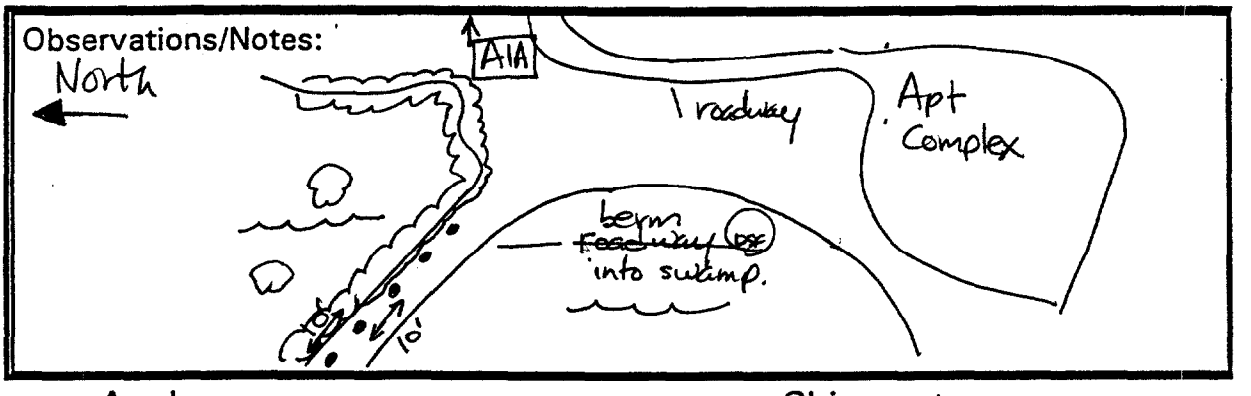
- [x] Surface Soil
- [ ] Subsurface Soil
- [ ] Sediment
- [ ] Other

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name B7SB Sample Source or Location Background 7 Key West

Sample Method: Auger (Stainless)	Sample Date and Time: 10-04-96 1900
Sample Depth: 0-0.5 ft	Color: Grey
Sampled By (Print): Tom Nicotera	Sample Description: Grey fine sand
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: [x] Low [ ] Medium [ ] High	Type of Sample: Composite of five locations [x] Composite [ ] Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
VOC (602)	F609901K
SVOC (610)	
PCB/Pest (8080)	
Herb (8150)	
Metals (TAL)	
Cyanide (335.1)	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-7-96/1300	1914373123

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

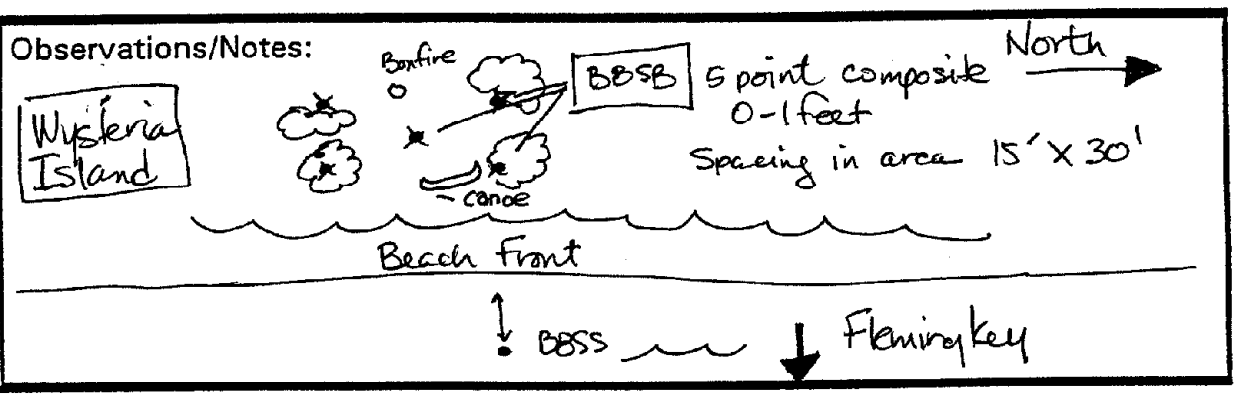
- [x] Surface Soil
- [ ] Subsurface Soil
- [ ] Sediment
- [ ] Other

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name B8SB. Sample Source or Location Background 8 (B8) Wysteria Island

Sample Method: Stainless auger	Sample Date and Time: 10-04-96 1030
Sample Depth: 0-1 ft	Color: White
Sampled By (Print): Scott Fleckinger	Sample Description: Clayey Sand (fine) w/coral pebbles
Sampled By (Signatures): [signature]	FID Reading of Sample (if appropriate): —
Concentration of Sample: [x] Low [ ] Medium [ ] High	Type of Sample: [x] Composite [ ] Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
VOC (602)	F609901K
SVOC (610)	
PCB/Pest (8080)	
Herb. (8150)	
Metals (TAL)	
Cyanide (335.1)	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-7-96/1300	1914373123

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

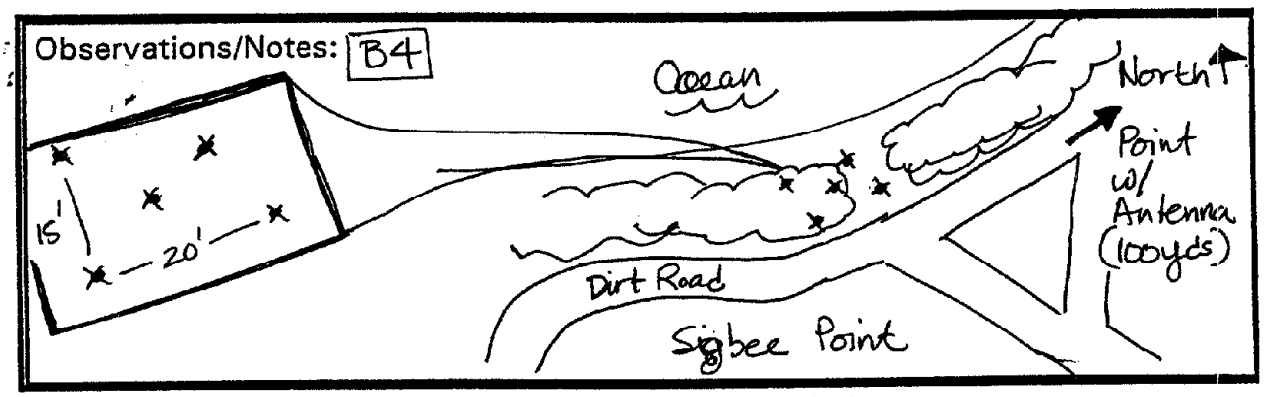
- [x] Surface Soil
- [ ] Subsurface Soil
- [ ] Sediment
- [ ] Other

Project Site Name: NAS Key West Project Site Number: 7046

B&RE Sample Name: B4SB Sample Source or Location: Background 4 Sigsbee Island (Dredgerskey)

Sample Method: Auger (stainless)	Sample Date and Time: 10-04-96 1950
Sample Depth: 0-9 inches	Color: Tan
Sampled By (Print): Tom Nicotera	Sample Description: Clayey fine sand w/ limestone pebbles
Sampled By (Signatures):	FID Reading of Sample (if appropriate): — ~~0ppm~~ DSF
Concentration of Sample: [x] Low [ ] Medium [ ] High	Type of Sample: [x] Composite [ ] Grab

Observations/Notes: B4



Analyses

Analysis (DSF)	Bottle Lot #
VOC (~~8260~~) (602)	F60990K
SVOC (610)	
Pest/PCB (8080)	
Herb. (8150)	
Metals (TAL)	
Cyanide (335.1)	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-7-96 1300	1914373123

BACKGROUND SEDIMENT SAMPLES

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

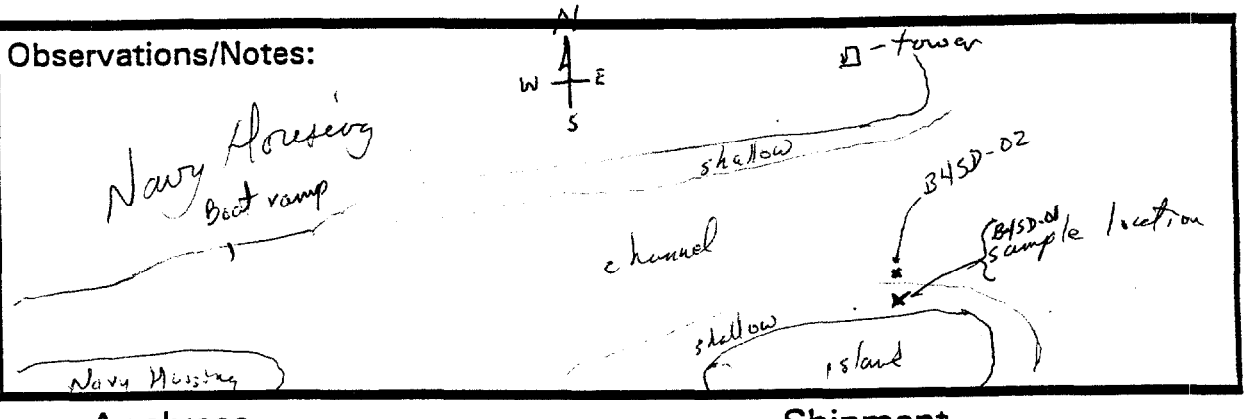
- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name B4SD-01 Sample Source or Location B4 (Background #4)

Sample Method: Stainless Steel Bowl	Sample Date and Time: 9-16-96 0855
Sample Depth: 18"	Color: Tan
Sampled By (Print): Alford Barnett	Sample Description: Medium sandy/shell fragments (DSF) ~~creamy colored~~
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☐ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☐ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
VOC (602)	F609901K
SVOC (610)	
Pest/PCB (8080)	
Herb. (8150)	
Metal (TAL)	
Cyanide (335.1)	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	9-16-96/1700	914373322

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name: NAS Key West

Project Site Number: 7046

B&RE Sample Name: B4SD-02

Sample Source or Location: B4 (Background 4)

Sample Method: Stainless Steel Bowl	Sample Date and Time: 9.16.96 0915
Sample Depth: 12 ft	Color: DF ~~creamy colored~~ Tan
Sampled By (Print): M.L. Whitten	Sample Description: Medium sandy with shell fragments
Sampled By (Signatures): M L Whitten	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☐ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☐ Grab

Observations/Notes:

See map of B4SD-01

This sample taken immediately north of B4SD-01 at channel bottom

Analyses

Analysis	Bottle Lot #
VOC (602)	F609901K
SVOC (610)	↓
Pest/PCB (8080)	↓
Herb. (8150)	↓
Metal (TAL)	↓
Cyanide (335.1)	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	9-16-96 / 1700	1914373322

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☑ Sediment
- ☐ Other

Project Site Name: NAS Key West

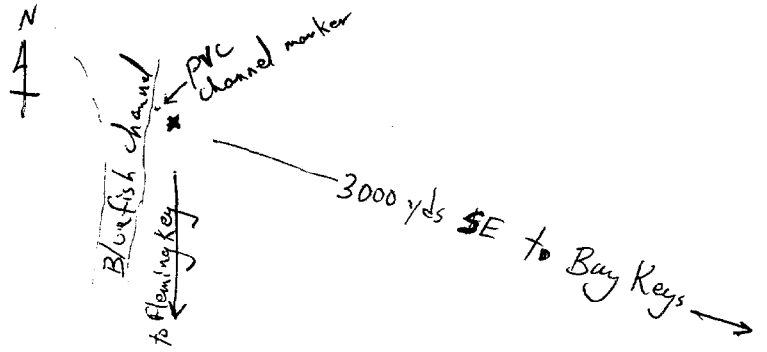
Project Site Number: ~~BG 4~~ 70A6

B&RE Sample Name: B5SD-01

Sample Source or Location: 200 ft ~~east~~ southeast of bluefish channel pvc marker B5 Background 5

Sample Method: Stainless Steel Bowl	Sample Date and Time: 9-16-96 1140
Sample Depth: 4 ft	Color: DF ~~creamy~~ Tan
Sampled By (Print): Alford Barnett	Sample Description: silty (claylike) with shell fragments
Sampled By (Signatures): Alford D. Barnett	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☐ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
VOC (602)	F609901K
SVOC (610)	↓
Pest/PCB (8080)	
Herb (8150)	
Metal (TAL)	
Cyanide (335.1)	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	9-17-96 / 1745	1914373300

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name NAS Key West

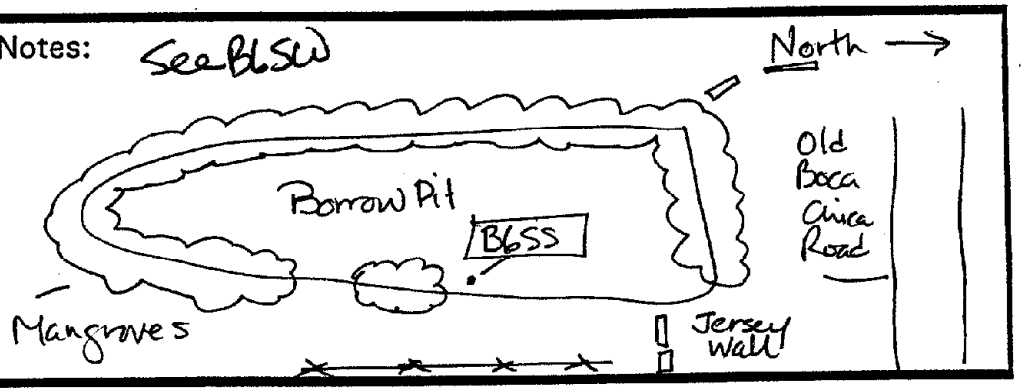
Project Site Number 7046

B&RE Sample Name B6SWSS

Sample Source or Location Background 6 Geiger Key Borrow Pit

Sample Method: Stainless Bowl	Sample Date and Time: 10-05-96 0820
Sample Depth: 2ft	Color: Dark Grey
Sampled By (Print): Tom Nicolera	Sample Description: Sandy Silt medium grain /w shells
Sampled By (Signatures):	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☐ Grab

Observations/Notes: See B6SW



Analyses

Analysis	Bottle Lot #
VOC (602)	F609901K
SVOC (610)	
PCB/Pest (8080)	
Herb (8150)	
Metals (TAL)	
Cyanide 335.1	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-7-96 / 1300	1914373123

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

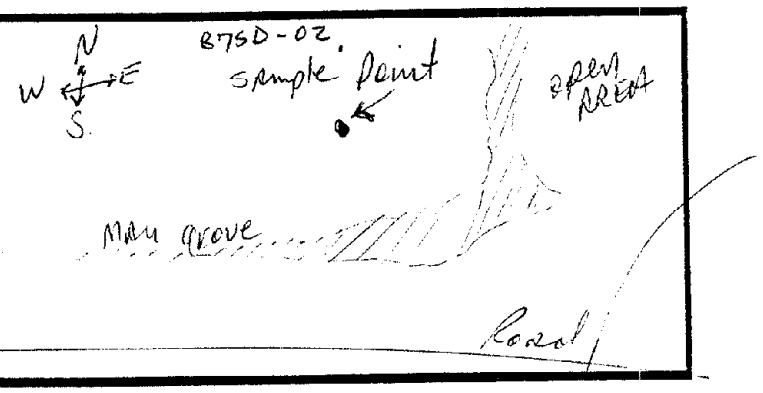
- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name NAS Keywest Project Site Number 7046

B&RE Sample Name ~~B7SS-02~~ (DSF) ~~B7SD-02~~ (DSF) B7SS-02 Sample Source or Location Background 7

Sample Method: Barrel and trowel	Sample Date and Time: 9-27-96 1600
Sample Depth: 0-6"	Color: gray
Sampled By (Print): Alford A. Barnett	Sample Description: gray, Silty sand
Sampled By (Signatures): Alford A. Barnett	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☐ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
VOC (602)	F609901K
SVOC (610)	↓
PCB/Pest (8080)	↓
Herb (8150)	↓
metals (TAL)	↓
cyanide (335.1)	↓

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	9-27-96/1800	1914373252

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

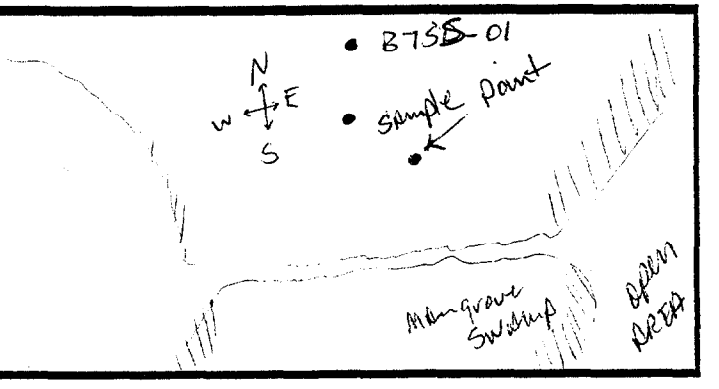
- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name ~~B7SS-01~~ MW ~~B7SD-01~~ DSF B7SS-01 Sample Source or Location Background 7

Sample Method: Bowel and trial	Sample Date and Time: 9-27-96 1540
Sample Depth: 0-6"	Color: TAN
Sampled By (Print): Alford R. BARNETT	Sample Description: TAN, Silty Sandy, very light in color
Sampled By (Signatures): Alford R. Barnett	FID Reading of Sample (if appropriate): –
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☒ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
SVOC (610)	F609901K
VOC (602)	
PCB/PEST (808)	
Herb (8150)	
metals (TAL)	
Cyanide (335.1)	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	9-27-96/1800	1914373252

Brown & Root Environmental

SAMPLE LOG SHEET

Page _____ of ___

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☒ Sediment
- ☐ Other

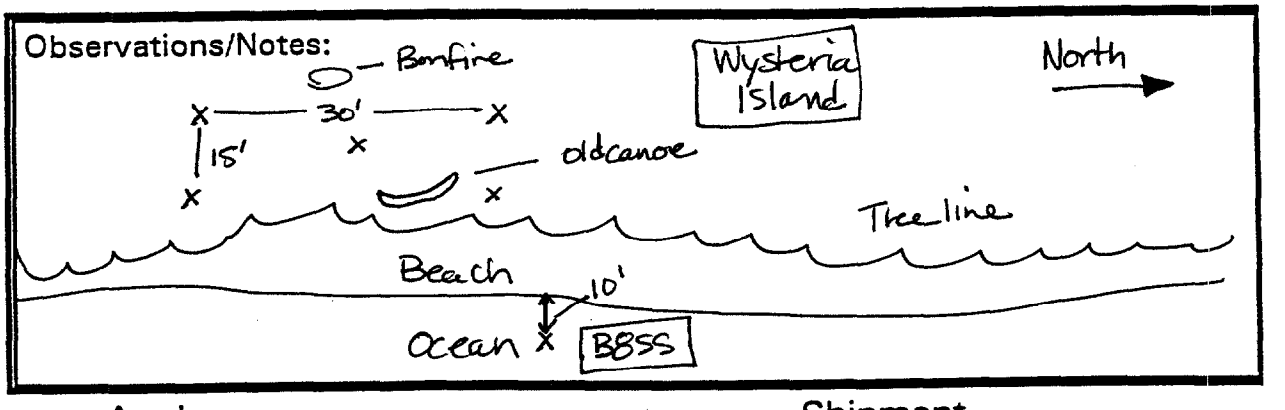
Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name B8SS Sample Source or Location B8 (Bkgd 8)

Wysteria Island East Side Mooring Area

Sample Method: Stainless Steel Bowl	Sample Date and Time: 10-04-96 0935
Sample Depth: 1.5 ft	Color: Grey
Sampled By (Print): Scott Flickinger	Sample Description: Medium Sand w/ Sed. & shell fragements
Sampled By (Signatures): [signature]	FID Reading of Sample (if appropriate): —
Concentration of Sample: ☒ Low ☐ Medium ☐ High	Type of Sample: ☒ Composite ☐ Grab

Observations/Notes:



Analyses

Analysis	Bottle Lot #
VOC (602)	F609901K
SVOC (610)	
Pest/PCB (8080)	
Herb. (8150)	
Metal (TAL)	
cyanide (335.1)	

Shipment

Laboratory	Ship Date/Time	Airbill #
GEL	10-7-96 1300	1914373123

BACKGROUND SURFACE WATER SAMPLES

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name NAS Key West

Project Site Number ~~BG4~~ DSF 7046

B&RE Sample Name B4SW

Sample Source or Location South side of channel south of NAS Sigsbee Park Housing B4 (Background 4)

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)	Salinity
7.82	29.3	4.42	Turbidity = 4	15.8	0.93 %

Sample Date and Time: 1-16-96

Sampled By (Print): Alford Barnett

Sampled By (Signatures): Alford A. Barnett

Observations/Notes: 0.93 thought to be in error given seawater ~~3.0%~~ DSF 3.5 %.

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC (602)	HCL	B608001K	GEL	9-17-96/1745	1914373300
SVOC (610)	—	H531001K			
Pest/PCB (8080)	—	↓			
Herb (8150)	—	↓			
Metal (TAL)	HNO_3	C505401K			
Cyanide (3351)	NaOH	↓			

COC # 10

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name NAS Key West

Project Site Number ~~BG 5~~ 7046

B&RE Sample Name B5SW

Sample Source or Location 200 ft SE of Bluefish Channel PVC marker B5 Background 5

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)	Salinity
7.69	28.8	5.56	clear - Turbidity=5	16.6	0.98 %

Sample Date and Time: 9-16-96 1140

Sampled By (Print): Alford Barnett

Sampled By (Signatures): Alford D. Barnett

Observations/Notes: 0.98 for salinity thought to be in error. Seawater generally 3.5%. location = approx. 3000 yds NW of Bay Keys

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC (602)	HCL	B608001K	GEL	9/17/96 / 1745	1914373300
SVOC (610)	—	H531001K			
Pest/PCB (8080)	—	↓			
Herb. (8150)	—	↓			
Metal (TAL)	HNO3	C505401K			
Cyanide (335.1)	NaOH	↓			

COC # 10

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name: NAS Key West

Project Site Number: 7046

B&RE Sample Name: B6SW

Sample Source or Location: Background 6 Geiger Key Borrow Pit

Surface Water Data

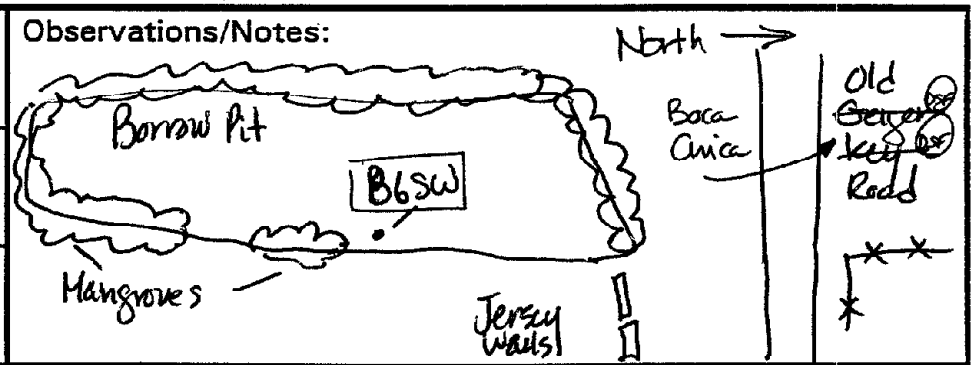
pH	Temp. (°C)	Dissolv. O_2	Color / Turb	Elect. Conduct.(mS/cm)	Sal
7.34	29.4	2.57	-10	40.0	2.56%

Sample Date and Time: 10-05-96 0910

Sampled By (Print): Tom Nicotera

Sampled By (Signatures):

Observations/Notes:



Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC (603)	HCL	B608001K	GEL	10-7-96/1300	1914373123
SVOC (610)	—	H531001K			
PCB/Pest (8080)	—	↓			
Herb. (8150)	—	↓			
Metals (TAL)	HNO_3	C505401K			
Cyanide (3351)	NaOH	↓			

COC # 18

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- [x] Surface Water
- [ ] Water QA/QC Blank Sample
  - [ ] Trip Blank
  - [ ] Rinsate Blank
  - [ ] Field Blank
  - [ ] Ambient Condition Blank

Project Site Name: NAS Key West Project Site Number: 7046

B&RE Sample Name: B7SW-01 Sample Source or Location: Background 7

Site = NE of airport near HWY A1-A

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)	Salinity (ppt)
7.82	33.5	8.15	clear	53.7	~~3.47~~ 3.46 ppt

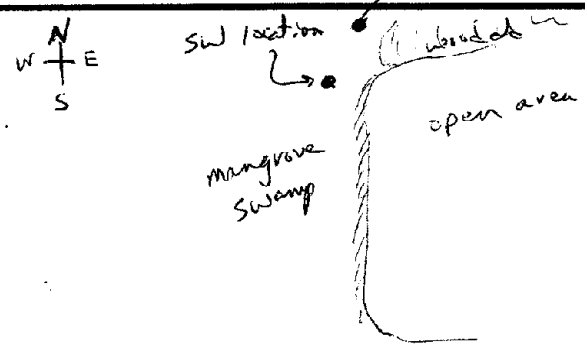
B75S-01 SED. sample location

Sample Date and Time: 9-27-96 1530

Sampled By (Print): Alford Barnett

Sampled By (Signatures): Alford L. Barnett

Observations/Notes:



Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC	HCL	B608001K	GEL	9-27-96/1800	1914373252
SVOC	—	H531001K			
PCB/Pest	—	↓			
Herb	—	↓			
Metals	HNO_3	C505401K			
Cyanide	NaOH	↓			

COC # 12

FIELD BLANK SAMPLES

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Water
- ☒ Water QA/QC Blank Sample
  - ☐ Trip Blank
  - ☐ Rinsate Blank
  - ☒ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name NAS Key West

Project Site Number 7046

B&RE Sample Name FB01-082096

Sample Source or Location Bldg 112 Tap Water

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time: 08-20-96 1535

Sampled By (Print): Scott Flickinger

Sampled By (Signatures): Scott Flickinger

Observations/Notes: Bldg 112 Tap Water outside ~~spicket~~ spigot. There was a number sequence error and no FB02 rinsate blank was taken.

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL	B608001K	GEL	08-20-96/1725	191438005
SVOC 8270	—	H531001K			
PCB/Pest 8080	—	↓			
Herb 8150	—	↓			
Metal TAL	HNO3	C505401K			
Cyanide 335.1	NaOH	↓			

COC # 4

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Water
- ☒ Water QA/QC Blank Sample
  - ☐ Trip Blank
  - ☐ Rinsate Blank
  - ☒ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name NAS Key West

Project Site Number 7046

B&RE Sample Name FB03-091896

Sample Source or Location Ricca Chemical Co. Deionized Water Lot#

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time: 09-18-96 0900

Sampled By (Print): Scott Flickinger

Sampled By (Signatures): Scott Flickinger

Observations/Notes: First shipment of DI Water 6 boxes

There was a number sequence error and no FB02 rinsate blank was taken.

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL	B608001K	GEL	09-18-96/1755	1914373296
SVOC 8270	—	H531001K			
PCB/Pest 8080	—	↓			
Herb 8150	—	↓			
Metal TAL	HNO3	C505401K			
Cyanide 335.1	NaOH	↓			

COC # 11

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Water
- ☒ Water QA/QC Blank Sample
  - ☐ Trip Blank
  - ☐ Rinsate Blank
  - ☒ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name NAS Key West

Project Site Number 7046

B&RE Sample Name FB04-091896

Sample Source or Location Boca Chica Tap Water

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time: 09-18-96 1500

Sampled By (Print): Scott Flickinger

Sampled By (Signatures): D Scott Flickinger

Observations/Notes: Tap water source at AVANTRA fuel depot on Boca Chica. 2 1/2 inch water ~~spicket~~ spigot.

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL	B608001K	GEL	09-18-96 / 1755	1914373296
SVOC 8270	—	H531001K			
PCB/Pest 8080	—	↓			
Herb 8150	—	↓			
Metal TAL	HNO_3	C505401K			
Cyanide 335.1	NaOH	↓			

COC # 11

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Water
- ☒ Water QA/QC Blank Sample
  - ☐ Trip Blank
  - ☐ Rinsate Blank
  - ☒ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name NAS Key West

Project Site Number 7046

B&RE Sample Name FB05 - 092796

Sample Source or Location Ricca Chemical Co. Deionized Water Lot # A210

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time: 09-27-96 0825

Sampled By (Print): Scott Flickinger

Sampled By (Signatures): Scott Flickinger

Observations/Notes: Second shipment of DI water 6 boxes

~~There was a numbering error (sequence)~~

~~No FB04 was taken.~~ DSF

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL		GEL	9/27/96 - 1800	1914373252
SVOC 8270	—				
PCB/Pest. 8080	—				
Herb 8150	—				
Metal TAL	HNO_3				
Cyanide 335.1	NaOH				

COC # 12

TRIP BLANK SAMPLES

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Water
- ☒ Water QA/QC Blank Sample
  - ☒ Trip Blank
  - ☐ Rinsate Blank
  - ☐ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name NAS Key West

Project Site Number 7046

B&RE Sample Name TB01-081296

Sample Source or Location GEL
General Engineering Laboratories

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time:	Observations/Notes:
08-07-96 1630	
Sampled By (Print):	
Sampled By (Signatures):	

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC	HCL		GEL	08-12-96/1800	0572016174

COC # 1

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Water
- ☒ Water QA/QC Blank Sample
  - ☒ Trip Blank
  - ☐ Rinsate Blank
  - ☐ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name TB02-082096 Sample Source or Location GEL

General Engineering Laboratories

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time:	Observations/Notes:
08-07-96 1630	
Sampled By (Print):	
Sampled By (Signatures):	

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL		GEL	08-20-96/1725	1914380005

COC # 4

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Water
- ☒ Water QA/QC Blank Sample
  - ☒ Trip Blank
  - ☐ Rinsate Blank
  - ☐ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name NAS Key West

Project Site Number 7046

B&RE Sample Name TB03-091696

Sample Source or Location GEL
General Engineering Laboratories

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time:	Observations/Notes:
09-09-96 1030	
Sampled By (Print):	
Sampled By (Signatures):	

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL		GEL	09-16-96 /1700	1914373322

COC # 9

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Water
- ☒ Water QA/QC Blank Sample
  - ☒ Trip Blank
  - ☐ Rinsate Blank
  - ☐ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name NAS Key West

Project Site Number 7046

B&RE Sample Name Trip-091796

Sample Source or Location GEL
General Engineer Laboratories

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time:	Observations/Notes:
09-09-96 1030	
Sampled By (Print):	
Sampled By (Signatures):	

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL		GEL	09-17-96/1745	1914373300

COC # 10

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Water
- ☒ Water QA/QC Blank Sample
  - ☒ Trip Blank
  - ☐ Rinsate Blank
  - ☐ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name NAS Key West

Project Site Number 7046

B&RE Sample Name TB05-091896

Sample Source or Location GEL
General Engineering Laboratories

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time:	Observations/Notes:
09-09-96 1030	
Sampled By (Print):	
Sampled By (Signatures):	

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL		GEL	09-18-96/ 1755	1914373296

COC # 11

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Water
- ☒ Water QA/QC Blank Sample
  - ☒ Trip Blank
  - ☐ Rinsate Blank
  - ☐ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name NAS Key West

Project Site Number 7046

B&RE Sample Name TB06-092796

Sample Source or Location GEL
General Engineering Laboratories

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time: 09-26-96 1600

Sampled By (Print):

Sampled By (Signatures):

Observations/Notes: GEL provided 3 sets of 3 trip blanks without dates or time of collection. I placed 09-26-96 and 1600 hours on the VOA vials since I had ordered them on the afternoon of 09-26-96 D. Scott Flickinger FOL

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL		GEL	09-27-96/1800	1914373252

COC # 12

Brown & Root Environmental

SAMPLE LOG SHEET

- ☐ Surface Water
- ☒ Water QA/QC Blank Sample
  - ☒ Trip Blank
  - ☐ Rinsate Blank
  - ☐ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name NAS Key West

Project Site Number 7046

B&RE Sample Name TB07-09-3096

Sample Source or Location GEL
General Engineering Laboratories

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time:	Observations/Notes:
09-26-96 1600	
Sampled By (Print):	
Sampled By (Signatures):	

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL		GEL	09-30-96/1740	1914373285

COC # 13

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Water
- ☒ Water QA/QC Blank Sample
  - ☒ Trip Blank
  - ☐ Rinsate Blank
  - ☐ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name NAS Key West

Project Site Number 7046

B&RE Sample Name TB08-09 (DSB) 00196

Sample Source or Location GEL
General Engineering Laboratories

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time:	Observations/Notes:
09-26-96 1600	
Sampled By (Print):	
Sampled By (Signatures):	

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL		GEL	10-01-96 / 1800	1914373241

COC # 14

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Water
- ☒ Water QA/QC Blank Sample
  - ☒ Trip Blank
  - ☐ Rinsate Blank
  - ☐ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name NAS Key West

Project Site Number 7046

B&RE Sample Name TB09-100596

Sample Source or Location GEL
General Engineering Laboratories

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time:	Observations/Notes:
09-30-96 1000	
Sampled By (Print):	
Sampled By (Signatures):	

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL		GEL	10-05-96 / 1300	1914373182

COC # 17

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Water
- ☐ Water QA/QC Blank Sample
  - ☒ Trip Blank
  - ☐ Rinsate Blank
  - ☐ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name NAS Key West

Project Site Number 7046

B&RE Sample Name TB10-100796

Sample Source or Location GEL
General Engineering Laboratories

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time:	Observations/Notes:
09-30-96 1000	
Sampled By (Print):	
Sampled By (Signatures):	

Analysis (DEF)	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC ~~8260~~	HCL		GEL	10-07-96/ 1300	1914373244 (DEF)
8260					1914373123

COC # 18

RINSATE BLANK SAMPLES

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Water
- ☒ Water QA/QC Blank Sample
  - ☐ Trip Blank
  - ☒ Rinsate Blank
  - ☐ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name RB01-080996 Sample Source or Location Teflon Tubing # 2600586 3/16" I.D.

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time:	Observations/Notes:
-09-96 1600	DI water run through Teflon and Silicone Tubing via peristaltic pump. Silicone # 117720
Sampled By (Print): Scott Flickinger	
Sampled By (Signatures): [signature]	

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL	B608001K	GEL	08-12-96/1800	0572016174
SVOC 8270	—	H531001K			
PCB/Pest 8080	—	↓			
Herb. 8150	—	↓			
Metal TAL	HNO_3	C506401K	COC # 1		
Cyanide 335.1	NaOH	↓			

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Water
- ☒ Water QA/QC Blank Sample
  - ☐ Trip Blank
  - ☒ Rinsate Blank
  - ☐ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name NAS Key West

Project Site Number 7046

B&RE Sample Name RB02-081996

Sample Source or Location Rinsate Bowl/Spoon/Auger (Stainless Steel)

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time: 08-19-96 1815

Sampled By (Print): Scott Flickinger

Sampled By (Signatures): [signature]

Observations/Notes: Rinsate poured following first decontamination event. DI water poured over equipment following decontamination.

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL	B608001K	GEL	08-20-96/1725	1914 38005
SVOC 8270	—	H531001K			
PCB/Pest 8080	—	↓			
Herb. 8150	—	↓			
Metal TAL	HNO_3	C505401K			
Cyanide 335.1	NaOH	↓			

COC # 4

Brown & Root Environmental

SAMPLE LOG SHEET

- ☐ Surface Water
- ☒ Water QA/QC Blank Sample
  - ☐ Trip Blank
  - ☒ Rinsate Blank
  - ☐ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name RB03-091896 Sample Source or Location Rinsate Bowl/Spoon/Auger (Stainless Steel)

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time: 09-18-96 1010

Sampled By (Print): Scott Flickinger

Sampled By (Signatures): Scott Flickinger

Observations/Notes: DI water poured over bowl, spoon and auger bucket.

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL	B608001K	GEL	09-18-96/1755	1914373296
SVOC 8270	—	H531001K			
PCB/Pest 8080	—	↓			
Herb. 8150	—	↓			
Metal TAL	HNO_3	C505401K			
Cyanide 335.1	NaOH	↓			

COC # 11

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Water
- ☒ Water QA/QC Blank Sample
  - ☐ Trip Blank
  - ☒ Rinsate Blank
  - ☐ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name: NAS Key West

Project Site Number: 7046

B&RE Sample Name: RB04-092896

Sample Source or Location: Rinsate Teflon Tubing # 0600654

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time: 09-28-96 1245

Sampled By (Print): Scott Flickinger

Sampled By (Signatures): [signature]

Observations/Notes: DI water run through Teflon and Silicone tubing via Peristaltic Pump

Silicone # 117730

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL	B608001K	GEL	09-30-96/1740	1914373285
SVOC 8270	—	H531001K			
PCB/Pest 8080	—	↓			
Herb. 8150	—	↓			
Metal TAL	HNO_3	C505401K			
Cyanide 335.1	NaOH	↓			

COC # 13

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Water
- ☒ Water QA/QC Blank Sample
  - ☐ Trip Blank
  - ☒ Rinsate Blank
  - ☐ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name RB05-092896 Sample Source or Location Rinsate

Bailers Teflon (disposable) BA1-1000-DTSC

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time: 09-28-96 1315

Sampled By (Print): Scott Flickinger

Sampled By (Signatures): [signature]

Observations/Notes: Lot # TTIØ316-030. DI water poured through bailer.

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL	B608001K	GEL	09-30-96/1740	1914373285
SVOC 8270	—	H531001K			
PCB/Pest 8080	—	↓			
Herb. 8150	—	↓			
Metal TAL	HNO_3	C505401K			
Cyanide 335.1	NaOH	↓			

COC # 13

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Water
- ☒ Water QA/QC Blank Sample
  - ☐ Trip Blank
  - ☒ Rinsate Blank
  - ☐ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name RB06-092996 Sample Source or Location Rinsate Bowl/Spoon/Auger/Ponar (stainless steel)

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time: 09-29-96 1635

Sampled By (Print): Scott Flickinger

Sampled By (Signatures): [signature]

Observations/Notes: DI poured over bowl, spoon, auger bucket and petite Ponar.

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL	B608001K	~~GEL~~ DF	~~10-01-96/1800~~	~~1914373241~~
SVOC 8270	—	H531001K			
PCB/Pest 8080	—	↓	GEL	0930-96/1740	1914373285
Herb. 8150	—	↓			
Metal TAL	HNO_3	C506401K			
Cyanide 335.1	NaOH	↓			

COC # ~~14~~ 13 DF

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Water
- ☒ Water QA/QC Blank Sample
  - ☐ Trip Blank
  - ☒ Rinsate Blank
  - ☐ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name NAS Key West

Project Site Number 7046

B&RE Sample Name RB07-100196

Sample Source or Location Rinsate Bowl/Spoon/Auger (Stainless Steel)

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time: 10-01-96 0845

Sampled By (Print): Scott Flickinger

Sampled By (Signatures): D Scott Flickinger

Observations/Notes: DI water poured over bowl, spoon and auger bucket.

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL	B608001K	GEL	10-01-96/ 1800	1914373241
SVOC 8270	—	H531001K			
PCB/Pest 8080	—	↓			
Herb. 8150	—	↓			
Metal TAL	HNO_3	C505401K			
Cyanide 335.1	NaOH	↓			

COC # 14

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Water
- ☒ Water QA/QC Blank Sample
  - ☐ Trip Blank
  - ☒ Rinsate Blank
  - ☐ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name NAS Key West Project Site Number 7046

B&RE Sample Name RB08-100396 Sample Source or Location Rinsate Bowl/Spoon/Auger/Ponar

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time: 10-03-96 1035

Sampled By (Print): Scott Flickinger

Sampled By (Signatures): Scott Flickinger

Observations/Notes: DI poured over bowl, spoon, auger bucket and ponar.

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL	B608001K	GEL	10-05-96 /1300	1914373182
SVOC 8270	—	HS31001K			
PCB/Pest 8080	—	↓			
Herb. 8150	—	↓			
Metal TAL	HNO_3	C506401K	COC # 17		
Cyanide 335.1	NaOH	↓			

Brown & Root Environmental

SAMPLE LOG SHEET

Page 1 of 1

- ☐ Surface Water
- ☒ Water QA/QC Blank Sample
  - ☐ Trip Blank
  - ☒ Rinsate Blank
  - ☐ Field Blank
  - ☐ Ambient Condition Blank

Project Site Name NAS Key West

Project Site Number 7046

B&RE Sample Name RB09-100796

Sample Source or Location Rinsate Bowl/Spoon/Auger (stainless steel)

Surface Water Data

pH	Temp. (°C)	Dissolv. O_2	Color	Elect. Conduct.(mS/cm)

Sample Date and Time: 10-07-96 1005

Sampled By (Print): Scott Fluckinger

Sampled By (Signatures): [signature]

Observations/Notes: DI poured over bowl, spoon and auger bucket.

Analysis	Preserv.	Bottle Lot #s	Laboratory	Ship Date/Time	Airbill #
VOC 8260	HCL	B608001K	GEL	10-07-96/ 1300	1914373123
SVOC 8270	—	H531001K			
PCB/Pest 8080	—	↓			
Herb. 8150	—	↓			
Metal TAL	HNO_3	C505401K			
Cyanide 335.1	NaOH	↓			

COC # 18

CHAIN-OF-CUSTODY FORMS

VSD

General Engineering Laboratories, Inc.
2040 Savage Road
Charleston, South Carolina 29414
P.O. Box 30712
Charleston, South Carolina 29417
(803) 556-8171

CHAIN OF CUSTODY RECORD

Page 1 of 1 9608319

Client Name/Facility Name: NAS Key West Supp. RFI/RI

Collected by/Company:

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

22793

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify	Pesticide	Herbicide	Total Phenol	Acid Extractables	B/N Extractables	PCB's	Cyanide	Coliform - specify type	BNA 610	Remarks
-01	RB01-080996	8/9/96	1600				X	13						3	1		2			2	2	1		2	VOC 8240; BNA 8240 Metal 200; Pest/PCB 8270 .1
02	18MW8-5	8/11/96	1213	X			X	5							1		2				2				.2
03	18KMW-14	8/11/96	1240	X			X	5							1		2				2				
04	18KMW-15	8/11/96	1735	X			X	5							1		2				2				
05	18KMW-16R	8/11/96	1915	X			X	5							1		2				2				
06	18MW8-3	8/12/96	0930	X			X	5							1		2				2				
07	18DPGW-01	8/12/96	—	X			X	5							1		2				2				
08	18MW8-1	8/12/96	0934	X			X	5							1		2				2				
09	18MW8-4	8/12/96	1215	X			X	5							1		2				2				
10	18KMW-13R	8/12/96	1250	X			X	5							1		2				2				
11	TB01-081296	8/12/96	1630				X	3						3											.4
12	18MW8-6	8/12/96	1600	X			X	5							1		2				2				

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
D. Scott Firkinger	8/12/96	1800	FedEx 0572016174				
Relinquished by:	Date:	Time:	Received by lab by: R Dessaure	Date: 8-14-96	Time: 0830	Remarks:	

19931

White = sample collector Yellow = file Pink = with report

General Engineering Laboratories, Inc.
2040 Savage Road
Charleston, South Carolina 29414
P.O. Box 30712
Charleston, South Carolina 29417
(803) 556-8171

CHAIN OF CUSTODY RECORD

Page 1 of 1

Client Name/Facility Name: NAS Key West

Collected by/Company: Brown & Root Environmental

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify 8017	Pesticide	Herbicide 8150	Total Phenol	Acid Extractables	B/N Extractables	PCB's Test 8080	Cyanide	Coliform - specify type			Remarks
-13	18MW8-2	08/12/96	1750				X	5							1		2				2					MS/MSD .3

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

22793

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
Scott Flickinger	8/14/96	1735	Fed Ex 191437499 1				

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			R. Lessard	8-15-96	0900	

White = sample collector Yellow = file Pink = with report

9609262d

General Engineer[illegible] Lab[illegible]ies, Inc.
2040 Savage Ro[illegible]
Charleston, South [illegible]arolina 29414
P.O. Box 30712
Charleston, South Carolina 29417
(803) 556-8171

CHAIN OF CUSTODY RECORD

Page 1 of 1

~~9609262~~ 9-13-96 ~~KB~~ VD

Client Name/Facility Name: NAS Key West

Collected by/Company: Scott Flickinger, Brown & Root Env, Tom Nicotera

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

2 3213

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify 2007	Pesticide	Herbicide 8150	Total Phenol	Acid Extractables	B/N Extractables	PCB's /Pest 8080	Cyanide 335.1	Coliform - specify type			Remarks
-01	I7MW-1	9/10/96	1230	X			X	6							1		2				2	1				
-02	I7MW7-2	9/10/96	1240	X			X	6							1		2				2	1				
-03	I7MW7-4	9/10/96	1530	X			X	6							1		2				2	1				
-04	I7MW7-10	9/10/96	1610	X			X	6							1		2				2	1				
-05	I7MW7-5	9/10/96	1810	X			X	6							1		2				2	1				
-06	I7MW7-6	9/10/96	1830	X			X	6							1		2				2	1				
-07	I7MW7-3	9/11/96	1150	X			X	6							1		2				2	1				
-08	I7DPGW	9/11/96	—	X			X	6							1		2				2	1				
-09	I7KWM-12	9/11/96	1430	X			X	6							1		2				2	1				
-10	I7MW7-1	9/11/96	1440	X			X	10							1		4				4	1				MS/MSD

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
Scott Flickinger	9/11/96	1750	FedEx 7145533 4316				

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			R Resrame	9-12-96	0900	

White = sample collector Yellow = file Pink = with report

General Engineering Laboratories, Inc.
2040 Savage Road
Charleston, South Carolina 29414
P.O. Box 30712
Charleston, South Carolina 29417
(803) 556-8171

CHAIN OF CUSTODY RECORD

Page 1 of 1

Client Name/Facility Name: NAS Key West

Collected by/Company: Scott Flickinger / Tom Nicotra — Brown & Root Env.

Use F or P in the boxes to indicate whether sample was filtered and/or preserved: ~~23~~ 23213

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify 3007	Pesticide	Herbicide 8150	Total Phenol	Acid Extractables	B/N Extractables	PCB's / Pest 8080	Cyanide 335.1	Coliform - specify type			Remarks
-11	I1MW1-1	09-12-96	1200	X			X	6							1		2				2	1				
-12	I1KMW-03	09-12-96	1315	X			X	6							1		2				2	1				
-13	~~I1KMW-03~~ I1MW-3 (DSF)	09-12-96	1400	X			X	6							1		2				2	1				
-14	I1MW-~~7~~6	09-12-96	1555	X			X	6							1	~~2~~ (DSF)	2				2	1				
	VSD 9/13/96							24																		

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
Scott Flickinger	09-12-96	1800	FedEx # 745334320				

Relinquished by:	Date:	Time:	Received by-lab by:	Date:	Time:	Remarks:
			Regina Dessaint	9-13-96	0900	

White = sample collector Yellow = file Pink = with report

1634

General Engineering Laboratories, Inc.
2040 Savage Road
Charleston, South Carolina 29414
P.O. Box 30712
Charleston, South Carolina 29417
(803) 556-8171

CHAIN OF CUSTODY RECORD

Client Name/Facility Name: NAS Key West

Collected by/Company: Brown & Root Env. Scott Flickinger Tom Nicotera

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

Remarks 23213 1

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride,	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify FAL	Pesticide	Herbicide 8150	Total Phenol	Acid Extractables	B/N Extractables	PCB's / Pesticide 8080	Cyanide	Coliform - specify type			
-15	I1MW-1	9/12/96	1715	X			X	6							1		2				2	1				
-16	I1DPGW	9/13/96	—	X			X	6							1		2				2	1				
-17	I1MW1-2	9/13/96	1100	X			X	6							1		2				2	1				
-18	I1MW-5	9/13/96	1115	X			X	6							1		2				2	1				
-19	I1MW3-1	9/13/96	1300	X			X	6							1		2				2	1				
-20	I1KMW-02	9/13/96	1510	X			X	6							1		2				2	1				
								36																		

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
Scott Flickinger	9/13/96	1745	FedEx 7455334331				

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			R Desrouvel	9/14/96	1000	

White = sample collector Yellow = file Pink = with report

YLD

4609285

Page 1 of 1

CHAIN OF CUSTODY RECORD

General Engineering Labor s, Inc.
2040 Savage Road
Charleston, South Carolina 29414
P.O. Box 30712
Charleston, South Carolina 29417
(803) 556-8171

Client Name/Facility Name: NAS Key West

Collected by/Company: Scott Flickinger / Tom Nicotera, Brown & Ruot Env.

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

23047

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify TAL	Pesticide	Herbicide 8150	Total Phenol	Acid Extractables	B/N Extractables	PCB's 1668	Cyanide 335.1	Coliform - specify type			Remarks
01	I1KWM-01	09-13-96	1630	X			X	6							1		2				2	1				New SDG
02	ABSW-4	09-14-96	1005					6							1		2				2	1				
03	ABSW-7	09-14-96	1040					6							1		2				2	1				
04	ABSW-9	09-14-96	1050					6							1		2				2	1				
05	ABSW-2	09-14-96	1105					6							1		2				2	1				
								30																		

2269

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
Scott Flickinger	09-14-96	1300	FedEx 7455334342				

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			Regina Deseaune	9-16-96	0930	

White = sample collector Yellow = file Pink = with report

VSD

General Engineering Labora s, Inc.
2040 Savage Roa
Charleston, South ina 29414
P.O. Box 30712
Charleston, South Carolina 29417
(803) 556-8171

CHAIN OF CUSTODY RECORD

Page 1 of 12 (DSF)

9609285

Client Name/Facility Name: NAS Key West

Collected by/Company: Brown & Root Env.

Scott Flickinger Tom Nicotera

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify TAL	Pesticide	Herbicide 8150	Total Phenol	Acid Extractables	B/N Extractables 8270	PCB's 8080	Cyanide 335.1	Coliform - specify type			Remarks
-06	ABSW-1	9/14/96	1440				X	6							1		2				2	1				✓ 2324
-07	ABSW-23 (VSD 9/17/96)	9/14/96	1450				X	6							1		2				2	1				✓
-08	ABSW-5	9/14/96	1500				X	6							1		2				2	1				✓
-09	ABSW-8	9/14/96	1515				X	6							1		2				2	1				
-10	S4SW-1	9/15/96	1010				X	7						3	1					2		1				VOC 8260 Method App IX ↓ 23247
-11	S4SW-2	9/15/96	1040				X	7						3	1					2		1				SVOC 8270 Method App IX
-12	S4SW-3	9/15/96	1100				X	7						3	1					2		1				App IX MS/MSD VOA & BNA only .4
13	S4DPSW	9/15/96	—				X	7						3	1					2		1				✓ App IX .3
14	S4SW-4	9/16/96	0825				X	7						3	1					2		1				App IX .3 ↓
	B4SB-01 (VSD 9/17/96)	09/16/96	0855		X			2						X	X		X			X	X	X				New SDG EPA 9609298-01 ↓ 23276
	B4SB-02	09/16/96	0915		X			2						X	X		X			X	X	X				↓ EPA 298-02
-15	TB03-091696	09/16/96	1030				X	3						3												✓ 23247.5
																										(DSF) See 2 of 2

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
Scott Flickinger	9/16/96	1700	FedEx 9114373322				

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			L Dessaure	9-17-96	0900	

White = sample collector Yellow = file Pink = with report

General Engineering Labora , Inc.
2040 Savage Road
Charleston, South Carolina 29414
P.O. Box 30712
Charleston, South Carolina 29417
(803) 556-8171

CHAIN OF CUSTODY RECORD

Client Name/Facility Name: NASKey West

Collected by/Company: Brown & Root Env. Scott Flickinger Tom Nicotera

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify TAL	Pesticide	Herbicide 8150	Total Phenol	Acid Extractables	B/N Extractables	PCB's / Pest 8080	Cyanide	Coliform - specify type			Remarks
-10	IIMW-7	09-16-96	1040	X			X	11							1		5				4	1				ms/msD ✓ 23247
-11	IIDPGW-22	09-16-96	—	X			X	6							1		2				2	1				✓ 23247

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
Scott Flickinger	9/16/96	1700	FedEx 1914373322				

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			Megan Dessaul	9-17-96	0900	

White = sample collector Yellow = file Pink = with report

00163

9609280
9609298

CHAIN OF CUSTODY RECORD

General Engineering Labor[illegible] Inc.
2040 Savage Road
Charleston, South C[illegible]na 29414
P.O. Box 30712
Charleston, South Carolina 29417
(803) 556-8171

Client Name/Facility Name: NAS Key West — Brown & Root Env.

Collected by/Company: Paul Callisan / Scott Flickinger / Tom Nicotera

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

23276

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required 8260	METALS - specify 7470	Pesticide	Herbicide 8150	Total Phenol	Acid Extractables	B/N Extractables 8270	PCB's 8080	Cyanide 335.1	Coliform - specify type			Remarks	
9609285 18	B4SW	09.16.96	1040		(SO)	X	X							3	1		2			2	2	1				EPA METHODS	23247
19	B5SW	09.16.96	1135				X							3	1		2			2	2	1				EPA METHODS	↓
9609298 03	B5SS-01	09.16.96	1148		X	X		2						X	X		X			X	X	X				MS/MSD EPA METHODS	232[illegible] .2
04	I1SS-1	9/17/96	0840		X	X		2							X		X			X	X	X				EPA METHOD	.3
05	I1DPSS	9/17/96	—		X	X		2							X		X			X	X	X				EPA METHOD	
06	I1SS-6	9/17/96	0940		X	X		2							X		X			X	X	X				EPA METHOD	
07	I1SS-7	9/17/96	1000		X	X		2							X		X			X	X	X				EPA METHOD	↓
08	ABSS-3	9/17/96	1250		X	X		2							X		X				X	X					.4
09	ABSS-5	9/17/96	1255		X	X		2							X		X				X	X					
10	ABSS-8	9/17/96	1310		X	X		2							X		X				X	X					
11	ABSS-1	9/17/96	1330		X	X		2							X		X				X	X					
12	ABDPSS	9/17/96	—		X	X		2							X		X				X	X					
13	ABSS-4	9/17/96	1400		X	X		2							X		X				X	X					

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
Scott Flickinger	9/17/96	1745	FedEx 1914373300				

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			R Desrouc	9-18-96	0900	

White = sample collector Yellow = file Pink = with report

2272

General Engineering Labor[illegible] Inc.
2040 Savage Road
Charleston, South Carolina 29414
P.O. Box 30712
Charleston, South Carolina 29417
(803) 556-8171

CHAIN OF CUSTODY RECORD

Client Name/Facility Name: NAS Keywest

Collected by/Company: Scott Flickinger / Paul Callicon Brown & Root / Tom Nicotera

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required 8260	METALS - specify TAL	Pesticide	Herbicide 8150	Total Phenol	Acid Extractables	B/N Extractables 8270	PCB's 8080	Cyanide 335.1	Coliform - specify type			Remarks
14	ABSS-7	9/17/96	1405		X	X		2							X		X				X	X				2327.4
15	ABSS-9	9/17/96	1410		X	X		2							X		X				X	X				
16	ABSS-2	9/17/96	1420		X	X		2							X		X				X	X				
17	IISS-2 (DSF)	9/17/96	1430		X	X		2							X		X			X	X	X				EPA METHOD .3
18	IISS-3	9/17/96	1450		X	X		2							X		X			X	X	X				EPA METHOD
19	IISS-5	9/17/96	1515		X	X		2							X		X			X	X	X				EPA METHOD
20	IISS-4	9/17/96	1640		X	X		2							X		X			X	X	X				EPA METHOD
96W1285 20	TB04-091796	9/9/96	1030				X	3						3												App IX 2324

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
Scott Flickinger	9/17/96	1745	FedEx 9143733300				

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			R Desrouche	9-18-96	0900	

White = sample collector Yellow = file Pink = with report

2273

V 21

CHAIN OF CUSTODY RECORD

General Engineering La ries, Inc.
2040 Savage Road
Charleston, South na 29414
P.O. Box 30712
Charleston, South Carolina 29417
(803) 556-8171

Page 1 of 1 9609358

Client Name/Facility Name: NAS Key West

Collected by/Company: Brown & Root Env.
Scott Flickinger Tom Nicotera

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

23309

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required *	METALS - specify TAL **	Pesticide	Herbicide	Total Phenol	Acid Extractables	B/N Extractables	PCB's/Pest	Cyanide	Coliform - specify type			Remarks	
-01	FB03-091896	9/18/96	0900				X	11						3	1		2			2	2	1				DI Water App IX	.1
-02	RB03-091896 (DSF)	9/18/96	1010				X	11						3	1		2			2	2	1				Bowl/Spoon/Porcar App IX	.1
-03	SSSW-3	9/18/96	1310				X	7						3	1					2		1				App IX	.2
-04	SSSW-4	9/18/96	1340				X	7						3	1					2		1				App IX	
-05	SSSW-5	9/18/96	1415				X	7						3	1					2		1				App IX	
-06	SSDPSW	9/18/96	—				X	7						3	1					2		1				** Metals ILM03.0 TAL App IX	
-07	TB05-091896	9/18/96 (DSF)	1030				X	3						3	1 (DSF)					2 (DSF)		1 (DSF)				* VOC 8260 App IX	.3
-08	FB04-091896	9/18/96	1500				X	11						3	1		2			2	2	1				App IX	.1

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
Scott Flickinger	9/18/96	1755	FedEx 911437329 6				

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			R Desiaure	9/19/96	0900	

White = sample collector Yellow = file Pink = with report

001487

General Engineering Lab ...s, Inc.
2040 Savage Road
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Charleston, South Carolina 29417
(803) 556-8171

VSD

CHAIN OF CUSTODY RECORD

Page 1 of 1 9609579

Client Name/Facility Name: NAS Key West South Div

Collected by/Company: Scott Flickinger Alford Barnett

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

23475

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify TAL	Pesticide	Herbicide	Total Phenol	Acid Extractables	B/N Extractables	PCB's 8080	Cyanide 335.1	Coliform - specify type			Remarks	
-01	FB05-092796	09/27/96	0825				X	11						3	1		2			2	2	1				VOC Method 8260	.1
-02	13MW-5	9/27/96	1330	X			X	5							1		2				2	1 VSD 10/1/96				EPA Metals TAL ILM03.0	.2
-03	B7SW-01	9/27/96	1530	X			X	11						3	1		2			2	2	1				EPA	.5
-01 SW	B7SS-01*	9/27/96	1540		X			2						X	X		X			X	X	X				EPA MS/MSD	.3
-02	B7SS-02*	9/27/96	1600		X			2						X	X		X			X	X	X				EPA	~~.2~~ .3
-04	13MW-7	9/27/96	1610	X				~~1~~ 5 VSD							1		2				2	1 VSD 10/1/96					.2
-05	TB06-092796	9/26/96	1600				X	3						3													

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
Scott Flickinger	9/27/96	1800	Fed Ex 1914373252				
Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:	
			Regina Dessaint	9/27/96	1000		

2043

White = sample collector Yellow = file Pink = with report

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Charleston, South Carolina 29417
(803) 556-8171

CHAIN OF CUSTODY RECORD

Client Name/Facility Name: NAS Key West / South Div

Collected by/Company: Brown & Root

Scott Flickinger / Tom Nicotera

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

23495

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify	Pesticide	Herbicide 8150	Total Phenol	Acid Extractables	B/N Extractables 8270	PCB's/Pest 8080	Cyanide 335.1	Coliform - specify type			Remarks 23495	
-00	13MW-4	9/28/96	1020	X			X	5							1		2				2					Metals TAL (ILM03.0)	.1
-01	13DPGW	9/28/96	—	X			X	5							1		2				2					VOC 8260	.1
-08	13MW-6	9/28/96	1120	X			X	10							1		5				4					MS/MSD (Herb, Pest)	.2
-09	RB04-092896	9/28/96	1245				X	11						3	1		2			2	2	1					.3
-10	RB05-092896	9/28/96	1315				X	11						3	1		2			2	2	1					.3
-11	S4MW-5	9/28/96	1600	X			X	7						3	1					2		1					.4
-12	S4MW-6	9/28/96	1610	X			X	7						3	1					2		1				MS/MSD (SVOC, VOC, metals, CN)	.5
-13	S4MW-7	9/28/96	1740	X			X	7						3	1					2		1					.4
-14	S4MW-4	9/28/96	1750	X			X	7						3	1					2		1					.1
-15	S5SW-6	9/28/96	1830	X			X	7						3	1					2		1					.1
-16	S4MW-2	9/28/96	1020	X			X	7						3	1					2		1					.4
-17	S4MW-3	9/28/96	1040	X			X	7						3	1					2		1					.4
	~~S4SS-4~~	~~9/28/96~~	~~1125~~		X	X		~~2~~																			

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
Scott Flickinger	9/30/96	1740	FedEx 191437325				

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			Regina Dessaire	10-01-96	1000	

White = sample collector Yellow = file Pink = with report

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CHAIN OF CUSTODY RECORD

Client Name/Facility Name: NAS Key West / South Div
Collected by/Company: Scott Flickinger / Brown & Root / Tom Nicotera

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify	Pesticide	Herbicide	Total Phenol	Acid Extractables	B/N Extractables	PCB's	Cyanide	Coliform - specify type			Remarks
													X	X		X			X		X				
-18 S4DPGW	9/29/96	—	X			X	7						3	1					2		1				Metals TAL (ILM03.0)
1607584-03 S4SS-4*	9/29/96	1125		X	X		2						X	X					X		X				VOC 8260
-04 S4SS-5*	9/29/96	1135		X	X		2						X	X					X		X				
-05 S4SS-6*	9/29/96	1145		X	X		2						X	X					X		X				
-06 S4SS-7*	9/29/96	1215		X	X		2						X	X					X		X				
-07 S4DPSS*	9/29/96	—		X	X		2						X	X					X		X				
08 S5SS-6*	9/29/96	1245		X	X		2						X	X					X		X				MS/MSD
09 S5SS-4*	9/29/96	1300		X	X		2						X	X					X		X				
-10 S5SS-3*	9/29/96	1310		X	X		2						X	X					X		X				
-11 S5SS-5*	9/29/96	1335		X	X		2						X	X					X		X				
-12 S5DPSS*	9/29/96	—		X	X		2						X	X					X		X				
-13 RB06-092996	9/29/96	16:35				X	11					10	5 3	7 4		2			2	2	1				
-20 TB07-093096	9/26/96	1600				X	3						3	1											

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
Scott Flickinger	9/30/96	1740	FedEx 1914373298 1				

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			Regina Desvouges	[illegible]	[illegible]	

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3073

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CHAIN OF CUSTODY RECORD

 9610017

Client Name/Facility Name: NAS Key West South Div

Collected by/Company: Brown & Root

Scott Flickinger / Tom Nicotera

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify	Pesticide	Herbicide	Total Phenol	Acid Extractables	B/N Extractables 8270	PCB's	Cyanide 335.1	Coliform - specify type			Remarks
-01	55MW-4	09/30/96	10:00	X			X	4							1					2		1				Metals TAL (ILM030)
-02	55MW-5	09/30/96	10:15	X			X	4							1					2		1				VOC 8260
03	55MW-3	09/30/96	12:10	X			X	4							1					2		1				
04	55MW-2	09/30/96	12:40	X			X	4							1					2		1				
05	55dPGW	09/30/96	—	X			X	4							1					2		1				

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

234496

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
Scott Flickinger	9/30/96	1740	FedEx 1914373285				
Relinquished by:	Date:	Time:	Received by/ab by:	Date:	Time:	Remarks:	
			D Descaine	10.01.96	0900		

2708

White = sample collector Yellow = file Pink = with report

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CHAIN OF CUSTODY RECORD

Client Name/Facility Name: NAS Key West / South Div

Collected by/Company: Brown & Root Alfred Barnett Scott Flickinger Tom Nicotera Mike Wulfen

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify	Pesticide	Herbicide 8150	Total Phenol	Acid Extractables	B/N Extractables 8270	PCB's/Pest 8080	Cyanide	Coliform - specify type			Remarks
9609580 -13	1755-10	9/30/96	1040		X	X		2							X		X				X	X				23520 Metals TAL ILM03.0
-14	1755-09	9/30/96	1050		X	X		2							X		X				X	X				VOC 8010
-15	1755-08	9/30/96	1055		X	X		2							X		X				X	X				
-16	1755-07	9/30/96	1105		X	X		2							X		X				X	X				
-17	1755-06	9/30/96	1115		X	X		2							X		X				X	X				
-18	1755-05	9/30/96	1400		X	X		2							X		X				X	X				
-19	1755-03	9/30/96	1410		X	X		2							X		X				X	X				
9610055 -01	1755-04	9/30/96	1430		X	X		2							X		X				X	X				
-02	170PSS	9/30/96	—		X	X		2							X		X				X	X				
-20	1755-02	9/30/96	1455		X	X		2							X		X				X	X				
-18	1755-01	9/30/96	1500		X	X		2							X		X				X	X				
9610017 -06	RB07-100196	10/1/96	0845				X	11						3	1		2			2	2	1				23196.2
-07	S7MW-1	10/1/96	1200	X			X	6							1		2				2	1				.3

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
Scott Flickinger	10/1/96	1800	Fedex 1914373241				

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			R. Nesmith	10-02-96	0900	

2709

White = sample collector Yellow = file Pink = with report

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Charleston, South Carolina 29417
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CHAIN OF CUSTODY RECORD

Page 2 of 2

Client Name/Facility Name: NAS Key West

Collected by/Company: Brown & Root Al Barnett, Scott Flickinger, Tom Nicotera, Mike Whitten

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify	Pesticide	Herbicide 8150	Total Phenol	Acid Extractables	B/N Extractables	PCB's 8080	Cyanide 335.1	Coliform - specify type			Remarks
																	X				X	X				
9610017 -08	S7MW-3	10/1/96	1420	X			X	6							1		2				2	1				*3 Metals TAL ILM03.0
-09	S7MW-2	10/1/96	1515	X			X	6							1		2				2	1				*3 VOC 8270
-10	TB08-100196	9/26/96	1600				X	3						3												*4

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
Scott Flickinger	10/1/96	1800	FedEx 914437324				

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			R. Dessaure	10-2-96	0800	

2710

White = sample collector Yellow = file Pink = with report

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USD

CHAIN OF CUSTODY RECORD

Page 1 of 1

Client Name/Facility Name: NAS Key West / South Div

Collected by/Company: Brown & Root M. Whitten S. Flickinger T. Nicotera A. Barnett

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify TAL	Pesticide	Herbicide 8150	Total Phenol	Acid Extractables	B/N Extractables 8270	PCB's / Pesticide 8080	Cyanide	Coliform - specify type			23545 Remarks
9610087 -11	S7SW-06	10/1/96	1340				X	8							1		2			2	2	1				.1
-12	S7SW-04	10/1/96	1345				X	8							1		2			2	2	1				.1
-13	S7SW-07	10/1/96	1400				X	8							1		2			2	2	1				.1
-14	S7SW-08	10/1/96	1405				X	8							1		2			2	2	1				.1
9610075 -04	S7SS-04	10/1/96	1415		X	X		2							X		X			X	X	X				.2
-05	S7SS-06	10/1/96	1420		X	X		2							X		X			X	X	X				.2
-06	S7SS-07	10/1/96	1425		X	X		2							X		X			X	X	X				.2
-07	S7SS-08	10/1/96	1530		X	X		2		10/2/96					X		X			X	X	X				.2
-15	S7SW-05	10/1/96	1540				X	~~8~~ 13 DSF							1		~~2~~ 5 DSF			2	~~2~~ 4 DSF	1				.1
-08	S7SS-05	10/1/96	1550		X	X		2							X		X			X	X	X				.3 MS/MSD
-09	S7DPSS	10/1/96	—		X	X		2							X		X			X	X	X				.2
-10	13MW-3	10/2/96	0935	X			X	5							1		2				2	~~1~~ VSD 10/10/96				.4

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
Scott Flickinger	10/2/96	1450	FedEx 1914373230				

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			R Desaure	10/03/96	0900	

2711

White = sample collector Yellow = file Pink = with report

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(803) 556-8171

CHAIN OF CUSTODY RECORD

Page 1 of ____

VSD

Client Name/Facility Name: NAS Key West / South Div

Collected by/Company: Scott Flickinger / Tom Nicotera

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

23568

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify	Pesticide	Herbicide 8150	Total Phenol	Acid Extractables	B/N Extractables	PCB's 8080	Cyanide 335.1	Coliform - specify type			Remarks
9610017 -17	ABSW-06	10-02-96	1600				X	(2)							1		5				4	1				Metals TAL/MS/MSD .1
9610055 -10	ABSS-06	10/2/96	1620		X	X	X	2							X		X				X	X				.2
-18	ABSW-10	10/2/96	1650				X								1		~~5~~ 2 (DSF)			(DSF)	~~4~~ 2	1				.1
-11	ABSS-10	10/2/96	1710		X	X									X		X				X	X				.2
-12	135B-1	10/3/96	0805		X	X									X		X				X					.2
13	135B-2	10/3/96	0855		X	X									X		X				X					.2

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
Scott Flickinger	10-3-96	1700	FedEx 1914373226				
Relinquished by:	Date:	Time:	Received by lab by: Dione Franco	Date: 10-4-96	Time:	Remarks:	

White = sample collector Yellow = file Pink = with report

2876

VSI

CHAIN OF CUSTODY RECORD

Page 1 of 1

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2040 Savage Road
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Charleston, South Carolina 29417
(803) 556-8171

Client Name/Facility Name: NAS Key West / South Dive

Collected by/Company: Scott Flickinger Tom Nicotera / Brown & Root

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

23568

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required 8260	METALS - specify TAL	Pesticide	Herbicide 8150	Total Phenol	Acid Extractables	B/N Extractables 8270	PCB's/Pest 8080	Cyanide 335.1	Coliform - specify type			Remarks	
9610017 -19	RB08-100396	10/3/96	1035				X	11						3	1		2			2	2	1				VOC 8260 SVOC 8270	.3
-20	13MW-2 AB	10/3/96	1050	X			X	11						3	1		2			2	2	1				VOC 602 SVOC 610	.4
610140-01	13MW-1 AB	10/3/96	1300	X			X	11						3	1		2			2	2	1					
-02	13DPGW AB	10/3/96	—	X			X	11						3	1		2			2	2	1				Broken VOA	
-03	13MW-3 AB	10/3/96	1320	X			X	11						3	1		2			2	2	1					
9610035 -14	SSSB-1	10/4/96	0740		X	X		2							2												.5
-15	SHSB-1	10/4/96	0820		X	X		2						X	X		X			X	X	X				VOC 8260 SVOC 8270	.6
-04	TB09-100596	9/30/96	1000				X	3						3													.7

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
Scott Flickinger	10-05-96	1300	Fed Ex 1914373182				

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			[signature]	10-07-96	0900	

2877

White = sample collector Yellow = file Pink = with report

VSO

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Charleston, South Carolina 29417
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CHAIN OF CUSTODY RECORD

Page 1 of 2

Client Name/Facility Name: NAS Key West / South Div

Collected by/Company: Brown & Root

Scott Flickinger / Tom Nicotera

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

23613

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required (8260)	METALS - specify (TAL)	Pesticide	Herbicide (8150)	Total Phenol	Acid Extractables	B/N Extractables (8270)	PCB's/Pest	Cyanide	3351	Coliform - specify type			Remarks	
9601072 .01	B8SS	10/4/96	0940		X	X		2						X	X		X			X	X	X					EPA methods	.1
.02	B8SB	10/4/96	1030		X	X		2						X	X		X			X	X	X						
.03	S7SB-24	10/4/96	1415		X	X		2						X	X		X			X	X	X						
.04	S7SB-23	10/4/96	1500		X	X		2						X	X		X			X	X	X						
.05	S7SB-21	10/4/96	1520		X	X		2						X	X		X			X	X	X						
.06	S7DPSB	10/4/96	—		X	X		2						X	X		X			X	X	X						
.07	S7SB-22	10/4/96	1615		X	X		2						X	X		X			X	X	X						
.08	S4SB-2	10/4/96	1640		X	X		2						X	X		X			X	X	X					MS/MSD	.2
.09	~~.8~~ (DSP) B6SB	10/4/96	1745		X	X		2						X	X		X			X	X	X						.1
.10	B7SB	10/4/96	1900		X	X		2						X	X		X			X	X	X						
.11	B4SB	10/4/96	1950		X	X		2						X	X		X			X	X	X						
9610140-05	B6SW	10/5/96	0810				X	11						3	1		2			2	2	1						.3
.12	B6SS	10/5/96	0820		X	X		2						X	X		X			X	X	X						.1

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
Scott Flickinger	10-7-96	1300	FedEx 914373123				

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			R Bernardo	108	0900	

1960

White = sample collector Yellow = file Pink = with report

General Engineering Laboratories, Inc.
2040 Savage Road
Charleston, South Carolina 29414
P.O. Box 30712
Charleston, South Carolina 29417
(803) 556-8171

CHAIN OF CUSTODY RECORD

Client Name/Facility Name: NAS Key West / South Div

Collected by/Company: Brown & Root
Scott Flickinger / Tom Nicotera

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

23613

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required 8260	METALS - specify TAL	Pesticide	Herbicide 8150	Total Phenol	Acid Extractables	B/N Extractables 8270	PCB's/Pest 8080	Cyanide 335.1	Coliform - specify type			Remarks
9610149-06	RB09-100796	10/7/96	1005				X	11						3	1		2			2	2	1				.4
(DUP)	~~TB09-100796~~	~~10/7/96~~ (DUP)																								
-07	TB10-100796	9/30/96	1000				X	3						3												.5

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
Scott Flickinger	10-7-96	1300	Fed Ex 1914373123				
Relinquished by:	Date:	Time:	Received by lab by: R. Dessare	Date: 10/8	Time: 0900	Remarks:	

White = sample collector Yellow = file Pink = with report

T961

VSD 9608422

General Engineering Labo ies, Inc.
2040 Savage Roa
Charleston, South lina 29414
P.O. Box 30712
Charleston, South Carolina 29417
(803) 556-8171

CHAIN OF CUSTODY RECORD

Page 1 of 1

Client Name/Facility Name: NAS Key West Scott Fickling & Paul Calligan

Collected by/Company: Brown & Root Environmental

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

22858

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify	Pesticide	Herbicide	Total Phenol	Acid Extractables	B/N Extractables	PCB's	Cyanide	Coliform - specify type			Remarks
01	IBSS-10	8/18/96	1505		X	X		2							1	1	1									Use those jars pre- labeled metal/cyanide for extra sample .1
02	IBSS-9	8/18/96	1520		X	X		2							1	1	1									
03	IBSS-8	8/18/96	1600		X	X		2							1	1	1									MS/MSD .4
04	IBSS-7	8/18/96	1615		X	X		2							1	1	1									(2 coolers) .1
05	IB[illegible]5	8/18/96	1805		X	X		2							1	1	1									
06	IBSS-4	8/18/96	1805		X	X		2							1	1	1									
07	IBSS-6	8/18/96	1820		X	X		2							1	1	1									
08	IBSS-1	8/18/96	1920		X	X		2							1	1	1									
09	IBSS-2	8/18/96	1940		X	X		2							1	1	1									
10	IBSS-3	8/18/96	1950		X	X		2							1	1	1									
11	IBDPSS-01	8/18/96	1950		X	X		2							1	1	1									
								22 Total																		

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
[signature]	8/19/96	1730	FedEx #1914380204				

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			[signature]	8-20-96	09:00 AM	3°

White = sample collector Yellow = file Pink = with report

1830

Q608422 VSD

General Engineering Lab[illegible], Inc.
2040 Savage Road
Charleston, South Carolina 29414
P.O. Box 30712
Charleston, South Carolina 29417
(803) 556-8171

CHAIN OF CUSTODY RECORD

Client Name/Facility Name: NAS Key West / Navy SouthDiv

Collected by/Company: S. Flickinger / T. Nicolera Brown & Root Env.

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required 8240	METALS - specify 200.7	Pesticide	Herbicide 8150	Total Phenol	Acid Extractables	B/N Extractables 8270	PCB's / Pesticide 8080	Cyanide 335.1	Coliform - specify type			Remarks	
12	RB02-081996	08/19/96	1815				X	10	11	DNG				3	1		2			2	2	1				Cooler #2 except VOC in Cooler #1	.2
13	IBSB-4	08/20/96	0910		X	X		2									1				1					Cooler #1	.1
14	IBSB-5	08/20/96	0930		X	X		2									1				1					Cooler #1	
15	IBSB-6	08/20/96	1015		X	X		2									1				1					Cooler #2	
16	IBSB-7	08/20/96	1030		X	X		2									1				1					Cooler #2	
17	FB01-082096	08/20/96	1535				X	10	11	DNG				3	1	(DSF) ~~2~~	2			2	2	1				VOC Cooler #1 all (DSF)	.2
18	TB02-082096	08/~~7~~ 20/96 (DSF)	1630				X	3						3												Cooler #1	.3
								31																			
			Total																							VOC 8240	
																										Metals 200.7	
																										Herbicides / Organo 8150	
																										SVOC 8270	
																										PCB/Pest 8080	
																										Cyanide 335.1	

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
S. Flickinger	8/20/96	1725	FedEX # 1914380005				

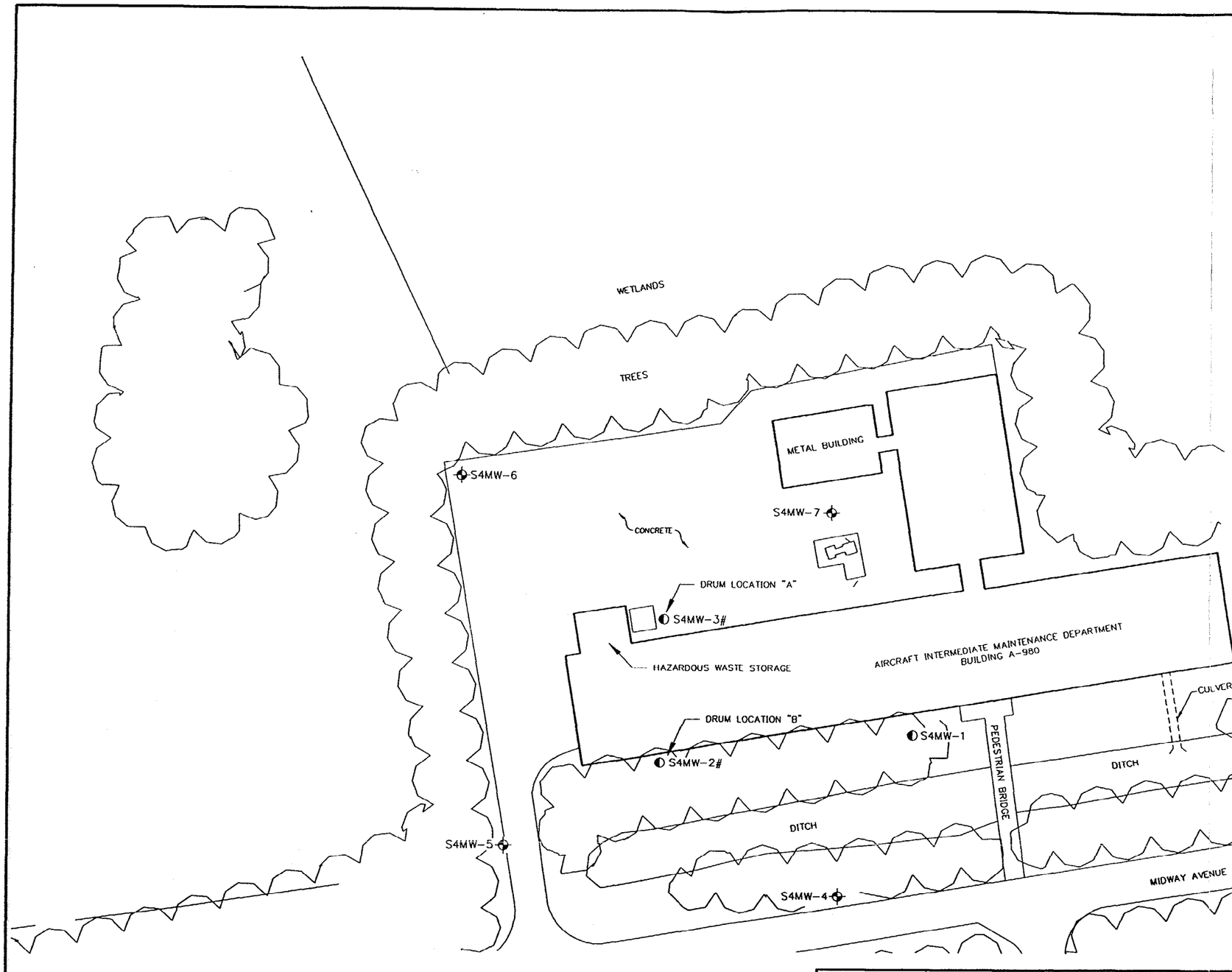
Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
				8-21-96	09:00	30

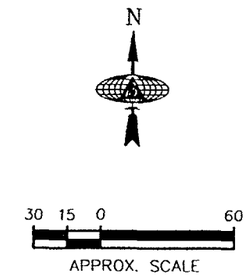
1821

White = sample collector Yellow = file Pink = with report

AM

SURVEYING DATA





SURVEY DATA

LOCATION	NORTHING	EASTING	TOP OF CASING ELEVATION (ft)
S4MW-4	90134.2016	422786.4450	5.46
S4MW-5	90174.0652	422584.8730	7.58
S4MW-6	90399.0510	422557.5818	8.05
S4MW-7	90368.2415	422780.9843	5.25

LEGEND

S4MW-2 ◐ MONITORING WELL LOCATION IT CORPORATION (1993)

S4MW-4 ⊕ MONITORING WELL LOCATION B&R ENVIRONMENTAL (1996)

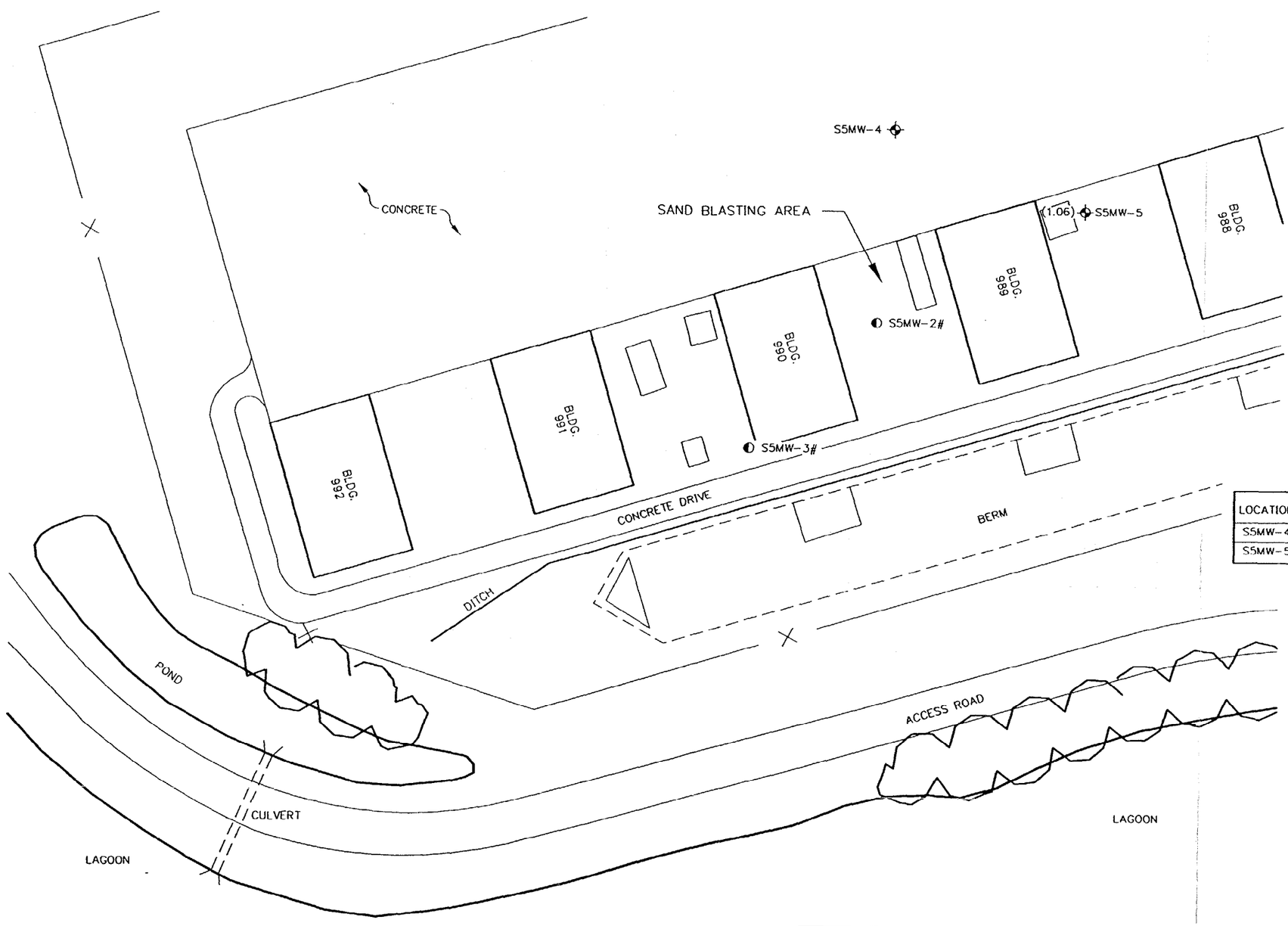
\# ALSO SAMPLED BY B&R ENVIRONMENTAL (1996)

SITE MANAGER: RCD	CHECKED BY: KW
DRAWN BY: SAS	DRAWING DATE: 6/4/97
SURVEYED BY: TCB	SURVEY DATE: 9/16/96
SCALE: AS SHOWN	
CAD DWG. NO.: 7046980G1	PROJ. NO.: HK7046

Brown & Root Environmental

FIGURE G-1
SURVEY DATA
SWMU 4
NAVAL AIR STATION
KEY WEST, FLORIDA

0103FB17



N

25 13 0 50

APPROX. SCALE

SURVEY DATA

LOCATION	NORTHING	EASTING	TOP OF CASING ELEVATION (ft)
S5MW-4	86292.7198	423278.1193	3.67
S5MW-5	86115.8739	423176.8298	7.25

LEGEND

S5MW-2 ◐ MONITORING WELL LOCATION IT CORPORATION (1993)

S5MW-4 ⊕ MONITORING WELL LOCATION B&R ENVIRONMENTAL (1996)

ALSO SAMPLED BY B&R ENVIRONMENTAL (1996)

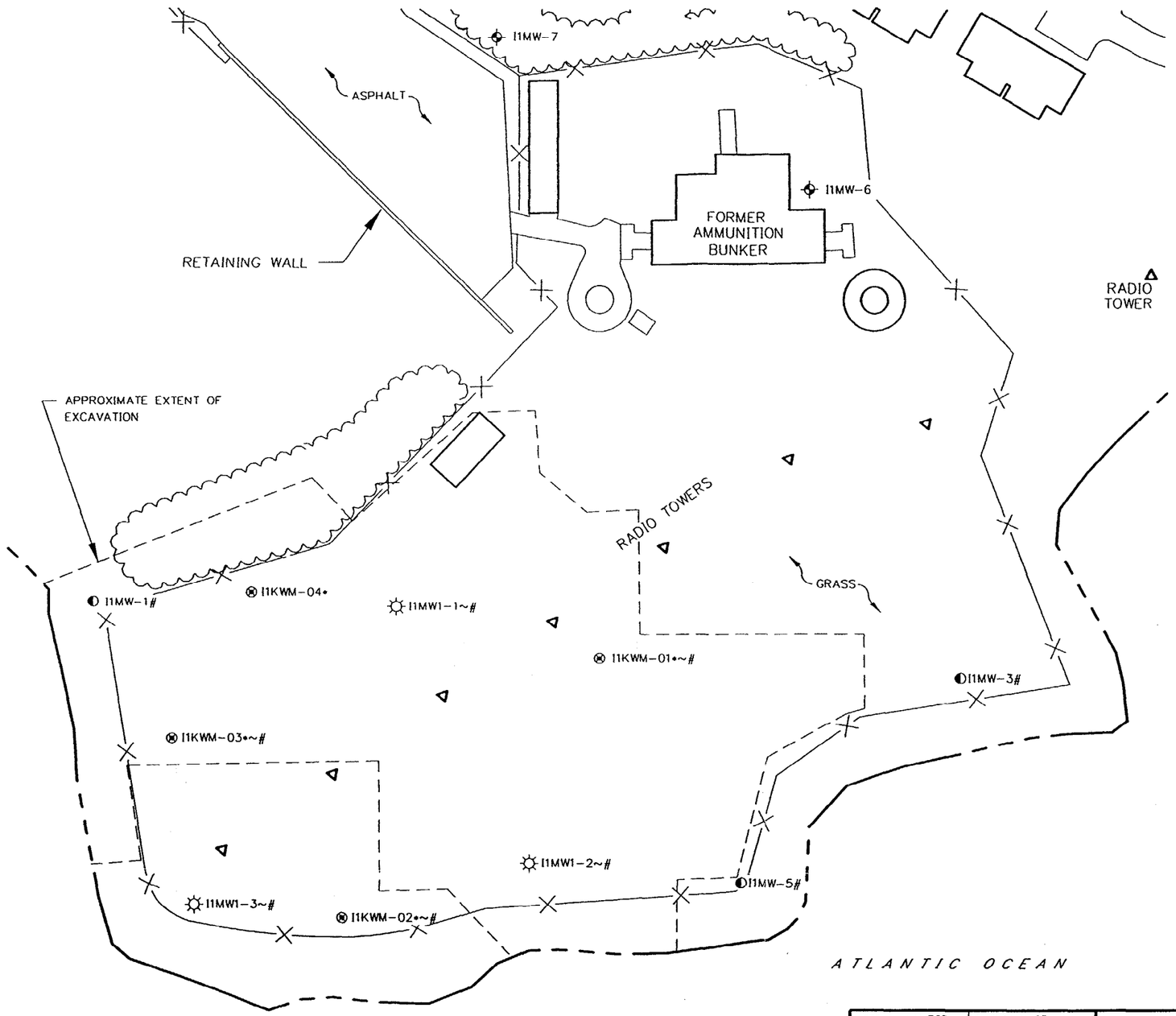
SITE MANAGER: RCD	CHECKED BY: KW
DRAWN BY: SAS	DRAWING DATE: 6/4/97
SURVEYED BY: TCB	SURVEY DATE: 9/17/96
SCALE: AS SHOWN	
CAD DWG. NO.: 7046990G2	PROJ. NO.: HK7046

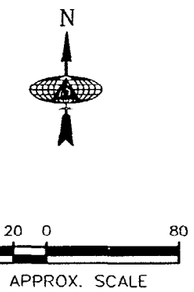
Brown & Root Environmental

FIGURE G-2

SURVEY DATA
SWMU 5

NAVAL AIR STATION
KEY WEST, FLORIDA





SURVEY DATA

LOCATION	NORTHING	EASTING	TOP OF CASING ELEVATION (ft)
I1MW-1	77639.9897	388574.4960	10.35
I1MW-3	77553.2131	389122.0212	9.75
I1MW-5	77504.9723	388940.8610	12.77
I1MW1-1	77645.8748	388691.5484	12.09
I1MW1-2	77441.6868	388645.4088	9.74
I1KWM-01	77607.3880	388843.8953	8.51

LEGEND

I1KWM-02 ⊗ MONITORING WELL LOCATION GERAGHTY & MILLER (1986)

I1MW1-1 ☼ MONITORING WELL LOCATION IT CORPORATION (1990)

I1MW-1 ◐ MONITORING WELL LOCATION IT CORPORATION (1993)

I1MW-6 ⊕ MONITORING WELL LOCATION B&R ENVIRONMENTAL (1996)

• ALSO SAMPLED BY IT CORPORATION IN 1990

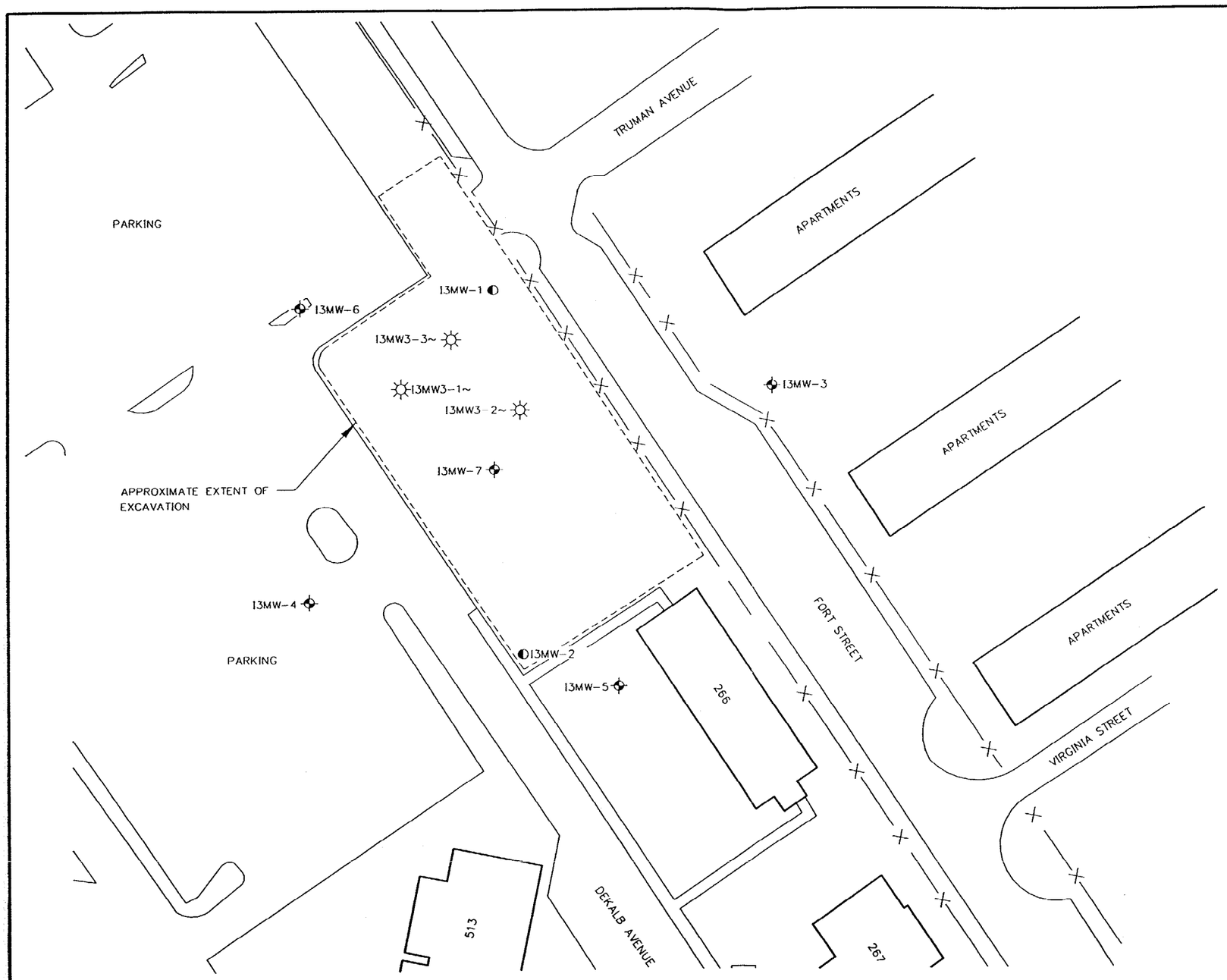
~ ALSO SAMPLED BY IT CORPORATION IN 1993

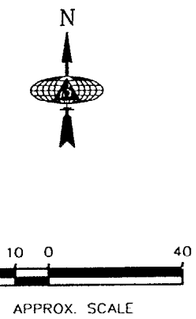
ALSO SAMPLED BY B&R ENVIRONMENTAL IN 1996

SITE MANAGER: RCD	CHECKED BY: CB
DRAWN BY: SAS	DRAWING DATE: 6/3/97
SURVEYED BY: TCB	SURVEY DATE: 9/18/96
SCALE: AS SHOWN	
CAD DWG. NO.: 7046IR1G3	PROJ. NO.: 7046

Brown & Root Environmental

FIGURE G-3
SURVEY DATA
IR 1
NAVAL AIR STATION
KEY WEST, FLORIDA





SURVEY DATA

LOCATION	NORTHING	EASTING	TOP OF CASING ELEVATION (ft)
13MW-4	78804.2975	389084.5014	7.04
13MW-5	78774.1191	389073.1083	6.71
13MW-6	78893.7521	389009.3051	7.24
13MW-7	78831.3091	389050.4712	7.11

LEGEND

13MW3-1 MONITORING WELL LOCATION IT CORPORATION (1990)

13MW-1 MONITORING WELL LOCATION IT CORPORATION (1993)

13MW-3 MONITORING WELL LOCATION B&R ENVIRONMENTAL (1996)

~ ALSO SAMPLED BY IT CORPORATION (1993)

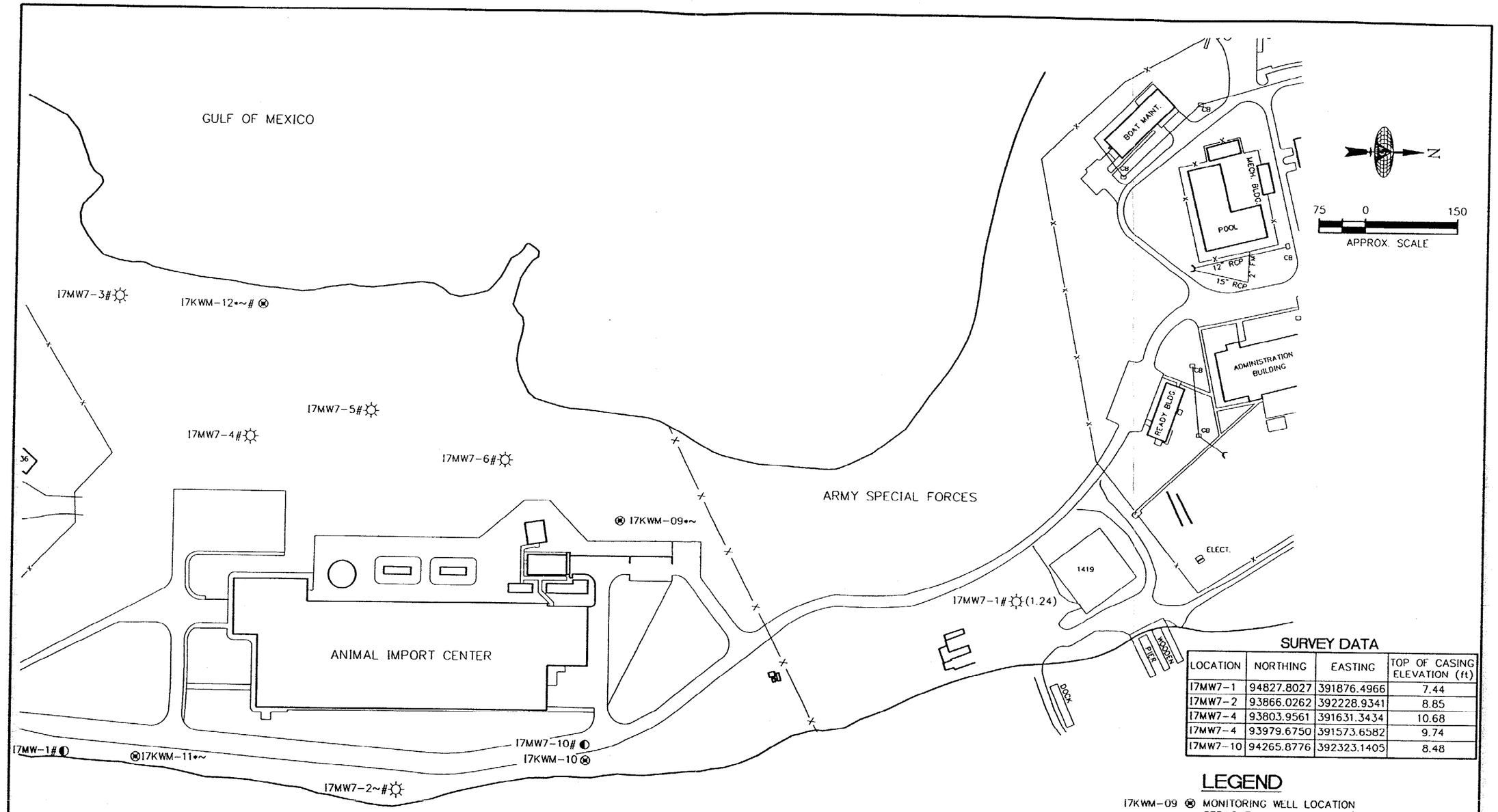
SITE MANAGER: RCD	CHECKED BY: CB
DRAWN BY: SAS	DRAWING DATE: 6/5/97
SURVEYED BY: TCB	SURVEY DATE: 9/18/96
SCALE: AS SHOWN	
CAD DWG. NO.: 7046IR3G4	PROJ. NO.: 7046

Brown & Root Environmental

FIGURE G-4

SURVEY DATA
IR 3

NAVAL AIR STATION
KEY WEST, FLORIDA



NOTE: 17KWM-10 WAS DESTROYED.
17MW7-10 WAS INSTALLED AT THE SAME LOCATION BY IT IN 1993.

SURVEY DATA

LOCATION	NORTHING	EASTING	TOP OF CASING ELEVATION (ft)
17MW7-1	94827.8027	391876.4966	7.44
17MW7-2	93866.0262	392228.9341	8.85
17MW7-4	93803.9561	391631.3434	10.68
17MW7-4	93979.6750	391573.6582	9.74
17MW7-10	94265.8776	392323.1405	8.48

LEGEND

17KWM-09 ⊗ MONITORING WELL LOCATION GERAGHTY & MILLER, INC. (1986)

17MW7-1 ☼ MONITORING WELL LOCATION IT CORPORATION (1990)

17MW-1 ◐ MONITORING WELL LOCATION IT CORPORATION (1993)

• ALSO SAMPLED BY IT CORPORATION IN 1990

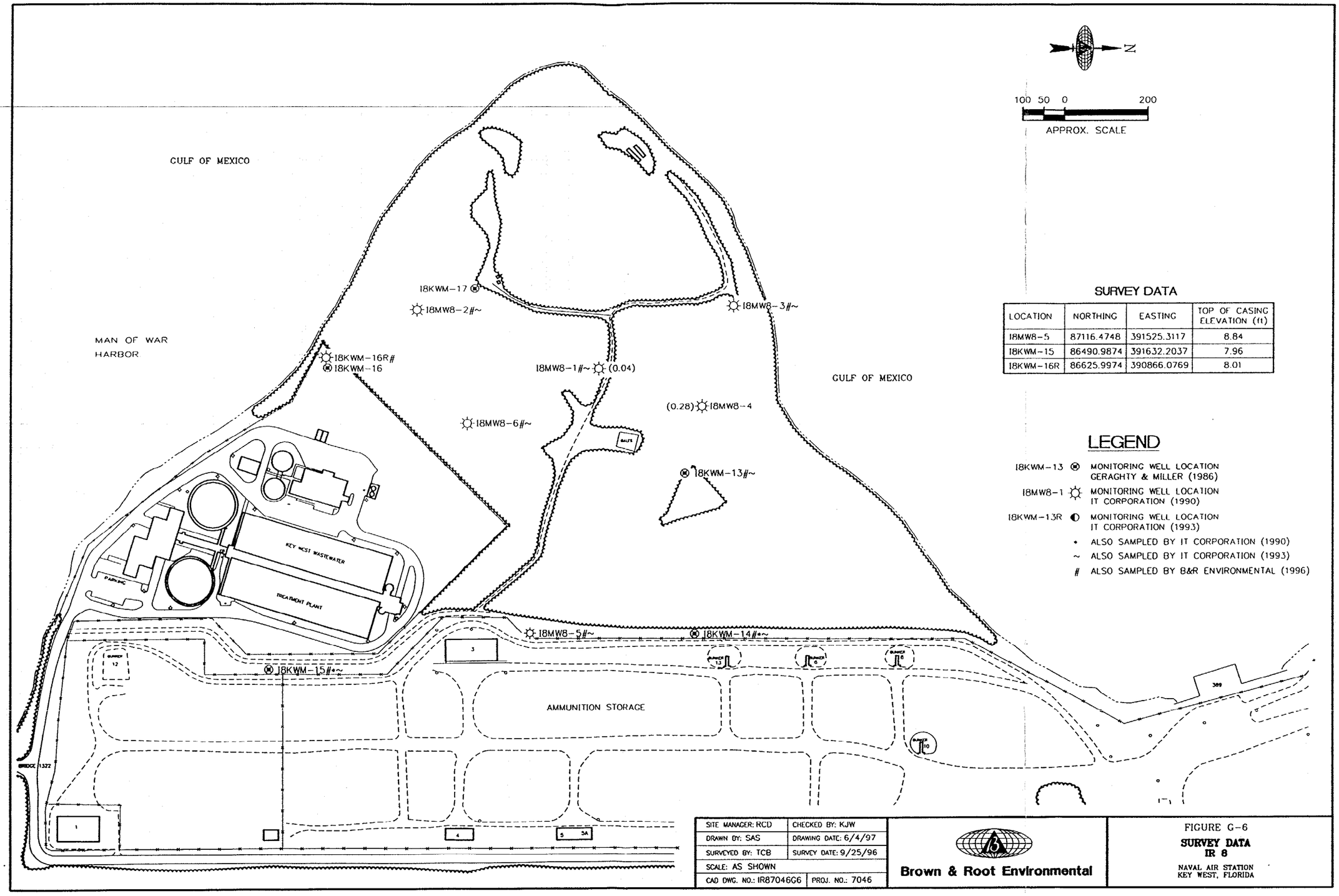
~ ALSO SAMPLED BY IT CORPORATION IN 1993

ALSO SAMPLED BY B&R ENVIRONMENTAL IN 1996

SITE MANAGER: RCD	CHECKED BY: KJW
DRAWN BY: SAS	DRAWING DATE: 6/4/97
SURVEYED BY: TCB	SURVEY DATE: 9/19/96
SCALE: AS SHOWN	
CAD DWG. NO.: 7046IR7C5	PROJ. NO.: 7046

Brown & Root Environmental

FIGURE G-5
SURVEY DATA
IR 7
NAVAL AIR STATION
KEY WEST, FLORIDA



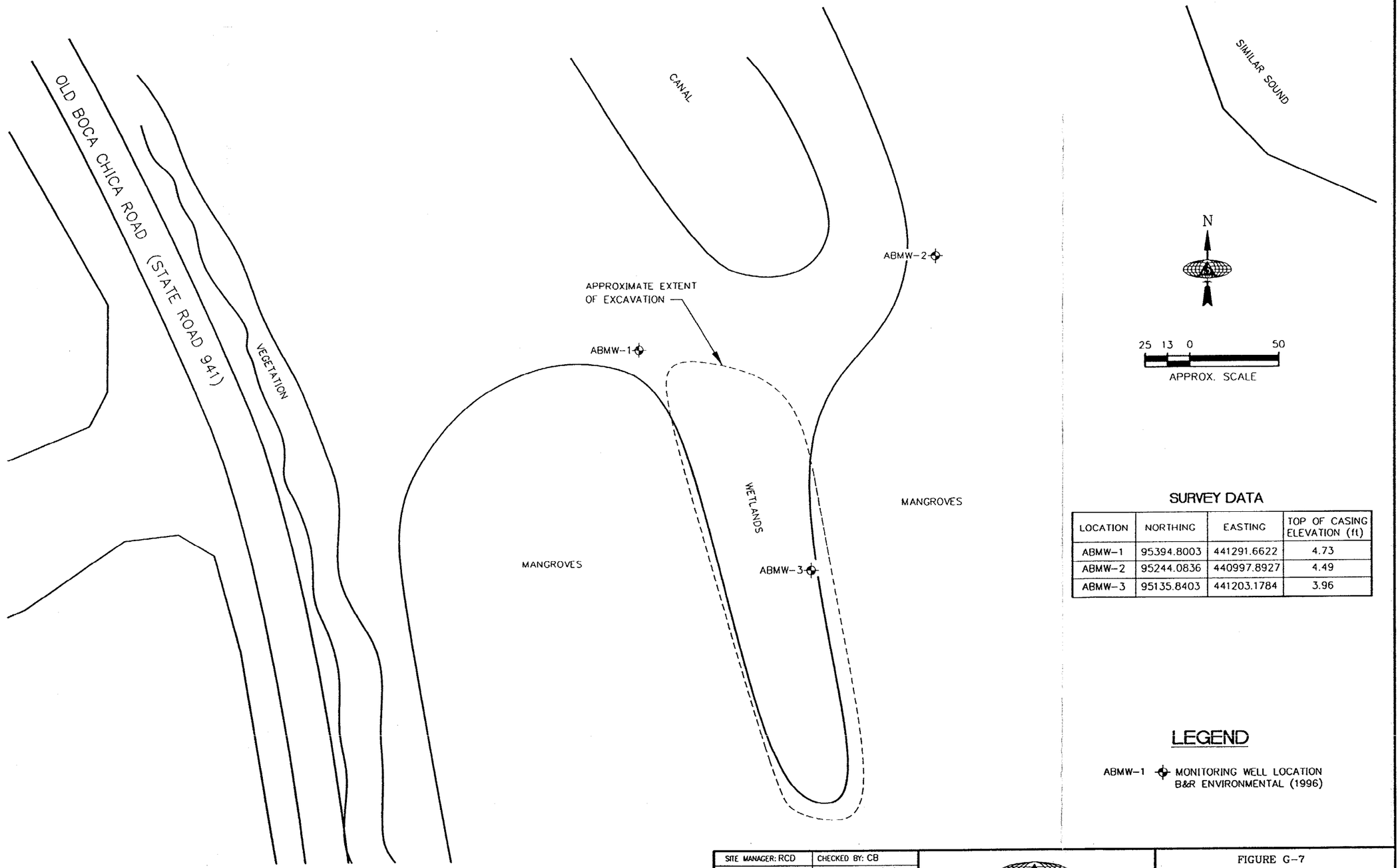
SURVEY DATA

LOCATION	NORTHING	EASTING	TOP OF CASING ELEVATION (ft)
18MW8-5	87116.4748	391525.3117	8.84
18KWM-15	86490.9874	391632.2037	7.96
18KWM-16R	86625.9974	390866.0769	8.01

SITE MANAGER: RCD	CHECKED BY: KJW
DRAWN BY: SAS	DRAWING DATE: 6/4/97
SURVEYED BY: TCB	SURVEY DATE: 9/25/96
SCALE: AS SHOWN	
CAD DWG. NO.: IR87046G6	PROJ. NO.: 7046

Brown & Root Environmental

FIGURE G-6
SURVEY DATA
IR 8
NAVAL AIR STATION
KEY WEST, FLORIDA



SURVEY DATA

LOCATION	NORTHING	EASTING	TOP OF CASING ELEVATION (ft)
ABMW-1	95394.8003	441291.6622	4.73
ABMW-2	95244.0836	440997.8927	4.49
ABMW-3	95135.8403	441203.1784	3.96

LEGEND

ABMW-1 MONITORING WELL LOCATION B&R ENVIRONMENTAL (1996)

SITE MANAGER: RCD	CHECKED BY: CB
DRAWN BY: SAS	DRAWING DATE: 6/3/97
SURVEYED BY: TCB	SURVEY DATE: 9/24/96
SCALE: AS SHOWN	
CAD DWG. NO.: 7046AOCG7	PROJ. NO.: 7046

Brown & Root Environmental

FIGURE G-7

SURVEY DATA
AOC B

NAVAL AIR STATION
KEY WEST, FLORIDA

APPENDIX H

FULL DATA SET PRINTOUT

Appendix H contains the full data set used in analysis and discussion in the Supplemental RFI/RI for Eight Sites at NAS Key West. Data obtained during the Supplemental RFI/RI is included, as is all applicable data from previous investigations. Only data that was used directly is shown here. Values that were rejected during the data validation process are not shown, so it may not always be possible to determine what analyses were run on a given sample from this data set. Also, individual duplicate sample results are not shown here. Duplicates were averaged in order to obtain a single set of results for a given sample location during a given investigation. The resulting average values are reflected in this data set.

Appendix H is divided into 6 sections, H-1 through H-6. These sections contain data characterizing subsurface soil, surface soil, sediment, surface water, groundwater, and tissue, respectively. Within each section, samples are sorted by site, then by year (with the earliest samples being shown first). The data within each sample is divided by analytical fraction (e.g. inorganics, volatile organic compounds, etc.). As explained below, identifying information is provided at the beginning of each set sample data.

Soil, sediment, surface-water, and groundwater sample information is presented as shown below.

SAMPLE LOCATION	SAMPLE ID	SOURCE OF DATA	DEPTH
This indicates where a given sample was collected. The sample locations are shown on figures in the site-specific chapters of the Supplemental RFI/RI Report.	This provides the sample ID used during the originating investigation.	The investigation which originated the data is indicated here. B&RE = 1996 B&R Environmental Supplemental RFI/RI BEI(D) = 1995 BEI Delineation Investigation BEI (C) = 1995-1996 BEI Confirmation Investigation IT(1991) = 1990 IT Corporation RI IT(1994) = 1994 IT Corporation RFI/RI GM = 1986 Geraghty and Miller Verification Study	Where applicable, this indicates the top of the sampling interval.

Tissue sample information appears as shown below.

SAMPLE ID	TISSUE TYPE	SPECIES
Indicates the sample ID used by B&R Environmental during the Supplemental RFI/RI.	Indicates the type of biota that was sampled (e.g. fish, vegetation, crab, etc.).	Indicates the species of the tissue sample (e.g. sailfin molly, spiny spider crab, milk conch, etc.).

APPENDIX H-1

Keywest MOD01 Sup[illegible]nental RFI/RI Sites
Subsurface Soil Data Set

PARAMETER	RESULT	QUAL
IR 1		
I1B14 KW2621 BEI(D) 1 ft		
INORGANICS (mg/kg)		
Aluminum	270	
Antimony	2	BEN
Arsenic	4	E
Barium	16.6	BN
Beryllium	0.09	B
Cadmium	0.42	BN
Chromium	7.6	EN
Cobalt	0.32	BE
Copper	118	
Iron	1010	E
Lead	88.4	E*
Manganese	16.6	E
Mercury	0.37	N
Nickel	2	BE
Selenium	0.28	UN
Silver	0.14	U
Thallium	0.33	UN
Vanadium	2.7	B
Zinc	84.8	
I1D11 KW02235 BEI(D) 1 ft		
INORGANICS (mg/kg)		
Aluminum	634	
Antimony	4.7	
Arsenic	3.1	
Barium	24.3	
Beryllium	0.07	B
Cadmium	0.53	B
Chromium	22.2	
Cobalt	0.67	B
Copper	265	
Iron	2140	
Lead	173	
Manganese	80.1	
Mercury	0.9	
Nickel	4.2	B
Selenium	0.39	U
Silver	1	U
Thallium	0.54	U
Vanadium	0.54	U
Zinc	220	
I1D13 KW02233 BEI(D) 1 ft		
INORGANICS (mg/kg)		
Aluminum	759	
Antimony	1.3	B
Arsenic	2.4	
Barium	15.5	
Beryllium	0.05	B
Cadmium	0.89	B
Chromium	20.6	
Cobalt	0.6	B
Copper	432	
Iron	1740	
Lead	187	
Manganese	22.9	
Mercury	1.2	
Nickel	3.4	B
Selenium	0.29	U
Silver	0.76	U
Thallium	0.41	U
Vanadium	0.41	U
Zinc	198	
I1E10 KW02256 BEI(D) 1 ft		
INORGANICS (mg/kg)		
Aluminum	678	
Antimony	0.22	U
Arsenic	0.79	B
Barium	4.9	B
Beryllium	0.06	B
Cadmium	0.37	U
Chromium	3.6	B
Cobalt	0.38	U
Copper	0.94	U
Iron	343	
Lead	4.1	U
Manganese	4.2	B
Mercury	0.02	B
Nickel	0.89	B
Selenium	0.34	U
Silver	0.87	U
Thallium	0.47	U
Vanadium	0.47	U
Zinc	2.2	B
I1E12 KW02298 BEI(D) 1 ft		
INORGANICS (mg/kg)		
Aluminum	782	
Antimony	2.3	
Arsenic	2.7	
Barium	19.3	
Beryllium	0.05	B
Cadmium	0.34	U
Chromium	11.7	
Cobalt	1	B
Copper	204	
Iron	1260	
Lead	73.1	
Manganese	19.5	
Mercury	0.63	
Nickel	2.6	B
Selenium	0.31	U
Silver	0.81	U
Thallium	0.44	U
Vanadium	0.44	U
Zinc	94.1	
I1E14 KW02296 BEI(D) 1 ft		
INORGANICS (mg/kg)		
Aluminum	347	
Antimony	2.1	
Arsenic	1.4	B
Barium	24.5	
Beryllium	0.03	B
Cadmium	0.33	U
Chromium	5.6	
Cobalt	0.46	B
Copper	47.7	
Iron	762	
Lead	105	
Manganese	11.7	
Mercury	0.1	
Nickel	2.3	B
Selenium	0.3	U
Silver	0.77	U
Thallium	0.41	U
Vanadium	0.41	U
Zinc	74.3	
I1G10 KW02258 BEI(D) 1 ft		
INORGANICS (mg/kg)		
Aluminum	1590	
Antimony	10.1	
Arsenic	5.6	
Barium	54.8	
Beryllium	0.08	B
Cadmium	0.61	B
Chromium	20.4	
Cobalt	1.5	B
Copper	221	
Iron	14200	
Lead	382	
Manganese	163	
Mercury	0.56	
Nickel	14.8	
Selenium	0.32	U
Silver	0.83	U
Thallium	0.45	B
Vanadium	0.45	U
Zinc	1050	
IR 7		
I7SB-1 AS1363/64-AVG IT(1994) 4 ft		
INORGANICS (mg/kg)		
Aluminum	384.5	
Antimony	3.1	B
Arsenic	3.3	
Barium	6.05	B
Beryllium	0.115	U
Cadmium	0.595	U
Chromium	4.3	
Cobalt	2.4	U
Copper	8.25	
Cyanide	13.5	U
Iron	5500	
Lead	15.25	
Manganese	26.55	
Mercury	0.095	
Nickel	2.9	B
Selenium	1.05	U
Silver	0.595	U
Thallium	0.24	U
Vanadium	3.75	B
Zinc	47.7	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4-trichlorobenzene	2250	U
1,2-dichlorobenzene	2250	U
1,3-dichlorobenzene	2250	U
1,4-dichlorobenzene	2250	U
2,4,5-trichlorophenol	11000	U
2,4,6-trichlorophenol	2250	U
2,4-dichlorophenol	2250	U
2,4-dimethylphenol	2250	U
2,4-dinitrophenol	11000	U
2,4-dinitrotoluene	2250	U
2,6-dinitrotoluene	2250	U
2-chloronaphthalene	2250	U
2-chlorophenol	2250	U
2-methyl-4,6-dinitrophenol	11000	U
2-methylnaphthalene	2250	U
2-methylphenol	2250	U
2-nitroaniline	11000	U
2-nitrophenol	2250	U
3,3'-dichlorobenzidine	4550	U
3-nitroaniline	11000	U
4-bromophenyl phenyl ether	2250	U
4-chloro-3-methylphenol	2250	U
4-chloroaniline	2250	U
4-chlorophenyl phenyl ether	2250	U
4-methylphenol	2250	U
4-nitroaniline	11000	U
4-nitrophenol	11000	U

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PARAMETER	RESULT	QUAL
Acenaphthene	2250	U
Acenaphthylene	2250	U
Anthracene	2250	U
Benzo(a)anthracene	2250	U
Benzo(a)pyrene	2250	U
Benzo(b)fluoranthene	2250	U
Benzo(g,h,i)perylene	2250	U
Benzo(k)fluoranthene	2250	U
Benzoic acid	11000	U
Benzyl alcohol	2250	U
Bis(2-chloroethoxy)methane	2250	U
Bis(2-chloroethyl)ether	2250	U
Bis(2-ethylhexyl)phthalate	1125	J
Butyl benzyl phthalate	2250	U
Chrysene	2250	U
Di-n-butyl phthalate	2250	U
Di-n-octyl phthalate	2250	U
Dibenzo(a,h)anthracene	2250	U
Dibenzofuran	2250	U
Diethyl phthalate	2250	U
Dimethyl phthalate	2250	U
Fluoranthene	2250	U
Fluorene	2250	U
Hexachlorobenzene	2250	U
Hexachlorobutadiene	2250	U
Hexachlorocyclopentadiene	2250	U
Hexachloroethane	2250	U
Indeno(1,2,3-cd)pyrene	2250	U
Isophorone	2250	U
N-nitroso-di-n-propylamine	2250	U
N-nitrosodiphenylamine	2250	U
Naphthalene	2250	U
Nitrobenzene	2250	U
Pentachlorophenol	11000	U
Phenanthrene	2250	U
Phenol	2250	U
Pyrene	2250	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1-trichloroethane	7	U
1,1,2,2-tetrachloroethane	7	U
1,1,2-trichloroethane	7	U
1,1-dichloroethane	7	U
1,1-dichloroethene	7	U
1,2-dichloroethane	7	U
1,2-dichloroethene	2.75	J
1,2-dichloropropane	7	U
2-butanone	14	U
2-hexanone	14	U
4-methyl-2-pentanone	14	U
Acetone	75	

PARAMETER	RESULT	QUAL
Benzene	7	U
Bis(2-chloroisopropyl)ether	2250	U
Bromodichloromethane	7	U
Bromoform	7	U
Bromomethane	14	U
Carbon disulfide	7	U
Carbon tetrachloride	7	U
Chlorobenzene	7	U
Chloroethane	14	U
Chloroform	7	U
Chloromethane	14	U
Cis-1,3-dichloropropene	7	U
Dibromochloromethane	7	U
Ethylbenzene	7	U
Methylene chloride	38	B
Styrene	7	U
Tetrachloroethene	7	U
Toluene	7	U
Trans-1,3-dichloropropene	7	U
Trichloroethene	7	U
Vinyl acetate	14	U
Vinyl chloride	14	U
Xylenes, total	7	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	21	U
4,4'-DDE	21	U
4,4'-DDT	21	U
Aldrin	11	U
alpha-BHC	11	U
alpha-chlordane	110	U
Aroclor-1016	110	U
Aroclor-1221	110	U
Aroclor-1232	110	U
Aroclor-1242	110	U
Aroclor-1248	110	U
Aroclor-1254	210	U
Aroclor-1260	210	U
beta-BHC	11	U
delta-BHC	11	U
Dieldrin	21	U
Endosulfan I	11	U
Endosulfan II	37.75	
Endosulfan sulfate	21	U
Endrin	21	U
Endrin ketone	21	U
gamma-BHC (lindane)	11	U
gamma-chlordane	110	U
Heptachlor	11	U
Heptachlor epoxide	11	U
Methoxychlor	110	U

PARAMETER	RESULT	QUAL
Toxaphene	210	U
I7SB-4 AS1359 IT(1994) 4 ft		
INORGANICS (mg/kg)		
Aluminum	422	
Antimony	50.3	
Arsenic	8.4	
Barium	18.8	B
Cadmium	3.5	
Chromium	26.4	
Cobalt	14.3	
Copper	53.9	
Lead	337	
Manganese	158	
Mercury	0.3	
Nickel	9.2	
Vanadium	5.8	
Zinc	5940	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
Bis(2-ethylhexyl)phthalate	620	J
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
Acetone	44	
Methylene chloride	20	B
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	140	
4,4'-DDE	300	
4,4'-DDT	28	
Aroclor-1242	970	
Aroclor-1254	450	
IR 8		
I8SB-1 AS1557 IT(1994) 5 ft		
INORGANICS (mg/kg)		
Antimony	6	B
Arsenic	3.9	
Barium	11.4	B
Beryllium	0.13	U
Cadmium	0.63	U
Chromium	45.2	
Cobalt	2.5	U
Copper	53.6	
Lead	168	
Mercury	0.14	
Nickel	5.9	
Selenium	1.3	U
Silver	0.63	U
Thallium	1	U
Tin	26.9	
Vanadium	2.3	B
Zinc	176	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.8	U

PARAMETER	RESULT	QUAL
1,3-dichlorobenzene	3.9	U
1,4-dichlorobenzene	2.9	U
Acenaphthene	190	U*
Acenaphthylene	190	U*
Anthracene	96	U*
Benzo(a)anthracene	96	U*
Benzo(a)pyrene	96	U*
Benzo(b)fluoranthene	96	U*
Benzo(g,h,i)perylene	96	U*
Benzo(k)fluoranthene	96	U*
Chrysene	96	U*
Dibenzo(a,h)anthracene	96	U*
Fluoranthene	96	U*
Fluorene	96	U*
Indeno(1,2,3-cd)pyrene	96	U*
Naphthalene	190	U*
Phenanthrene	96	U*
Pyrene	96	U*
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.2	U*
1,1-dichloroethane	0.9	U
1,1-dichloroethene	1.6	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.4	U*
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U
2-chloroethyl vinyl ether	1.6	U
Benzene	2.5	U
Bis(2-chloroisopropyl)ether	25	U
Bromobenzene	2.5	U
Bromodichloromethane	1.2	U
Bromoform	2.5	U
Bromomethane	1.5	U
Carbon tetrachloride	1.5	U
Chlorobenzene	2.5	U
Chloroethane	6.4	U
Chloroform	0.6	U
Chloromethane	1	U
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	4.2	U
Dibromochloromethane	1.1	U
Dibromomethane	2.5	U
Dichlorodifluoromethane	2.2	U
Ethylbenzene	2.5	U
Methylene chloride	18	U*
Tetrachloroethene	0.4	U

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PARAMETER	RESULT	QUAL
Toluene	2.5	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	4.2	U
Trichloroethene	1.5	U
Trichlorofluoromethane	2.5	U
Vinyl chloride	2.2	U
Xylenes, total	1.2	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	8	U
4,4'-DDE	3	UNC*
4,4'-DDT	8	U
Aldrin	2	U
alpha-BHC	7	UNC*
beta-BHC	4	U
Chlordane	29	U*
delta-BHC	6	U
Dieldrin	2	U
Endosulfan I	9	U
Endosulfan II	2	U
Endosulfan sulfate	40	U
Endrin	4	U
Endrin aldehyde	16	U
gamma-BHC (lindane)	3	U
Heptachlor	2	U
Heptachlor epoxide	60	U
Methoxychlor	120	U
Toxaphene	160	U
I8SB-2 AS1553/55-AVG IT(1994) 5 ft		
INORGANICS (mg/kg)		
Antimony	2.9	B
Arsenic	2.05	B
Barium	17.1	B
Beryllium	0.12	U
Cadmium	20.2	
Chromium	8.75	
Cobalt	2.45	U
Copper	11.2	
Lead	66.3	
Mercury	0.065	
Nickel	2.45	U
Selenium	1.0775	
Silver	0.605	U
Thallium	1.51	
Tin	18.5	B
Vanadium	1.5	B
Zinc	82.75	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	4.55	
1,3-dichlorobenzene	3.75	U
1,4-dichlorobenzene	62.5	D1:5

PARAMETER	RESULT	QUAL
Acenaphthene	200	U*
Acenaphthylene	200	U*
Anthracene	100	U*
Benzo(a)anthracene	100	U*
Benzo(a)pyrene	100	U*
Benzo(b)fluoranthene	100	U*
Benzo(g,h,i)perylene	100	U*
Benzo(k)fluoranthene	100	U*
Chrysene	100	U*
Dibenzo(a,h)anthracene	100	U*
Fluoranthene	100	U*
Fluorene	100	U*
Indeno(1,2,3-cd)pyrene	100	U*
Naphthalene	200	U*
Phenanthrene	100	U*
Pyrene	100	U*
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.35	U
1,1,1-trichloroethane	0.35	U
1,1,2,2-tetrachloroethane	0.35	U
1,1,2-trichloroethane	0.15	
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.5	U
1,2,3-trichloropropane	1.15	U
1,2-dichloroethane	0.35	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.15	U
2-chloroethyl vinyl ether	1.5	U
Benzene	2.35	U
Bis(2-chloroisopropyl)ether	23.5	U
Bromobenzene	2.35	U
Bromodichloromethane	1.15	U
Bromoform	2.35	U
Bromomethane	1.4	U
Carbon tetrachloride	1.4	U
Chlorobenzene	2.35	U
Chloroethane	6.05	U
Chloroform	0.6	U
Chloromethane	0.9	U
Chlorotoluene	1.15	U
Cis-1,2-dichloroethene	1.15	U
Cis-1,3-dichloropropene	3.95	U
Dibromochloromethane	1.05	U
Dibromomethane	2.35	U
Dichlorodifluoromethane	2.1	U
Ethylbenzene	2.8	
Methylene chloride	17.5	U*
Tetrachloroethene	0.35	U
Toluene	2.35	U
Trans-1,2-dichloroethene	1.15	U

PARAMETER	RESULT	QUAL
Trans-1,3-dichloropropene	3.95	U
Trichloroethene	1.4	U
Trichlorofluoromethane	2.35	U
Vinyl chloride	2.1	U
Xylenes, total	8.8	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	8	U
4,4'-DDE	27.5	UNC*
4,4'-DDT	12.5	UNC*
Aldrin	4.5	U*
alpha-BHC	2	U
beta-BHC	54.5	U*
Chlordane	16.5	U*
delta-BHC	6	U
Dieldrin	17.25	C
Endosulfan I	9	U
Endosulfan II	4	UNC*
Endosulfan sulfate	40	U
Endrin	4	U
Endrin aldehyde	16	U
gamma-BHC (lindane)	20.5	UNC*
Heptachlor	7.5	UNC*
Heptachlor epoxide	60	U
Methoxychlor	120	U
Toxaphene	160	U
I8SB-2 AS1556 IT(1994) 15 ft		
INORGANICS (mg/kg)		
Aluminum	454	
Antimony	4.3	U
Arsenic	0.57	U
Barium	7.7	B
Beryllium	0.14	U
Cadmium	0.71	U
Chromium	5.3	
Cobalt	2.8	U
Copper	1.9	B
Cyanide	16	
Iron	506	
Lead	6.2	
Manganese	7.6	
Mercury	0.04	
Nickel	2.8	U
Selenium	0.85	U
Silver	0.71	U
Thallium	0.28	U
Tin	4.3	U
Vanadium	1.4	B
Zinc	6.3	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4-trichlorobenzene	940	U

PARAMETER	RESULT	QUAL
1,2-dichlorobenzene	940	U
1,3-dichlorobenzene	940	U
1,4-dichlorobenzene	940	U
2,4,5-trichlorophenol	4600	U
2,4,6-trichlorophenol	940	U
2,4-dichlorophenol	940	U
2,4-dimethylphenol	940	U
2,4-dinitrophenol	4600	U
2,4-dinitrotoluene	940	U
2,6-dinitrotoluene	940	U
2-chloronaphthalene	940	U
2-chlorophenol	940	U
2-methyl-4,6-dinitrophenol	4600	U
2-methylnaphthalene	940	U
2-methylphenol	940	U
2-nitroaniline	4600	U
2-nitrophenol	940	U
3,3'-dichlorobenzidine	1900	U
3-nitroaniline	4600	U
4-bromophenyl phenyl ether	940	U
4-chloro-3-methylphenol	940	U
4-chloroaniline	940	U
4-chlorophenyl phenyl ether	940	U
4-methylphenol	940	U
4-nitroaniline	4600	U
4-nitrophenol	4600	U
Acenaphthene	940	U
Acenaphthylene	940	U
Anthracene	940	U
Benzo(a)anthracene	940	U
Benzo(a)pyrene	940	U
Benzo(b)fluoranthene	940	U
Benzo(g,h,i)perylene	940	U
Benzo(k)fluoranthene	940	U
Benzoic acid	4600	U
Benzyl alcohol	940	U
Bis(2-chloroethoxy)methane	940	U
Bis(2-chloroethyl)ether	940	U
Bis(2-ethylhexyl)phthalate	940	U
Butyl benzyl phthalate	940	U
Chrysene	940	U
Di-n-butyl phthalate	940	U
Di-n-octyl phthalate	940	U
Dibenzo(a,h)anthracene	940	U
Dibenzofuran	940	U
Diethyl phthalate	940	U
Dimethyl phthalate	940	U
Fluoranthene	940	U
Fluorene	940	U
Hexachlorobenzene	940	U

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PARAMETER	RESULT	QUAL
Hexachlorobutadiene	940	U
Hexachlorocyclopentadiene	940	U
Hexachloroethane	940	U
Indeno(1,2,3-cd)pyrene	940	U
Isophorone	940	U
N-nitroso-di-n-propylamine	940	U
N-nitrosodiphenylamine	940	U
Naphthalene	940	U
Nitrobenzene	940	U
Pentachlorophenol	4600	U
Phenanthrene	940	U
Phenol	940	U
Pyrene	940	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1-trichloroethane	7	U
1,1,2,2-tetrachloroethane	7	U
1,1,2-trichloroethane	7	U
1,1-dichloroethane	7	U
1,1-dichloroethene	7	U
1,2-dichloroethane	7	U
1,2-dichloroethene	7	U
1,2-dichloropropane	7	U
2-butanone	14	U
2-hexanone	14	U
4-methyl-2-pentanone	14	U
Acetone	24	
Benzene	7	U
Bis(2-chloroisopropyl)ether	940	U
Bromodichloromethane	7	U
Bromoform	7	U
Bromomethane	14	U
Carbon disulfide	5	J
Carbon tetrachloride	7	U
Chlorobenzene	7	U
Chloroethane	14	U
Chloroform	7	U
Chloromethane	14	U
Cis-1,3-dichloropropene	7	U
Dibromochloromethane	7	U
Ethylbenzene	7	U
Methylene chloride	21	B
Styrene	7	U
Tetrachloroethene	7	U
Toluene	7	U
Trans-1,3-dichloropropene	7	U
Trichloroethene	7	U
Vinyl acetate	14	U
Vinyl chloride	14	U
Xylenes, total	7	U
PESTICIDES/PCBs (µg/kg)		

PARAMETER	RESULT	QUAL
4,4'-DDD	23	U
4,4'-DDE	23	U
4,4'-DDT	23	U
Aldrin	11	U
alpha-BHC	11	U
alpha-chlordane	110	U
Aroclor-1016	110	U
Aroclor-1221	110	U
Aroclor-1232	110	U
Aroclor-1242	110	U
Aroclor-1248	110	U
Aroclor-1254	230	U
Aroclor-1260	230	U
beta-BHC	11	U
delta-BHC	11	U
Dieldrin	23	U
Endosulfan I	11	U
Endosulfan II	23	U
Endosulfan sulfate	23	U
Endrin	23	U
Endrin ketone	23	U
gamma-BHC (lindane)	11	U
gamma-chlordane	110	U
Heptachlor	11	U
Heptachlor epoxide	11	U
Methoxychlor	110	U
Toxaphene	230	U
I6SB-3 AS1554 IT(1994) 5 ft		
INORGANICS (mg/kg)		
Antimony	4	B
Arsenic	0.88	B
Barium	8.6	B
Beryllium	0.14	B
Cadmium	0.57	U
Chromium	6.2	
Cobalt	2.3	U
Copper	4.8	
Lead	9.4	
Mercury	0.03	
Nickel	2.3	U
Selenium	1.1	U
Silver	0.57	U
Thallium	0.23	U
Tin	3.4	U
Vanadium	2.4	B
Zinc	17	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.7	U
1,3-dichlorobenzene	3.6	U
1,4-dichlorobenzene	2.7	U

PARAMETER	RESULT	QUAL
Acenaphthene	180	U*
Acenaphthylene	180	U*
Anthracene	90	U*
Benzo(a)anthracene	90	U*
Benzo(a)pyrene	90	U*
Benzo(b)fluoranthene	90	U*
Benzo(g,h,i)perylene	90	U*
Benzo(k)fluoranthene	90	U*
Chrysene	90	U*
Dibenzo(a,h)anthracene	90	U*
Fluoranthene	90	U*
Fluorene	90	U*
Indeno(1,2,3-cd)pyrene	90	U*
Naphthalene	180	U*
Phenanthrene	90	U*
Pyrene	90	U*
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.5	U
1,2,3-trichloropropane	1.1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.1	U
2-chloroethyl vinyl ether	1.5	U
Benzene	2.3	U
Bis(2-chloroisopropyl)ether	23	U
Bromobenzene	2.3	U
Bromodichloromethane	1.1	U
Bromoform	2.3	U
Bromomethane	1.4	U
Carbon tetrachloride	1.4	U
Chlorobenzene	2.3	U
Chloroethane	5.9	U
Chloroform	0.6	U
Chloromethane	0.9	U
Chlorotoluene	1.1	U
Cis-1,2-dichloroethene	1.1	U
Cis-1,3-dichloropropene	3.9	U
Dibromochloromethane	1	U
Dibromomethane	2.3	U
Dichlorodifluoromethane	2	U
Ethylbenzene	2.3	U
Methylene chloride	17	U
Tetrachloroethene	0.3	U
Toluene	2.3	U
Trans-1,2-dichloroethene	1.1	U

PARAMETER	RESULT	QUAL
Trans-1,3-dichloropropene	3.9	U
Trichloroethene	1.4	U
Trichlorofluoromethane	2.3	U
Vinyl chloride	2	U
Xylenes, total	1.1	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	8	U
4,4'-DDE	4	C
4,4'-DDT	8	U
Aldrin	2	U
alpha-BHC	2	U
beta-BHC	4	U
Chlordane	9	U
delta-BHC	6	U
Dieldrin	3	U**
Endosulfan I	9	U
Endosulfan II	2	U
Endosulfan sulfate	40	U
Endrin	4	U
Endrin aldehyde	16	U
gamma-BHC (lindane)	3	U
Heptachlor	2	U
Heptachlor epoxide	60	U
Methoxychlor	120	U
Toxaphene	160	U
SWMU 4		
S4SB-1(IT) AS1389 IT(1994) 3.5 ft		
INORGANICS (mg/kg)		
Antimony	3.4	U
Arsenic	0.24	B
Barium	3	B
Beryllium	0.15	B
Cadmium	0.57	U
Chromium	3.7	
Cobalt	2.3	U
Copper	1.1	U
Lead	0.28	B
Mercury	0.02	U
Nickel	2.3	U
Selenium	0.69	U
Silver	0.57	U
Thallium	0.23	U
Tin	3.4	U
Vanadium	1.1	U
Zinc	1.5	B
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.7	U
1,3-dichlorobenzene	3.7	U
1,4-dichlorobenzene	2.7	U
Acenaphthene	18	U

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PARAMETER	RESULT	QUAL
Acenaphthylene	18	U
Anthracene	9	U
Benzo(a)anthracene	9	U
Benzo(a)pyrene	9	U
Benzo(b)fluoranthene	9	U
Benzo(g,h,i)perylene	9	U
Benzo(k)fluoranthene	9	U
Chrysene	9	U
Dibenzo(a,h)anthracene	9	U
Fluoranthene	9	U
Fluorene	9	U
Indeno(1,2,3-cd)pyrene	9	U
Naphthalene	18	U
Phenanthrene	22	U*
Pyrene	9	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.5	U
1,2,3-trichloropropane	1.1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.1	U
2-chloroethyl vinyl ether	1.5	U
Benzene	2.3	U
Bis(2-chloroisopropyl)ether	23	U
Bromobenzene	2.3	U
Bromodichloromethane	1.1	U
Bromoform	2.3	U
Bromomethane	1.4	U
Carbon tetrachloride	1.4	U
Chlorobenzene	2.3	U
Chloroethane	5.9	U
Chloroform	0.6	U
Chloromethane	0.9	U
Chlorotoluene	1.1	U
Cis-1,2-dichloroethene	1.1	U
Cis-1,3-dichloropropene	3.9	U
Dibromochloromethane	1	U
Dibromomethane	2.3	U
Dichlorodifluoromethane	2.1	U
Ethylbenzene	2.3	U
Methylene chloride	17	U
Tetrachloroethene	0.3	U
Toluene	2.3	U
Trans-1,2-dichloroethene	1.1	U
Trans-1,3-dichloropropene	3.9	U

PARAMETER	RESULT	QUAL
Trichloroethene	1.4	U
Trichlorofluoromethane	2.3	U
Vinyl chloride	2.1	U
Xylenes, total	1.1	U
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
S4SB-11(IT) AS1399	**IT(1994)**	**4 ft**
INORGANICS (mg/kg)		
Antimony	3.5	U
Arsenic	0.27	B
Barium	2.9	B
Beryllium	0.14	B
Cadmium	0.58	U
Chromium	4.1	
Cobalt	2.3	U
Copper	1.2	U
Lead	0.77	
Mercury	0.02	U
Nickel	2.3	U
Selenium	1.2	U
Silver	0.58	U
Thallium	0.23	U
Tin	3.5	U
Vanadium	1.2	U
Zinc	1.5	B
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.7	U
1,3-dichlorobenzene	3.7	U
1,4-dichlorobenzene	2.8	U
Acenaphthene	12	U
Acenaphthylene	12	U
Anthracene	9.9	U
Benzo(a)anthracene	9.9	U
Benzo(a)pyrene	12	U*
Benzo(b)fluoranthene	9.9	U
Benzo(g,h,i)perylene	9.9	U
Benzo(k)fluoranthene	240	U*
Chrysene	9.9	U
Dibenzo(a,h)anthracene	9.9	U
Fluoranthene	15	U*
Fluorene	10	U*
Indeno(1,2,3-cd)pyrene	9.9	U
Naphthalene	12	U
Phenanthrene	9.9	U
Pyrene	9.9	U

PARAMETER	RESULT	QUAL
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.5	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U
2-chloroethyl vinyl ether	1.5	U
Benzene	2.3	U
Bis(2-chloroisopropyl)ether	23	U
Bromobenzene	2.3	U
Bromodichloromethane	1.2	U
Bromoform	2.3	U
Bromomethane	1.4	U
Carbon tetrachloride	1.4	U
Chlorobenzene	2.3	U
Chloroethane	6	U
Chloroform	0.6	U
Chloromethane	0.9	U
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	3.9	U
Dibromochloromethane	1	U
Dibromomethane	2.3	U
Dichlorodifluoromethane	2.1	U
Ethylbenzene	2.3	U
Methylene chloride	17	U
Tetrachloroethene	0.3	U
Toluene	2.3	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	3.9	U
Trichloroethene	1.4	U
Trichlorofluoromethane	2.3	U
Vinyl chloride	2.1	U
Xylenes, total	1.2	U
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
S4SB-12(IT) AS1400	**IT(1994)**	**4 ft**
INORGANICS (mg/kg)		
Antimony	4	B
Arsenic	0.23	U

PARAMETER	RESULT	QUAL
Barium	2.9	B
Beryllium	0.2	B
Cadmium	0.58	U
Chromium	3.9	
Cobalt	2.3	U
Copper	1.2	U
Lead	0.91	
Mercury	0.03	
Nickel	2.3	U
Selenium	1.2	U
Silver	0.58	U
Thallium	0.23	U
Tin	3.5	U
Vanadium	1.2	B
Zinc	2.4	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.8	U
1,3-dichlorobenzene	3.8	U
1,4-dichlorobenzene	2.9	U
Acenaphthene	23	U
Acenaphthylene	23	U
Anthracene	19	U
Benzo(a)anthracene	54	U*
Benzo(a)pyrene	19	U
Benzo(b)fluoranthene	19	U
Benzo(g,h,i)perylene	19	U
Benzo(k)fluoranthene	27	U*
Chrysene	19	U
Dibenzo(a,h)anthracene	58	U*
Fluoranthene	47	U*
Fluorene	19	U
Indeno(1,2,3-cd)pyrene	19	U
Naphthalene	260	
Phenanthrene	39	U*
Pyrene	19	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.6	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U
2-chloroethyl vinyl ether	1.6	U
Benzene	2.4	U
Bis(2-chloroisopropyl)ether	24	U
Bromobenzene	2.4	U

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PARAMETER	RESULT	QUAL
Bromodichloromethane	1.2	U
Bromoform	2.4	U
Bromomethane	1.4	U
Carbon tetrachloride	1.4	U
Chlorobenzene	2.4	U
Chloroethane	6.2	U
Chloroform	0.6	U
Chloromethane	1	U
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	4.1	U
Dibromochloromethane	1.1	U
Dibromomethane	2.4	U
Dichlorodifluoromethane	2.2	U
Ethylbenzene	2.4	U
Methylene chloride	18	U
Tetrachloroethene	0.4	U
Toluene	2.4	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	4.1	U
Trichloroethene	1.4	U
Trichlorofluoromethane	2.4	U
Vinyl chloride	2.2	U
Xylenes, total	6.6	
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
S4SB-13(IT) AS1401 IT(1994) 4 ft		
INORGANICS (mg/kg)		
Antimony	3.9	B
Arsenic	1.1	B
Barium	5.4	B
Beryllium	0.2	B
Cadmium	0.59	U
Chromium	6.2	
Cobalt	2.4	U
Copper	1.5	B
Lead	2.9	
Mercury	0.02	U
Nickel	2.4	U
Selenium	1.2	U
Silver	0.59	U
Thallium	0.24	U
Tin	3.5	U
Vanadium	3.6	B
Zinc	3.4	

PARAMETER	RESULT	QUAL
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.8	U
1,3-dichlorobenzene	3.8	U
1,4-dichlorobenzene	2.9	U
Acenaphthene	12	U
Acenaphthylene	12	U
Anthracene	17	U*
Benzo(a)anthracene	41	U*
Benzo(a)pyrene	9.2	U*
Benzo(b)fluoranthene	9.2	U
Benzo(g,h,i)perylene	32	U
Benzo(k)fluoranthene	24	U
Chrysene	31	U*
Dibenzo(a,h)anthracene	9.2	U
Fluoranthene	54	U*
Fluorene	15	U*
Indeno(1,2,3-cd)pyrene	9.2	U
Naphthalene	340	
Phenanthrene	52	U*
Pyrene	100	U*
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.5	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U
2-chloroethyl vinyl ether	1.5	U
Benzene	2.4	U
Bis(2-chloroisopropyl)ether	24	U
Bromobenzene	2.4	U
Bromodichloromethane	1.2	U
Bromoform	2.4	U
Bromomethane	1.4	U
Carbon tetrachloride	1.4	U
Chlorobenzene	2.4	U
Chloroethane	6.2	U
Chloroform	0.6	U
Chloromethane	1	U
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	4.1	U
Dibromochloromethane	1.1	U
Dibromomethane	2.4	U
Dichlorodifluoromethane	2.1	U
Ethylbenzene	2.4	U

PARAMETER	RESULT	QUAL
Methylene chloride	18	U
Tetrachloroethene	0.4	U
Toluene	2.4	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	4.1	U
Trichloroethene	1.4	U
Trichlorofluoromethane	2.4	U
Vinyl chloride	2.1	U
Xylenes, total	1.2	U
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
S4SB-14(IT) AS1402 IT(1994) 4 ft		
INORGANICS (mg/kg)		
Antimony	4	B
Arsenic	0.31	B
Barium	4.1	B
Beryllium	0.2	B
Cadmium	0.58	
Chromium	6.3	
Cobalt	2.3	U
Copper	8.3	
Lead	9.3	
Mercury	0.02	U
Nickel	2.3	U
Selenium	0.69	U
Silver	0.58	U
Thallium	0.23	U
Tin	3.5	U
Vanadium	1.4	B
Zinc	7	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.7	U
1,3-dichlorobenzene	3.7	U
1,4-dichlorobenzene	2.8	U
Acenaphthene	11	U
Acenaphthylene	11	U
Anthracene	9	U
Benzo(a)anthracene	9	U
Benzo(a)pyrene	9	U
Benzo(b)fluoranthene	9	U
Benzo(g,h,i)perylene	9	U
Benzo(k)fluoranthene	9	U
Chrysene	9	U
Dibenzo(a,h)anthracene	9	U
Fluoranthene	9	U

PARAMETER	RESULT	QUAL
Fluorene	9	U
Indeno(1,2,3-cd)pyrene	9	U
Naphthalene	17	U*
Phenanthrene	9	U
Pyrene	9	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.5	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U
2-chloroethyl vinyl ether	1.5	U
Benzene	2.3	U
Bis(2-chloroisopropyl)ether	23	U
Bromobenzene	2.3	U
Bromodichloromethane	1.2	U
Bromoform	2.3	U
Bromomethane	1.4	U
Carbon tetrachloride	1.4	U
Chlorobenzene	2.3	U
Chloroethane	6	U
Chloroform	0.6	U
Chloromethane	0.9	U
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	3.9	U
Dibromochloromethane	1	U
Dibromomethane	2.3	U
Dichlorodifluoromethane	2.1	U
Ethylbenzene	2.3	U
Methylene chloride	17	U
Tetrachloroethene	0.3	U
Toluene	2.3	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	3.9	U
Trichloroethene	1.4	U
Trichlorofluoromethane	2.3	U
Vinyl chloride	2.1	U
Xylenes, total	1.2	U*
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U

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PARAMETER	RESULT	QUAL
Aroclor-1260	90	U
S4SB-15(IT) AS1403	**IT(1994)**	**4 ft**
INORGANICS (mg/kg)		
Antimony	3.5	U
Arsenic	0.32	B
Barium	3.5	B
Beryllium	0.12	U
Cadmium	0.59	U
Chromium	4.4	
Cobalt	2.4	U
Copper	2.5	B
Cyanide	18	
Lead	2.2	
Mercury	0.02	U
Nickel	2.4	U
Selenium	1.2	U
Silver	0.59	U
Thallium	0.24	U
Tin	3.5	U
Vanadium	1.2	U
Zinc	3.7	
MISCELLANEOUS (mg/kg)		
Sulfide	60	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	1900	U
1,2,4-trichlorobenzene	1900	U
1,2-dichlorobenzene	1900	U
1,3,5-trinitrobenzene	1900	U
1,3-dichlorobenzene	1900	U
1,3-dinitrobenzene	1900	U
1,4-dichlorobenzene	1900	U
1,4-dioxane	1200	U
1,4-naphthoquinone	1900	U
1-naphthylamine	23000	U
2,3,4,6-tetrachlorophenol	1900	U
2,4,5-trichlorophenol	9300	U
2,4,6-trichlorophenol	1900	U
2,4-dichlorophenol	1900	U
2,4-dimethylphenol	1900	U
2,4-dinitrophenol	9300	U
2,4-dinitrotoluene	1900	U
2,6-dinitrotoluene	1900	U
2-acetylaminofluorene	1900	U
2-chloronaphthalene	1900	U
2-chlorophenol	1900	U
2-methyl-4,6-dinitrophenol	9300	U
2-methylnaphthalene	1900	U
2-methylphenol	1900	U
2-naphthylamine	33000	U
2-nitroaniline	9300	U

PARAMETER	RESULT	QUAL
2-nitrophenol	1900	U
2-picoline	13000	U
3,3'-dichlorobenzidine	3800	U
3,3'-dimethylbenzidine	16000	U
3-methylcholanthrene	5800	U
3-methylphenol	1900	U
3-nitroaniline	9300	U
4-aminobiphenyl	9700	U
4-bromophenyl phenyl ether	1900	U
4-chloro-3-methylphenol	1900	U
4-chloroaniline	1900	U
4-chlorophenyl phenyl ether	1900	U
4-methylphenol	1900	U
4-nitroaniline	9300	U
4-nitrophenol	9300	U
4-nitroquinoline-1-oxide	1900	U
5-nitro-o-toluidine	3900	U
7,12-dimethylbenz(a)anthracene	3900	U
a,a-dimethylphenethylamine	1900	U
Acenaphthene	1900	U
Acenaphthylene	1900	U
Acetophenone	1900	U
Aniline	1900	U
Anthracene	1900	U
Aramite	1900	U
Benzo(a)anthracene	1900	U
Benzo(a)pyrene	1900	U
Benzo(b)fluoranthene	1900	U
Benzo(g,h,i)perylene	1900	U
Benzo(k)fluoranthene	1900	U
Benzoic acid	9300	U
Benzyl alcohol	1900	U
Bis(2-chloroethoxy)methane	1900	U
Bis(2-chloroethyl)ether	1900	U
Bis(2-ethylhexyl)phthalate	2800	
Butyl benzyl phthalate	1900	U
Chrysene	1900	U
Di-n-butyl phthalate	1900	U
Di-n-octyl phthalate	1900	U
Diallate	1900	U
Dibenzo(a,h)anthracene	1900	U
Dibenzofuran	1900	U
Diethyl phthalate	1900	U
Dimethyl phthalate	1900	U
Diphenylamine	1900	U
Ethyl methacrylate	3900	U
Ethyl methanesulfonate	1900	U
Fluoranthene	1900	U
Fluorene	1900	U
Hexachlorobenzene	1900	U

PARAMETER	RESULT	QUAL
Hexachlorobutadiene	1900	U
Hexachlorocyclopentadiene	1900	U
Hexachloroethane	1900	U
Hexachlorophene	9900	U
Hexachloropropene	3900	U
Indeno(1,2,3-cd)pyrene	1900	U
Isophorone	1900	U
Isosafrole	1900	U
Methapyrilene	7700	U
Methyl methanesulfonate	1900	U
N-nitroso-di-n-butylamine	3900	U
N-nitroso-di-n-propylamine	1900	U
N-nitrosodiethylamine	1900	U
N-nitrosodimethylamine	1900	U
N-nitrosodiphenylamine	1900	U
N-nitrosomethylethylamine	1900	U
N-nitrosopiperidine	1900	U
N-nitrosopyrrolidine	1900	U
Naphthalene	1900	U
Nitrobenzene	1900	U
o,o,o-triethylphosphorothioate	1900	U
o-toluidine	1900	U
p-dimethylaminoazobenzene	5800	U
p-phenylenediamine	9700	U
Pentachlorobenzene	3900	U
Pentachloroethane	3900	U
Pentachloronitrobenzene	3900	U
Pentachlorophenol	9300	U
Phenacetin	1900	U
Phenanthrene	1900	U
Phenol	1900	U
Pronamide	5800	U
Pyrene	1900	U
Pyridine	1900	U
Safrole	1900	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	6	U
1,1,1-trichloroethane	6	U
1,1,2,2-tetrachloroethane	6	U
1,1,2-trichloroethane	6	U
1,1-dichloroethane	6	U
1,1-dichloroethene	6	U
1,2,3-trichloropropane	6	U
1,2-dibromo-3-chloropropane	6	U
1,2-dibromoethane	6	U
1,2-dichloroethane	6	U
1,2-dichloroethene	6	U
1,2-dichloropropane	6	U
2-butanone	12	U
2-chloro-1,3-butadiene	6	U

PARAMETER	RESULT	QUAL
2-hexanone	12	U
3-chloropropene	6	U
4-methyl-2-pentanone	12	U
Acetone	12	U
Acetonitrile	120	U
Acrolein	12	U
Acrylonitrile	12	U
Benzene	6	U
Bis(2-chloroisopropyl)ether	1900	U
Bromodichloromethane	6	U
Bromoform	6	U
Bromomethane	12	U
Carbon disulfide	6	U
Carbon tetrachloride	6	U
Chlorobenzene	6	U
Chloroethane	12	U
Chloroform	6	U
Chloromethane	12	U
Cis-1,2-dichloroethene	2	J
Cis-1,3-dichloropropene	6	U
Dibromochloromethane	6	U
Dibromomethane	6	U
Dichlorodifluoromethane	23	U
Ethyl cyanide	120	U
Ethylbenzene	6	U
Iodomethane	6	U
Methacrylonitrile	12	U
Methyl methacrylate	12	U
Methylene chloride	10	B
Styrene	6	U
Tetrachloroethene	6	U
Toluene	6	U
Trans-1,3-dichloropropene	6	U
Trans-1,4-dichloro-2-butene	23	U
Trichloroethene	6	U
Trichlorofluoromethane	6	U
Vinyl acetate	12	U
Vinyl chloride	12	U
Xylenes, total	6	U
PESTICIDES/PCBs (µg/kg)		
2,4,5-T	120	U
2,4,5-TP (silvex)	120	U
2,4-D	120	U
4,4'-DDD	18	U
4,4'-DDE	18	U
4,4'-DDT	18	U
Aldrin	9.2	U
alpha-BHC	9.2	U
alpha-chlordane	92	U
Aroclor-1016	92	U

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PARAMETER	RESULT	QUAL
Aroclor-1221	92	U
Aroclor-1232	92	U
Aroclor-1242	92	U
Aroclor-1248	92	U
Aroclor-1254	180	U
Aroclor-1260	180	U
beta-BHC	9.2	U
Chlorobenzilate	92	U
delta-BHC	9.2	U
Dieldrin	18	U
Dimethoate	39	U
Dinoseb	3900	U
Disulfoton	39	U
Endosulfan I	9.2	U
Endosulfan II	18	U
Endosulfan sulfate	18	U
Endrin	18	U
Endrin ketone	18	U
Famphur	39	U
gamma-BHC (lindane)	9.2	U
gamma-chlordane	92	U
Heptachlor	9.2	U
Heptachlor epoxide	9.2	U
Isodrin	9.2	U
Kepone	18	U
Methoxychlor	92	U
Methyl parathion	39	U
Parathion	39	U
Phorate	78	U
Sulfotep	1900	U
Thionazin	39	U
Toxaphene	180	U
S4SB-16(IT) AS1404 IT(1994) 4 ft		
INORGANICS (mg/kg)		
Antimony	4.4	B
Arsenic	1.3	
Barium	6.2	B
Beryllium	0.27	B
Cadmium	0.58	U
Chromium	7.1	
Cobalt	2.3	U
Copper	3.2	
Lead	3.9	
Mercury	0.02	U
Nickel	2.3	U
Selenium	1.2	U
Silver	0.58	U
Thallium	0.23	U
Tin	4	B
Vanadium	5.3	B

PARAMETER	RESULT	QUAL
Zinc	8.8	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.7	U
1,3-dichlorobenzene	3.7	U
1,4-dichlorobenzene	2.8	U
Acenaphthene	12	U
Acenaphthylene	12	U
Anthracene	9.3	U
Benzo(a)anthracene	9.3	U
Benzo(a)pyrene	9.3	U
Benzo(b)fluoranthene	9.3	U
Benzo(g,h,i)perylene	10	U*
Benzo(k)fluoranthene	9.3	U
Chrysene	9.3	U
Dibenzo(a,h)anthracene	9.3	U
Fluoranthene	9.3	U
Fluorene	9.3	U
Indeno(1,2,3-cd)pyrene	9.3	U
Naphthalene	12	U
Phenanthrene	83	U*
Pyrene	10	U*
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.5	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U
2-chloroethyl vinyl ether	1.5	U
Benzene	2.3	U
Bis(2-chloroisopropyl)ether	23	U
Bromobenzene	2.3	U
Bromodichloromethane	1.2	U
Bromoform	2.3	U
Bromomethane	1.4	U
Carbon tetrachloride	1.4	U
Chlorobenzene	2.3	U
Chloroethane	6	U
Chloroform	0.6	U
Chloromethane	0.9	U
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	3.9	U
Dibromochloromethane	1	U
Dibromomethane	2.3	U
Dichlorodifluoromethane	2.1	U

PARAMETER	RESULT	QUAL
Ethylbenzene	2.3	U
Methylene chloride	17	U
Tetrachloroethene	0.3	U
Toluene	2.3	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	3.9	U
Trichloroethene	1.4	U
Trichlorofluoromethane	2.3	U
Vinyl chloride	2.1	U
Xylenes, total	1.2	U
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
S4SB-18(IT) AS1406 IT(1994) 4 ft		
INORGANICS (mg/kg)		
Antimony	3.5	U
Arsenic	0.35	B
Barium	2.9	B
Beryllium	0.12	U
Cadmium	0.59	U
Chromium	3.9	
Cobalt	2.3	U
Copper	1.2	U
Lead	1.2	
Mercury	0.02	U
Nickel	2.3	U
Selenium	1.2	U
Silver	0.59	U
Thallium	0.23	U
Tin	3.5	U
Vanadium	1.2	U
Zinc	2.3	B
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.8	U
1,3-dichlorobenzene	3.8	U
1,4-dichlorobenzene	2.8	U
Acenaphthene	11	U
Acenaphthylene	11	U
Anthracene	9.2	U
Benzo(a)anthracene	9.2	U
Benzo(a)pyrene	9.2	U
Benzo(b)fluoranthene	9.2	U
Benzo(g,h,i)perylene	12	U*
Benzo(k)fluoranthene	9.2	U
Chrysene	9.2	U
Dibenzo(a,h)anthracene	26	U*

PARAMETER	RESULT	QUAL
Fluoranthene	42	U*
Fluorene	9.2	U
Indeno(1,2,3-cd)pyrene	9.2	U
Naphthalene	11	U
Phenanthrene	12	U*
Pyrene	9.2	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.5	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U
2-chloroethyl vinyl ether	1.5	U
Benzene	2.3	U
Bis(2-chloroisopropyl)ether	23	U
Bromobenzene	2.3	U
Bromodichloromethane	1.2	U
Bromoform	2.3	U
Bromomethane	1.4	U
Carbon tetrachloride	1.4	U
Chlorobenzene	2.3	U
Chloroethane	6.1	U
Chloroform	0.6	U
Chloromethane	0.9	U
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	4	U
Dibromochloromethane	1.1	U
Dibromomethane	2.3	U
Dichlorodifluoromethane	2.1	U
Ethylbenzene	2.3	U
Methylene chloride	18	U
Tetrachloroethene	0.4	U
Toluene	2.3	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	4	U
Trichloroethene	1.4	U
Trichlorofluoromethane	2.3	U
Vinyl chloride	2.1	U
Xylenes, total	1.2	U
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U

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PARAMETER	RESULT	QUAL
Aroclor-1254	90	U
Aroclor-1260	90	U
S4SB-19(IT) AS1391 IT(1994) 1 ft		
INORGANICS (mg/kg)		
Antimony	3.6	B
Arsenic	0.35	B
Barium	3.6	B
Beryllium	0.11	U
Cadmium	0.55	U
Chromium	3.9	
Cobalt	2.2	U
Copper	2.6	B
Cyanide	10	U
Lead	0.56	
Mercury	0.02	U
Nickel	2.2	U
Selenium	0.66	U
Silver	0.55	U
Thallium	0.22	U
Tin	3.3	U
Vanadium	1.5	B
Zinc	5.1	
MISCELLANEOUS (mg/kg)		
Sulfide	1500	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	1900	U
1,2,4-trichlorobenzene	1900	U
1,2-dichlorobenzene	1900	U
1,3,5-trinitrobenzene	1900	U
1,3-dichlorobenzene	1900	U
1,3-dinitrobenzene	1900	U
1,4-dichlorobenzene	1900	U
1,4-naphthoquinone	1900	U
1-naphthylamine	23000	U
2,3,4,6-tetrachlorophenol	1900	U
2,4,5-trichlorophenol	9000	U
2,4,6-trichlorophenol	1900	U
2,4-dichlorophenol	1900	U
2,4-dimethylphenol	1900	U
2,4-dinitrophenol	9000	U
2,4-dinitrotoluene	1900	U
2,6-dinitrotoluene	1900	U
2-acetylaminofluorene	1900	U
2-chloronaphthalene	1900	U
2-chlorophenol	1900	U
2-methyl-4,6-dinitrophenol	9000	U
2-methylnaphthalene	1900	U
2-methylphenol	1900	U
2-naphthylamine	32000	U
2-nitroaniline	9000	U

PARAMETER	RESULT	QUAL
2-nitrophenol	1900	U
2-picoline	13000	U
3,3'-dichlorobenzidine	3700	U
3,3'-dimethylbenzidine	15000	U
3-methylcholanthrene	5600	U
3-methylphenol	1900	U
3-nitroaniline	9000	U
4-aminobiphenyl	9400	U
4-bromophenyl phenyl ether	1900	U
4-chloro-3-methylphenol	1900	U
4-chloroaniline	1900	U
4-chlorophenyl phenyl ether	1900	U
4-methylphenol	1900	U
4-nitroaniline	9000	U
4-nitrophenol	9000	U
4-nitroquinoline-1-oxide	1900	U
5-nitro-o-toluidine	3800	U
7,12-dimethylbenz(a)anthracene	3800	U
a,a-dimethylphenethylamine	1900	U
Acenaphthene	1900	U
Acenaphthylene	1900	U
Acetophenone	1900	U
Aniline	1900	U
Anthracene	1900	U
Aramite	1900	U
Benzo(a)anthracene	1900	U
Benzo(a)pyrene	1900	U
Benzo(b)fluoranthene	1900	U
Benzo(g,h,i)perylene	1900	U
Benzo(k)fluoranthene	1900	U
Benzoic acid	9000	U
Benzyl alcohol	1900	U
Bis(2-chloroethoxy)methane	1900	U
Bis(2-chloroethyl)ether	1900	U
Bis(2-ethylhexyl)phthalate	1900	U
Butyl benzyl phthalate	1900	U
Chrysene	1900	U
Di-n-butyl phthalate	1900	U
Di-n-octyl phthalate	1900	U
Diallate	1900	U
Dibenzo(a,h)anthracene	1900	U
Dibenzofuran	1900	U
Diethyl phthalate	1900	U
Dimethyl phthalate	1900	U
Diphenylamine	1900	U
Ethyl methanesulfonate	1900	U
Fluoranthene	1900	U
Fluorene	1900	U
Hexachlorobenzene	1900	U
Hexachlorobutadiene	1900	U

PARAMETER	RESULT	QUAL
Hexachlorocyclopentadiene	1900	U
Hexachloroethane	1900	U
Hexachlorophene	9600	U
Hexachloropropene	3800	U
Indeno(1,2,3-cd)pyrene	1900	U
Isophorone	1900	U
Isosafrole	1900	U
Methapyrilene	7500	U
Methyl methanesulfonate	1900	U
N-nitroso-di-n-butylamine	3800	U
N-nitroso-di-n-propylamine	1900	U
N-nitrosodiethylamine	1900	U
N-nitrosodimethylamine	1900	U
N-nitrosodiphenylamine	1900	U
N-nitrosomethylethylamine	1900	U
N-nitrosopiperidine	1900	U
N-nitrosopyrrolidine	1900	U
Naphthalene	1900	U
Nitrobenzene	1900	U
o,o,o-triethylphosphorothioate	1900	U
o-toluidine	1900	U
p-dimethylaminoazobenzene	5600	U
p-phenylenediamine	9400	U
Pentachlorobenzene	3800	U
Pentachloroethane	3800	U
Pentachloronitrobenzene	3800	U
Pentachlorophenol	9000	U
Phenacetin	1900	U
Phenanthrene	1900	U
Phenol	1900	U
Pronamide	5600	U
Pyrene	1900	U
Pyridine	1900	U
Safrole	1900	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
Bis(2-chloroisopropyl)ether	1900	U
PESTICIDES/PCBs (µg/kg)		
2,4,5-T	120	U
2,4,5-TP (silvex)	120	U
2,4-D	120	U
4,4'-DDD	18	U
4,4'-DDE	18	U
4,4'-DDT	18	U
Aldrin	8.9	U
alpha-BHC	8.9	U
alpha-chlordane	89	U
Aroclor-1016	89	U
Aroclor-1221	89	U
Aroclor-1232	89	U
Aroclor-1242	89	U

PARAMETER	RESULT	QUAL
Aroclor-1248	89	U
Aroclor-1254	180	U
Aroclor-1260	180	U
beta-BHC	8.9	U
Chlorobenzilate	89	U
delta-BHC	8.9	U
Dieldrin	18	U
Dimethoate	38	U
Dinoseb	3800	U
Disulfoton	38	U
Endosulfan I	8.9	U
Endosulfan II	18	U
Endosulfan sulfate	18	U
Endrin	18	U
Endrin ketone	18	U
Famphur	38	U
gamma-BHC (lindane)	8.9	U
gamma-chlordane	89	U
Heptachlor	8.9	U
Heptachlor epoxide	8.9	U
Isodrin	8.9	U
Kepone	18	U
Methoxychlor	89	U
Methyl parathion	38	U
Parathion	38	U
Phorate	38	U
Sulfotep	1900	U
Thionazin	38	U
Toxaphene	180	U
S4SB-19(IT) AS1578 IT(1994) 1 ft		
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,4-dioxane	1100	U
Ethyl methacrylate	11	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	6	U
1,1,1-trichloroethane	6	U
1,1,2,2-tetrachloroethane	6	U
1,1,2-trichloroethane	6	U
1,1-dichloroethane	6	U
1,1-dichloroethene	6	U
1,2,3-trichloropropane	6	U
1,2-dibromo-3-chloropropane	6	U
1,2-dibromoethane	6	U
1,2-dichloroethane	6	U
1,2-dichloroethene	6	U
1,2-dichloropropane	6	U
2-butanone	11	U
2-chloro-1,3-butadiene	6	U
2-hexanone	11	U
3-chloropropene	6	U

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PARAMETER	RESULT	QUAL
4-methyl-2-pentanone	11	U
Acetone	11	U
Acetonitrile	110	U
Acrolein	11	U
Acrylonitrile	11	U
Benzene	6	U
Bromodichloromethane	6	U
Bromoform	6	U
Bromomethane	11	U
Carbon disulfide	6	U
Carbon tetrachloride	6	U
Chlorobenzene	6	U
Chloroethane	11	U
Chloroform	6	U
Chloromethane	11	U
Cis-1,2-dichloroethene	6	U
Cis-1,3-dichloropropene	6	U
Dibromochloromethane	6	U
Dibromomethane	6	U
Dichlorodifluoromethane	22	U
Ethyl cyanide	110	U
Ethylbenzene	6	U
Iodomethane	6	U
Methacrylonitrile	11	U
Methyl methacrylate	11	U
Methylene chloride	7	B
Styrene	6	U
Tetrachloroethene	6	U
Toluene	6	U
Trans-1,3-dichloropropene	6	U
Trans-1,4-dichloro-2-butene	22	U
Trichloroethene	6	U
Trichlorofluoromethane	6	U
Vinyl acetate	11	U
Vinyl chloride	11	U
Xylenes, total	6	U
S4SB-2(IT) AS1408 IT(1994) 3 ft		
INORGANICS (mg/kg)		
Antimony	4	B
Arsenic	0.23	U
Barium	3	B
Beryllium	0.12	U
Cadmium	0.59	U
Chromium	3.8	
Cobalt	2.3	U
Copper	1.2	U
Lead	0.75	
Mercury	0.02	U
Nickel	2.3	U
Selenium	0.7	U
Silver	0.59	U
Thallium	0.23	U
Tin	3.5	U
Vanadium	1.2	U
Zinc	1.7	B
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.6	U
1,3-dichlorobenzene	3.8	U
1,4-dichlorobenzene	2.9	U
Acenaphthene	12	U
Acenaphthylene	12	U
Anthracene	9.2	U
Benzo(a)anthracene	9.2	U
Benzo(a)pyrene	9.2	U
Benzo(b)fluoranthene	9.2	U
Benzo(g,h,i)perylene	9.2	U
Benzo(k)fluoranthene	9.2	U
Chrysene	9.2	U
Dibenzo(a,h)anthracene	9.2	U
Fluoranthene	9.2	U
Fluorene	9.2	U
Indeno(1,2,3-cd)pyrene	9.2	U
Naphthalene	12	U
Phenanthrene	9.2	U
Pyrene	9.2	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.5	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U
2-chloroethyl vinyl ether	1.5	U
Benzene	2.4	U
Bis(2-chloroisopropyl)ether	24	U
Bromobenzene	2.4	U
Bromodichloromethane	1.2	U
Bromoform	2.4	U
Bromomethane	1.4	U
Carbon tetrachloride	1.4	U
Chlorobenzene	2.4	U
Chloroethane	6.2	U
Chloroform	0.6	U
Chloromethane	1	U
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	4	U
Dibromochloromethane	1.1	U
Dibromomethane	2.4	U
Dichlorodifluoromethane	2.1	U
Ethylbenzene	2.4	U
Methylene chloride	18	U
Tetrachloroethene	0.4	U
Toluene	2.4	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	4	U
Trichloroethene	1.4	U
Trichlorofluoromethane	2.4	U
Vinyl chloride	2.1	U
Xylenes, total	1.2	U
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
S4SB-3(IT) AS1407 IT(1994) 3 ft		
INORGANICS (mg/kg)		
Antimony	3.6	U
Arsenic	0.35	B
Barium	4.1	B
Beryllium	0.12	U
Cadmium	0.6	U
Chromium	4.9	
Cobalt	2.4	U
Copper	1.2	U
Lead	0.51	B
Mercury	0.02	U
Nickel	2.4	U
Selenium	0.72	U
Silver	0.6	U
Thallium	0.24	U
Tin	3.6	U
Vanadium	1.4	B
Zinc	2.5	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.8	U
1,3-dichlorobenzene	3.8	U
1,4-dichlorobenzene	2.8	U
Acenaphthene	12	U
Acenaphthylene	12	U
Anthracene	9.5	U
Benzo(a)anthracene	14	U*
Benzo(a)pyrene	9.5	U
Benzo(b)fluoranthene	9.5	U
Benzo(g,h,i)perylene	9.5	U
Benzo(k)fluoranthene	9.5	U
Chrysene	9.5	U
Dibenzo(a,h)anthracene	9.5	U
Fluoranthene	9.5	U
Fluorene	9.5	U
Indeno(1,2,3-cd)pyrene	9.5	U
Naphthalene	12	U
Phenanthrene	9.5	U
Pyrene	9.5	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.5	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U
2-chloroethyl vinyl ether	1.5	U
Benzene	2.4	U
Bis(2-chloroisopropyl)ether	24	U
Bromobenzene	2.4	U
Bromodichloromethane	1.2	U
Bromoform	2.4	U
Bromomethane	1.4	U
Carbon tetrachloride	1.4	U
Chlorobenzene	2.4	U
Chloroethane	6.2	U
Chloroform	0.6	U
Chloromethane	0.9	U
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	4	U
Dibromochloromethane	1.1	U
Dibromomethane	2.4	U
Dichlorodifluoromethane	2.1	U
Ethylbenzene	2.4	U
Methylene chloride	18	U
Tetrachloroethene	0.4	U
Toluene	2.4	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	4	U
Trichloroethene	1.4	U
Trichlorofluoromethane	2.4	U
Vinyl chloride	2.1	U
Xylenes, total	1.2	U*

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PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
S4SB-4(IT) AS1386	**IT(1994) 4.5 ft**	
INORGANICS (mg/kg)		
Antimony	3.6	U
Arsenic	0.74	B
Barium	4.5	B
Beryllium	0.17	B
Cadmium	0.59	U
Chromium	5.1	
Cobalt	2.4	U
Copper	6.9	
Lead	8	
Mercury	0.16	
Nickel	2.4	U
Selenium	0.24	U
Silver	1.8	
Thallium	0.24	U
Tin	3.6	U
Vanadium	1.2	B
Zinc	14.6	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.8	U
1,3-dichlorobenzene	3.7	U
1,4-dichlorobenzene	2.8	U
Acenaphthene	18	U
Acenaphthylene	18	U
Anthracene	9.2	U
Benzo(a)anthracene	9.2	U
Benzo(a)pyrene	9.2	U
Benzo(b)fluoranthene	9.2	U
Benzo(g,h,i)perylene	9.2	U
Benzo(k)fluoranthene	9.2	U
Chrysene	9.2	U
Dibenzo(a,h)anthracene	9.2	U
Fluoranthene	9.2	U
Fluorene	9.2	U
Indeno(1,2,3-cd)pyrene	9.2	U
Naphthalene	18	U
Phenanthrene	14	U*
Pyrene	9.2	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U

PARAMETER	RESULT	QUAL
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.5	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U
2-chloroethyl vinyl ether	1.5	U
Benzene	2.3	U
Bis(2-chloroisopropyl)ether	23	U
Bromobenzene	2.3	U
Bromodichloromethane	1.2	U
Bromoform	2.3	U
Bromomethane	1.4	U
Carbon tetrachloride	1.4	U
Chlorobenzene	2.3	U
Chloroethane	6.1	U
Chloroform	0.6	U
Chloromethane	0.9	U
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	4	U
Dibromochloromethane	1.1	U
Dibromomethane	2.3	U
Dichlorodifluoromethane	2.1	U
Ethylbenzene	2.3	U
Methylene chloride	18	U*
Tetrachloroethene	0.4	U
Toluene	2.3	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	4	U
Trichloroethene	1.4	U
Trichlorofluoromethane	2.3	U
Vinyl chloride	2.1	U
Xylenes, total	1.2	U
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
S4SB-5(IT) AS1387	**IT(1994) 3.5 ft**	
INORGANICS (mg/kg)		
Antimony	3.1	U
Arsenic	0.26	B
Barium	3.1	B
Beryllium	0.12	B
Cadmium	0.51	U
Chromium	4.2	

PARAMETER	RESULT	QUAL
Cobalt	2.1	U
Copper	3.2	
Lead	2.9	
Mercury	0.07	
Nickel	2.1	U
Selenium	0.41	U
Silver	0.61	B
Thallium	0.21	U
Tin	3.1	U
Vanadium	1.1	B
Zinc	7.4	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.7	U
1,3-dichlorobenzene	3.6	U
1,4-dichlorobenzene	2.7	U
Acenaphthene	18	U
Acenaphthylene	18	U
Anthracene	8.9	U
Benzo(a)anthracene	8.9	U
Benzo(a)pyrene	8.9	U
Benzo(b)fluoranthene	8.9	U
Benzo(g,h,i)perylene	8.9	U
Benzo(k)fluoranthene	8.9	U
Chrysene	8.9	U
Dibenzo(a,h)anthracene	8.9	U
Fluoranthene	8.9	U
Fluorene	8.9	U
Indeno(1,2,3-cd)pyrene	8.9	U
Naphthalene	18	U
Phenanthrene	20	U*
Pyrene	8.9	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.5	U
1,2,3-trichloropropane	1.1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.1	U
2-chloroethyl vinyl ether	1.5	U
Benzene	2.3	U
Bis(2-chloroisopropyl)ether	23	U
Bromobenzene	2.3	U
Bromodichloromethane	1.1	U
Bromoform	2.3	U
Bromomethane	1.4	U
Carbon tetrachloride	1.4	U

PARAMETER	RESULT	QUAL
Chlorobenzene	2.3	U
Chloroethane	5.9	U
Chloroform	0.6	U
Chloromethane	0.9	U
Chlorotoluene	1.1	U
Cis-1,2-dichloroethene	1.1	U*
Cis-1,3-dichloropropene	3.9	U
Dibromochloromethane	1	U
Dibromomethane	2.3	U
Dichlorodifluoromethane	2	U
Ethylbenzene	2.3	U
Methylene chloride	17	U
Tetrachloroethene	0.3	U
Toluene	2.3	U
Trans-1,2-dichloroethene	1.1	U
Trans-1,3-dichloropropene	3.9	U
Trichloroethene	1.4	U
Trichlorofluoromethane	2.3	U
Vinyl chloride	2	U
Xylenes, total	1.1	U
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
S4SB-6(IT) AS1388	**IT(1994) 3.5 ft**	
INORGANICS (mg/kg)		
Antimony	3	U
Arsenic	0.22	B
Barium	2.4	B
Beryllium	0.12	B
Cadmium	0.51	U
Chromium	3.4	
Cobalt	2	U
Copper	1	U
Lead	0.4	B
Nickel	2	U
Selenium	0.2	U
Silver	0.51	U
Thallium	0.2	U
Tin	3	U
Vanadium	1	U
Zinc	3.7	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.7	U
1,3-dichlorobenzene	3.7	U
1,4-dichlorobenzene	2.7	U
Acenaphthene	18	U

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PARAMETER	RESULT	QUAL
Acenaphthylene	18	U
Anthracene	9	U
Benzo(a)anthracene	9	U
Benzo(a)pyrene	9	U
Benzo(b)fluoranthene	9	U
Benzo(g,h,i)perylene	9	U
Benzo(k)fluoranthene	9	U
Chrysene	9	U
Dibenzo(a,h)anthracene	9	U
Fluoranthene	9	U
Fluorene	9	U
Indeno(1,2,3-cd)pyrene	9	U
Naphthalene	18	U
Phenanthrene	24	U*
Pyrene	9	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.5	U
1,2,3-trichloropropane	1.1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.1	U
2-chloroethyl vinyl ether	1.5	U
Benzene	2.3	U
Bis(2-chloroisopropyl)ether	23	U
Bromobenzene	2.3	U
Bromodichloromethane	1.1	U
Bromoform	2.3	U
Bromomethane	1.4	U
Carbon tetrachloride	1.4	U
Chlorobenzene	2.3	U
Chloroethane	5.9	U
Chloroform	0.6	U
Chloromethane	0.9	U
Chlorotoluene	1.1	U
Cis-1,2-dichloroethene	1.1	U
Cis-1,3-dichloropropene	3.9	U
Dibromochloromethane	1	U
Dibromomethane	2.3	U
Dichlorodifluoromethane	2.1	U
Ethylbenzene	2.3	U
Methylene chloride	17	U
Tetrachloroethene	0.3	U
Toluene	2.3	U
Trans-1,2-dichloroethene	1.1	U
Trans-1,3-dichloropropene	3.9	U

PARAMETER	RESULT	QUAL
Trichloroethene	1.4	U
Trichlorofluoromethane	2.3	U
Vinyl chloride	2.1	U
Xylenes, total	1.1	U
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
S4SB-7(IT) AS1393 IT(1994) 3.5 ft		
INORGANICS (mg/kg)		
Antimony	18	U
Arsenic	0.81	B
Barium	4.5	B
Beryllium	0.6	U
Cadmium	0.3	U
Chromium	5.1	
Cobalt	12	U
Copper	1.2	U
Lead	15.4	
Mercury	0.02	U
Nickel	12	U
Selenium	0.24	U
Silver	3	U
Thallium	0.24	U
Tin	3.6	U
Vanadium	1.8	B
Zinc	15.6	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.8	U
1,3-dichlorobenzene	3.9	U
1,4-dichlorobenzene	2.9	U
Acenaphthene	19	U
Acenaphthylene	19	U
Anthracene	9.7	U
Benzo(a)anthracene	9.7	U
Benzo(a)pyrene	9.7	U
Benzo(b)fluoranthene	9.7	U
Benzo(g,h,i)perylene	9.7	U
Benzo(k)fluoranthene	21	
Chrysene	9.7	U
Dibenzo(a,h)anthracene	9.7	U
Fluoranthene	9.7	U
Fluorene	9.7	U
Indeno(1,2,3-cd)pyrene	9.7	U
Naphthalene	19	U
Phenanthrene	20	U*
Pyrene	9.7	U

PARAMETER	RESULT	QUAL
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.6	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U
2-chloroethyl vinyl ether	1.6	U
Benzene	2.4	U
Bis(2-chloroisopropyl)ether	24	U
Bromobenzene	2.4	U
Bromodichloromethane	1.2	U
Bromoform	2.4	U
Bromomethane	1.5	U
Carbon tetrachloride	1.5	U
Chlorobenzene	2.4	U
Chloroethane	6.3	U
Chloroform	0.6	U
Chloromethane	1	U
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	4.1	U
Dibromochloromethane	1.1	U
Dibromomethane	2.4	U
Dichlorodifluoromethane	2.2	U
Ethylbenzene	2.4	U
Methylene chloride	18	U
Tetrachloroethene	0.4	U
Toluene	2.4	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	4.1	U
Trichloroethene	1.5	U
Trichlorofluoromethane	2.4	U
Vinyl chloride	2.2	U
Xylenes, total	1.2	U
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
S4SB-8(IT) AS1394 IT(1994) 3.5 ft		
INORGANICS (mg/kg)		
Antimony	17.1	U
Arsenic	0.23	U

PARAMETER	RESULT	QUAL
Barium	3	B
Beryllium	0.57	U
Cadmium	2.8	U
Chromium	3.9	
Cobalt	11.4	U
Copper	1.1	U
Lead	1.3	
Mercury	0.02	U
Nickel	11.4	U
Selenium	1.1	U
Silver	2.8	U
Thallium	0.23	U
Tin	12	B
Vanadium	1.1	U
Zinc	18.7	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.7	U
1,3-dichlorobenzene	3.7	U
1,4-dichlorobenzene	2.7	U
Acenaphthene	18	U
Acenaphthylene	18	U
Anthracene	9.1	U
Benzo(a)anthracene	9.1	U
Benzo(a)pyrene	9.1	U
Benzo(b)fluoranthene	9.1	U
Benzo(g,h,i)perylene	9.1	U
Benzo(k)fluoranthene	14	
Chrysene	9.1	U
Dibenzo(a,h)anthracene	9.1	U
Fluoranthene	9.1	U
Fluorene	9.1	U
Indeno(1,2,3-cd)pyrene	9.1	U
Naphthalene	18	U
Phenanthrene	58	U*
Pyrene	9.1	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.5	U
1,2,3-trichloropropane	1.1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.1	U
2-chloroethyl vinyl ether	1.5	U
Benzene	2.3	U
Bis(2-chloroisopropyl)ether	23	U
Bromobenzene	2.3	U

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PARAMETER	RESULT	QUAL
Bromodichloromethane	1.1	U
Bromoform	2.3	U
Bromomethane	1.4	U
Carbon tetrachloride	1.4	U
Chlorobenzene	2.3	U
Chloroethane	5.9	U
Chloroform	0.6	U
Chloromethane	0.9	U
Chlorotoluene	1.1	U
Cis-1,2-dichloroethene	1.1	U
Cis-1,3-dichloropropene	3.9	U
Dibromochloromethane	1	U
Dibromomethane	2.3	U
Dichlorodifluoromethane	2.1	U
Ethylbenzene	2.3	U
Methylene chloride	17	U
Tetrachloroethene	0.3	U
Toluene	2.3	U
Trans-1,2-dichloroethene	1.1	U
Trans-1,3-dichloropropene	3.9	U
Trichloroethene	1.4	U
Trichlorofluoromethane	2.3	U
Vinyl chloride	2.1	U
Xylenes, total	1.1	U
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
S4SB-9(IT) AS1395 IT(1994) 4 ft		
INORGANICS (mg/kg)		
Antimony	17.4	U
Arsenic	0.23	U
Barium	3.2	B
Beryllium	0.58	U
Cadmium	2.9	U
Chromium	4.1	
Cobalt	11.6	U
Copper	1.2	U
Lead	1.7	
Mercury	0.02	U
Nickel	11.6	U
Selenium	1.2	U
Silver	2.9	U
Thallium	0.23	U
Tin	3.5	U
Vanadium	1.2	U
Zinc	190	

PARAMETER	RESULT	QUAL
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.8	U
1,3-dichlorobenzene	3.8	U
1,4-dichlorobenzene	2.9	U
Acenaphthene	19	U
Acenaphthylene	19	U
Anthracene	9.5	U
Benzo(a)anthracene	9.5	U
Benzo(a)pyrene	12	
Benzo(b)fluoranthene	9.5	U
Benzo(g,h,i)perylene	9.5	U
Benzo(k)fluoranthene	12	
Chrysene	9.5	U
Dibenzo(a,h)anthracene	9.5	U
Fluoranthene	9.5	U
Fluorene	9.5	U
Indeno(1,2,3-cd)pyrene	9.5	U
Naphthalene	19	U
Phenanthrene	9.5	U
Pyrene	9.5	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U*
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.6	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U
2-chloroethyl vinyl ether	1.6	U
Benzene	2.4	U
Bis(2-chloroisopropyl)ether	24	U
Bromobenzene	2.4	U
Bromodichloromethane	1.2	U
Bromoform	2.4	U
Bromomethane	1.4	U
Carbon tetrachloride	1.4	U
Chlorobenzene	2.4	U
Chloroethane	6.2	U
Chloroform	0.6	U
Chloromethane	1	U
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	4.1	U
Dibromochloromethane	1.1	U
Dibromomethane	2.4	U
Dichlorodifluoromethane	2.1	U
Ethylbenzene	2.4	U

PARAMETER	RESULT	QUAL
Methylene chloride	16	U
Tetrachloroethene	0.4	U
Toluene	2.4	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	4.1	U
Trichloroethene	1.4	U
Trichlorofluoromethane	2.4	U
Vinyl chloride	2.1	U
Xylenes, total	1.2	U
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
S4SB-2 S4SB-2 B&RE 0.5 ft		
INORGANICS (mg/kg)		
Aluminum	243	
Antimony	0.44	UJ
Arsenic	1.1	U
Barium	11.9	
Beryllium	0.02	U
Cadmium	5.9	
Chromium	14.9	
Cobalt	0.22	U
Copper	66.3	
Cyanide	0.08	UJ
Iron	530	
Lead	60.8	
Manganese	7.8	
Mercury	0.08	
Nickel	1.2	
Selenium	0.44	U
Silver	1.5	
Thallium	0.44	UJ
Vanadium	1.7	
Zinc	65.5	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4-trichlorobenzene	373	U
1,2-dichlorobenzene	2.3	U
1,3-dichlorobenzene	2.3	U
1,4-dichlorobenzene	2.3	U
2,4-dinitrotoluene	373	U
Acenaphthene	373	U
Acenaphthylene	373	U
Anthracene	373	U
Benzo(a)anthracene	373	U
Benzo(a)pyrene	373	U
Benzo(b)fluoranthene	373	U

PARAMETER	RESULT	QUAL
Benzo(g,h,i)perylene	373	U
Benzo(k)fluoranthene	373	U
Chrysene	373	U
Dibenzo(a,h)anthracene	373	U
Fluoranthene	373	U
Fluorene	373	U
Indeno(1,2,3-cd)pyrene	373	U
N-nitroso-di-n-propylamine	373	U
Naphthalene	373	U
Phenanthrene	373	U
Pyrene	373	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
Benzene	2.3	U
Chlorobenzene	2.3	U
Ethylbenzene	2.3	U
Toluene	2	U
Xylenes, total	6.8	U
PESTICIDES/PCBs (µg/kg)		
2,4,5-T	2.3	U
2,4,5-TP (silvex)	2.3	U
2,4-D	2.3	U
4,4'-DDD	1.5	U
4,4'-DDE	1.5	U
4,4'-DDT	1.5	U
Aldrin	0.76	U
alpha-BHC	0.76	U
Aroclor-1016	4.7	U
Aroclor-1221	4.7	U
Aroclor-1232	4.7	U
Aroclor-1242	4.7	U
Aroclor-1248	4.7	U
Aroclor-1254	4.7	U
Aroclor-1260	4.7	U
beta-BHC	0.76	U
Chlordane	9.5	U
delta-BHC	0.76	U
Dieldrin	1.5	U
Endosulfan I	1.4	J
Endosulfan II	1.5	U
Endosulfan sulfate	1.5	U
Endrin	1.5	U
Endrin aldehyde	1.5	U
gamma-BHC (lindane)	0.76	U
Heptachlor	0.76	U
Heptachlor epoxide	0.76	U
Methoxychlor	7.6	U
Methyl parathion	1.9	U
Parathion	1.9	U
Phorate	1.9	U
Toxaphene	37.8	U

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PARAMETER	RESULT	QUAL
SWMU 5		
S5SB-2 AS1370 IT(1994) 1 ft		
INORGANICS (mg/kg)		
Antimony	3.5	U
Arsenic	0.27	B
Barium	3.2	B
Beryllium	0.12	U
Cadmium	0.59	U
Chromium	3.4	
Cobalt	2.4	U
Copper	1.2	U
Lead	2.4	
Mercury	0.02	U
Nickel	2.4	U
Selenium	1.2	U
Silver	0.59	U
Thallium	0.24	U
Tin	3.5	U
Vanadium	1.2	U
Zinc	1.4	B
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.8	U
1,3-dichlorobenzene	3.8	U
1,4-dichlorobenzene	2.8	U
Acenaphthene	16	U
Acenaphthylene	16	U
Anthracene	8	U
Benzo(a)anthracene	8	U
Benzo(a)pyrene	8	U
Benzo(b)fluoranthene	8	U
Benzo(g,h,i)perylene	8	U
Benzo(k)fluoranthene	8	U
Chrysene	8	U
Dibenzo(a,h)anthracene	8	U
Fluoranthene	8	U
Fluorene	8	U
Indeno(1,2,3-cd)pyrene	8	U
Naphthalene	16	U
Phenanthrene	13	U
Pyrene	8	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.5	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U
2-chloroethyl vinyl ether	1.5	U
Benzene	2.4	U
Bis(2-chloroisopropyl)ether	24	U
Bromobenzene	2.4	U
Bromodichloromethane	1.2	U
Bromoform	2.4	U
Bromomethane	1.4	U
Carbon tetrachloride	1.4	U
Chlorobenzene	2.4	U
Chloroethane	6.2	U
Chloroform	0.6	U
Chloromethane	0.9	U
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	4	U
Dibromochloromethane	1.1	U
Dibromomethane	2.4	U
Dichlorodifluoromethane	2.1	U
Ethylbenzene	2.4	U
Methylene chloride	18	U
Tetrachloroethene	0.4	U
Toluene	2.4	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	4	U
Trichloroethene	1.4	U
Trichlorofluoromethane	2.4	U
Vinyl chloride	2.1	U
Xylenes, total	1.2	U
S5SB-2 AS1371 IT(1994) 2 ft		
INORGANICS (mg/kg)		
Antimony	3.7	U
Arsenic	0.26	B
Barium	3.2	B
Beryllium	0.12	U
Cadmium	0.61	U
Chromium	3	
Cobalt	2.4	U
Copper	1.2	U
Lead	0.24	U
Mercury	0.02	U
Nickel	2.4	U
Selenium	1.2	U
Silver	0.61	U
Thallium	0.24	U
Tin	3.7	U
Vanadium	1.2	U
Zinc	1.6	B
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.7	U
1,3-dichlorobenzene	3.7	U
1,4-dichlorobenzene	2.8	U
Acenaphthene	18	U
Acenaphthylene	18	U
Anthracene	9.2	U
Benzo(a)anthracene	9.2	U
Benzo(a)pyrene	9.2	U
Benzo(b)fluoranthene	9.2	U
Benzo(g,h,i)perylene	9.2	U
Benzo(k)fluoranthene	9.2	U
Chrysene	9.2	U
Dibenzo(a,h)anthracene	9.2	U
Fluoranthene	9.2	U
Fluorene	9.2	U
Indeno(1,2,3-cd)pyrene	9.2	U
Naphthalene	18	U
Phenanthrene	25	U
Pyrene	9.2	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.5	U
1,2,3-trichloropropane	1.1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.1	U
2-chloroethyl vinyl ether	1.5	U
Benzene	2.3	U
Bis(2-chloroisopropyl)ether	23	U
Bromobenzene	2.3	U
Bromodichloromethane	1.1	U
Bromoform	2.3	U
Bromomethane	1.4	U
Carbon tetrachloride	1.4	U
Chlorobenzene	2.3	U
Chloroethane	6	U
Chloroform	0.6	U
Chloromethane	0.9	U
Chlorotoluene	1.1	U
Cis-1,2-dichloroethene	1.1	U
Cis-1,3-dichloropropene	3.9	U
Dibromochloromethane	1	U
Dibromomethane	2.3	U
Dichlorodifluoromethane	2.1	U
Ethylbenzene	2.3	U
Methylene chloride	17	U
Tetrachloroethene	0.3	U
Toluene	2.3	U
Trans-1,2-dichloroethene	1.1	U
Trans-1,3-dichloropropene	3.9	U
Trichloroethene	1.4	U
Trichlorofluoromethane	2.3	U
Vinyl chloride	2.1	U
Xylenes, total	1.1	U
S5SB-2 AS2171 IT(1994) 1 ft		
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
2,4,6-trichlorophenol	380	U
2,4-dichlorophenol	380	U
2,4-dimethylphenol	380	U
2,4-dinitrophenol	1900	U
2-chlorophenol	380	U
2-methyl-4,6-dinitrophenol	1900	U
2-nitrophenol	380	U
4-chloro-3-methylphenol	380	U
4-nitrophenol	1900	U
Pentachlorophenol	1900	U
Phenol	380	U
S5SB-2 AS2172 IT(1994) 2 ft		
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
2,4,6-trichlorophenol	410	U
2,4-dichlorophenol	410	U
2,4-dimethylphenol	410	U
2,4-dinitrophenol	2100	U
2-chlorophenol	410	U
2-methyl-4,6-dinitrophenol	2100	U
2-nitrophenol	410	U
4-chloro-3-methylphenol	410	U
4-nitrophenol	2100	U
Pentachlorophenol	2100	U
Phenol	410	U
S5SB-3 AS1373 IT(1994) 1 ft		
INORGANICS (mg/kg)		
Antimony	3.5	U
Arsenic	0.29	B
Barium	3.4	B
Beryllium	0.12	B
Cadmium	0.95	
Chromium	5.3	
Cobalt	2.3	U
Copper	1.2	U
Lead	11.3	
Mercury	0.02	U
Nickel	2.3	U
Selenium	1.2	U
Silver	0.58	U
Thallium	0.23	U

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PARAMETER	RESULT	QUAL
Tin	3.5	U
Vanadium	1.2	U
Zinc	12.5	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.8	U
1,3-dichlorobenzene	3.7	U
1,4-dichlorobenzene	2.8	U
Acenaphthene	19	U
Acenaphthylene	19	U
Anthracene	9.3	U
Benzo(a)anthracene	9.3	U
Benzo(a)pyrene	9.3	U
Benzo(b)fluoranthene	9.3	U
Benzo(g,h,i)perylene	9.3	U
Benzo(k)fluoranthene	9.3	U
Chrysene	9.3	U
Dibenzo(a,h)anthracene	9.3	U
Fluoranthene	9.3	U
Fluorene	9.3	U
Indeno(1,2,3-cd)pyrene	9.3	U
Naphthalene	19	U
Phenanthrene	16	U
Pyrene	9.3	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.5	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U
2-chloroethyl vinyl ether	1.5	U
Benzene	2.3	U
Bis(2-chloroisopropyl)ether	23	U
Bromobenzene	2.3	U
Bromodichloromethane	1.2	U
Bromoform	2.3	U
Bromomethane	1.4	U
Carbon tetrachloride	1.4	U
Chlorobenzene	2.3	U
Chloroethane	6.1	U
Chloroform	0.6	U
Chloromethane	0.9	U
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	4	U
Dibromochloromethane	1.1	U

PARAMETER	RESULT	QUAL
Dibromomethane	2.3	U
Dichlorodifluoromethane	2.1	U
Ethylbenzene	2.3	U
Methylene chloride	18	U
Tetrachloroethene	0.4	U
Toluene	2.3	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	4	U
Trichloroethene	1.4	U
Trichlorofluoromethane	2.3	U
Vinyl chloride	2.1	U
Xylenes, total	1.2	U
S5SB-3 AS1374 IT(1994) 2 ft		
INORGANICS (mg/kg)		
Antimony	3.6	U
Arsenic	0.29	B
Barium	3.7	B
Beryllium	0.14	B
Cadmium	0.6	U
Chromium	4.1	
Cobalt	2.4	U
Copper	1.2	U
Lead	0.38	B
Mercury	0.02	U
Nickel	2.4	U
Selenium	1.2	U
Silver	0.6	U
Thallium	0.24	U
Tin	3.6	U
Vanadium	1.2	U
Zinc	4.6	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.8	U
1,3-dichlorobenzene	3.8	U
1,4-dichlorobenzene	2.8	U
Acenaphthene	19	U
Acenaphthylene	19	U
Anthracene	9.3	U
Benzo(a)anthracene	9.3	U
Benzo(a)pyrene	9.3	U
Benzo(b)fluoranthene	9.3	U
Benzo(g,h,i)perylene	9.3	U
Benzo(k)fluoranthene	9.3	U
Chrysene	9.3	U
Dibenzo(a,h)anthracene	9.3	U
Fluoranthene	9.3	U
Fluorene	9.3	U
Indeno(1,2,3-cd)pyrene	9.3	U
Naphthalene	19	U
Phenanthrene	22	U

PARAMETER	RESULT	QUAL
Pyrene	9.3	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.5	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U
2-chloroethyl vinyl ether	1.5	U
Benzene	2.4	U
Bis(2-chloroisopropyl)ether	24	U
Bromobenzene	2.4	U
Bromodichloromethane	1.2	U
Bromoform	2.4	U
Bromomethane	1.4	U
Carbon tetrachloride	1.4	U
Chlorobenzene	2.4	U
Chloroethane	6.1	U
Chloroform	0.6	U
Chloromethane	0.9	U
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	4	U
Dibromochloromethane	1.1	U
Dibromomethane	2.4	U
Dichlorodifluoromethane	2.1	U
Ethylbenzene	2.4	U
Methylene chloride	18	U
Tetrachloroethene	0.4	U
Toluene	2.4	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	4	U
Trichloroethene	1.4	U
Trichlorofluoromethane	2.4	U
Vinyl chloride	2.1	U
Xylenes, total	1.2	U
S5SB-3 AS2178 IT(1994) 1 ft		
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
2,4,6-trichlorophenol	390	U
2,4-dichlorophenol	390	U
2,4-dimethylphenol	390	U
2,4-dinitrophenol	2000	U
2-chlorophenol	390	U
2-methyl-4,6-dinitrophenol	2000	U
2-nitrophenol	390	U
4-chloro-3-methylphenol	390	U

PARAMETER	RESULT	QUAL
4-nitrophenol	2000	U
Pentachlorophenol	2000	U
Phenol	390	U
S5SB-4 AS1375 IT(1994) 2 ft		
INORGANICS (mg/kg)		
Antimony	3.5	U
Arsenic	0.31	B
Barium	2.9	B
Beryllium	0.12	U
Cadmium	0.58	U
Chromium	3.9	
Cobalt	2.3	U
Copper	1.2	U
Cyanide	10	U
Lead	0.29	B
Mercury	0.02	U
Nickel	2.3	U
Selenium	0.46	U
Silver	0.58	U
Thallium	0.23	U
Tin	3.5	U
Vanadium	1.2	U
Zinc	2.3	
MISCELLANEOUS (mg/kg)		
Sulfide	60	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	380	U
1,2,4-trichlorobenzene	380	U
1,2-dichlorobenzene	380	U
1,3,5-trinitrobenzene	380	U
1,3-dichlorobenzene	380	U
1,3-dinitrobenzene	380	U
1,4-dichlorobenzene	380	U
1,4-dioxane	1200	U
1,4-naphthoquinone	380	U
1-naphthylamine	4600	U
2,3,4,6-tetrachlorophenol	380	U
2,4,5-trichlorophenol	1900	U
2,4,6-trichlorophenol	380	U
2,4-dichlorophenol	380	U
2,4-dimethylphenol	380	U
2,4-dinitrophenol	1900	U
2,4-dinitrotoluene	380	U
2,6-dichlorophenol	380	U
2,6-dinitrotoluene	380	U
2-acetylaminofluorene	380	U
2-chloronaphthalene	380	U
2-chlorophenol	380	U
2-methyl-4,6-dinitrophenol	1900	U
2-methylnaphthalene	380	U

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PARAMETER	RESULT	QUAL
2-methylphenol	380	U
2-naphthylamine	6600	U
2-nitroaniline	1900	U
2-nitrophenol	380	U
2-picoline	2700	U
3,3'-dichlorobenzidine	760	U
3,3'-dimethylbenzidine	3100	U
3-methylcholanthrene	1200	U
3-methylphenol	380	U
3-nitroaniline	1900	U
4-aminobiphenyl	1900	U
4-bromophenyl phenyl ether	380	U
4-chloro-3-methylphenol	380	U
4-chloroaniline	380	U
4-chlorophenyl phenyl ether	380	U
4-methylphenol	380	U
4-nitroaniline	1900	U
4-nitrophenol	1900	U
4-nitroquinoline-1-oxide	380	U
5-nitro-o-toluidine	780	U
7,12-dimethylbenz(a)anthracene	780	U
a,a-dimethylphenethylamine	380	U
Acenaphthene	380	U
Acenaphthylene	380	U
Acetophenone	380	U
Aniline	380	U
Anthracene	380	U
Aramite	380	U
Benzo(a)anthracene	380	U
Benzo(a)pyrene	380	U
Benzo(b)fluoranthene	380	U
Benzo(g,h,i)perylene	380	U
Benzo(k)fluoranthene	380	U
Benzoic acid	1900	U
Benzyl alcohol	380	U
Bis(2-chloroethoxy)methane	380	U
Bis(2-chloroethyl)ether	380	U
Bis(2-ethylhexyl)phthalate	56	J
Butyl benzyl phthalate	380	U
Chrysene	380	U
Di-n-butyl phthalate	380	U
Di-n-octyl phthalate	380	U
Diallate	380	U
Dibenzo(a,h)anthracene	380	U
Dibenzofuran	380	U
Diethyl phthalate	380	U
Dimethyl phthalate	380	U
Diphenylamine	380	U
Ethyl methacrylate	780	U
Ethyl methanesulfonate	380	U

PARAMETER	RESULT	QUAL
Fluoranthene	380	U
Fluorene	380	U
Hexachlorobenzene	380	U
Hexachlorobutadiene	380	U
Hexachlorocyclopentadiene	380	U
Hexachloroethane	380	U
Hexachlorophene	2000	U
Hexachloropropene	780	U
Indeno(1,2,3-cd)pyrene	380	U
Isophorone	380	U
Isosafrole	380	U
Methapyrilene	1500	U
Methyl methanesulfonate	380	U
N-nitroso-di-n-butylamine	780	U
N-nitroso-di-n-propylamine	380	U
N-nitrosodiethylamine	380	U
N-nitrosodimethylamine	380	U
N-nitrosodiphenylamine	380	U
N-nitrosomethylethylamine	380	U
N-nitrosomorpholine	380	U
N-nitrosopiperidine	380	U
N-nitrosopyrrolidine	380	U
Naphthalene	380	U
Nitrobenzene	380	U
o,o,o-triethylphosphorothioate	380	U
o-toluidine	380	U
p-dimethylaminoazobenzene	1200	U
p-phenylenediamine	1900	U
Pentachlorobenzene	780	U
Pentachloroethane	780	U
Pentachloronitrobenzene	780	U
Pentachlorophenol	1900	U
Phenacetin	380	U
Phenanthrene	380	U
Phenol	380	U
Pronamide	1200	U
Pyrene	380	U
Pyridine	380	U
Safrole	380	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	6	U
1,1,1-trichloroethane	6	U
1,1,2,2-tetrachloroethane	6	U
1,1,2-trichloroethane	6	U
1,1-dichloroethane	6	U
1,1-dichloroethene	6	U
1,2,3-trichloropropane	6	U
1,2-dibromo-3-chloropropane	6	U
1,2-dibromoethane	6	U
1,2-dichloroethane	6	U

PARAMETER	RESULT	QUAL
1,2-dichloropropane	6	U
2-butanone	12	U
2-chloro-1,3-butadiene	6	U
2-hexanone	12	U
3-chloropropene	6	U
4-methyl-2-pentanone	12	U
Acetone	38	
Acetonitrile	120	U
Acrolein	12	U
Acrylonitrile	12	U
Benzene	6	U
Bis(2-chloroisopropyl)ether	380	U
Bromodichloromethane	6	U
Bromoform	6	U
Bromomethane	12	U
Carbon disulfide	6	U
Carbon tetrachloride	6	U
Chlorobenzene	6	U
Chloroethane	12	U
Chloroform	6	U
Chloromethane	12	U
Cis-1,2-dichloroethene	6	U
Cis-1,3-dichloropropene	6	U
Dibromochloromethane	6	U
Dibromomethane	6	U
Dichlorodifluoromethane	24	U
Ethyl cyanide	120	U
Ethylbenzene	6	U
Iodomethane	6	U
Methacrylonitrile	12	U
Methyl methacrylate	12	U
Methylene chloride	19	B
Styrene	6	U
Tetrachloroethene	6	U
Toluene	6	U
Trans-1,2-dichloroethene	6	U
Trans-1,3-dichloropropene	6	U
Trans-1,4-dichloro-2-butene	24	U
Trichloroethene	6	U
Trichlorofluoromethane	6	U
Vinyl acetate	12	U
Vinyl chloride	12	U
Xylenes, total	6	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	19	U
4,4'-DDE	19	U
4,4'-DDT	19	U
Aldrin	9.6	U
alpha-BHC	9.6	U
alpha-chlordane	96	U

PARAMETER	RESULT	QUAL
Aroclor-1016	96	U
Aroclor-1221	96	U
Aroclor-1232	96	U
Aroclor-1242	96	U
Aroclor-1248	96	U
Aroclor-1254	190	U
Aroclor-1260	190	U
beta-BHC	9.6	U
Chlorobenzilate	96	U
delta-BHC	9.6	U
Dieldrin	19	U
Dinoseb	780	U
Endosulfan I	9.6	U
Endosulfan II	19	U
Endosulfan sulfate	19	U
Endrin	19	U
Endrin ketone	19	U
gamma-BHC (lindane)	9.6	U
gamma-chlordane	96	U
Heptachlor	9.6	U
Heptachlor epoxide	9.6	U
Isodrin	9.6	U
Kepone	19	U
Methoxychlor	96	U
Toxaphene	190	U
S5SB-4 AS1377 IT(1994) 1 ft		
INORGANICS (mg/kg)		
Antimony	4	B
Arsenic	0.28	B
Barium	3.2	B
Beryllium	0.12	U
Cadmium	0.62	U
Chromium	4.1	
Cobalt	2.5	U
Copper	1.2	U
Lead	0.25	B
Mercury	0.02	U
Nickel	2.5	U
Selenium	1.2	U
Silver	0.62	U
Thallium	0.25	U
Tin	3.7	U
Vanadium	1.2	U
Zinc	2.2	B
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.8	U
1,3-dichlorobenzene	3.8	U
1,4-dichlorobenzene	2.9	U
Acenaphthene	19	U
Acenaphthylene	19	U

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PARAMETER	RESULT	QUAL
Anthracene	9.5	U
Benzo(a)anthracene	9.5	U
Benzo(a)pyrene	9.5	U
Benzo(b)fluoranthene	9.5	U
Benzo(g,h,i)perylene	9.5	U
Benzo(k)fluoranthene	9.5	U
Chrysene	9.5	U
Dibenzo(a,h)anthracene	9.5	U
Fluoranthene	9.5	U
Fluorene	9.5	U
Indeno(1,2,3-cd)pyrene	9.5	U
Naphthalene	19	U
Phenanthrene	17	U
Pyrene	9.5	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.5	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U
2-chloroethyl vinyl ether	1.5	U
Benzene	2.4	U
Bis(2-chloroisopropyl)ether	24	U
Bromobenzene	2.4	U
Bromodichloromethane	1.2	U
Bromoform	2.4	U
Bromomethane	1.4	U
Carbon tetrachloride	1.4	U
Chlorobenzene	2.4	U
Chloroethane	6.2	U
Chloroform	0.6	U
Chloromethane	1	U
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	4	U
Dibromochloromethane	1.1	U
Dibromomethane	2.4	U
Dichlorodifluoromethane	2.1	U
Ethylbenzene	2.4	U
Methylene chloride	18	U
Tetrachloroethene	0.4	U
Toluene	2.4	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	4	U
Trichloroethene	1.4	U

PARAMETER	RESULT	QUAL
Trichlorofluoromethane	2.4	U
Vinyl chloride	2.1	U
Xylenes, total	1.2	U
S5SB-4 AS2174 IT(1994) 1 ft		
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
2,4,6-trichlorophenol	390	U
2,4-dichlorophenol	390	U
2,4-dimethylphenol	390	U
2,4-dinitrophenol	2000	U
2-chlorophenol	390	U
2-methyl-4,6-dinitrophenol	2000	U
2-nitrophenol	390	U
4-chloro-3-methylphenol	390	U
4-nitrophenol	2000	U
Pentachlorophenol	2000	U
Phenol	390	U
S5SB-4 AS2175 IT(1994) 2 ft		
PESTICIDES/PCBs (µg/kg)		
2,4,5-T	120	U
2,4,5-TP (silvex)	120	U
2,4-D	120	U
Dimethoate	39	U
Disulfoton	39	U
Famphur	39	U
Methyl parathion	39	U
Parathion	39	U
Phorate	78	U
Sulfotep	78	U
Thionazin	39	U
SWMU 7		
S7SB-10 AS1525 IT(1994) 1 ft		
INORGANICS (mg/kg)		
Antimony	3.8	B
Arsenic	0.3	B
Barium	5.7	B
Beryllium	0.11	U
Cadmium	0.57	U
Chromium	4.2	
Cobalt	2.3	U
Copper	1.1	U
Cyanide	13	U
Lead	0.23	U
Mercury	0.03	
Nickel	2.3	U
Selenium	0.23	U
Silver	0.57	U
Thallium	0.23	U
Tin	3.4	U
Vanadium	1.1	U

PARAMETER	RESULT	QUAL
Zinc	1.6	B
MISCELLANEOUS (mg/kg)		
Sulfide	74	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	420	U
1,2,4-trichlorobenzene	420	U
1,2-dichlorobenzene	420	U
1,3,5-trinitrobenzene	420	U
1,3-dichlorobenzene	420	U
1,3-dinitrobenzene	420	U
1,4-dichlorobenzene	420	U
1,4-dioxane	1200	U
1,4-naphthoquinone	420	U
1-naphthylamine	5100	U
2,3,4,6-tetrachlorophenol	420	U
2,4,5-trichlorophenol	2000	U
2,4,6-trichlorophenol	420	U
2,4-dichlorophenol	420	U
2,4-dimethylphenol	420	U
2,4-dinitrophenol	2000	U
2,4-dinitrotoluene	420	U
2,6-dinitrotoluene	420	U
2-acetylaminofluorene	420	U
2-chloronaphthalene	420	U
2-chlorophenol	420	U
2-methyl-4,6-dinitrophenol	2000	U
2-methylnaphthalene	420	U
2-methylphenol	420	U
2-naphthylamine	7200	U
2-nitroaniline	2000	U
2-nitrophenol	420	U
2-picoline	2900	U
3,3'-dichlorobenzidine	840	U
3,3'-dimethylbenzidine	3400	U
3-methylcholanthrene	1300	U
3-methylphenol	420	U
3-nitroaniline	2000	U
4-aminobiphenyl	2100	U
4-bromophenyl phenyl ether	420	U
4-chloro-3-methylphenol	420	U
4-chloroaniline	420	U
4-chlorophenyl phenyl ether	420	U
4-methylphenol	420	U
4-nitroaniline	2000	U
4-nitrophenol	2000	U
4-nitroquinoline-1-oxide	420	U
5-nitro-o-toluidine	850	U
7,12-dimethylbenz(a)anthracene	850	U
a,a-dimethylphenethylamine	420	U
Acenaphthene	420	U

PARAMETER	RESULT	QUAL
Acenaphthylene	420	U
Acetophenone	420	U
Aniline	420	U
Anthracene	420	U
Aramite	420	U
Benzo(a)anthracene	420	U
Benzo(a)pyrene	420	U
Benzo(b)fluoranthene	420	U
Benzo(g,h,i)perylene	420	U
Benzo(k)fluoranthene	420	U
Benzoic acid	94	J
Benzyl alcohol	420	U
Bis(2-chloroethoxy)methane	420	U
Bis(2-chloroethyl)ether	420	U
Bis(2-ethylhexyl)phthalate	420	U
Butyl benzyl phthalate	420	U
Chrysene	420	U
Di-n-butyl phthalate	420	U
Di-n-octyl phthalate	420	U
Diallate	420	U
Dibenzo(a,h)anthracene	420	U
Dibenzofuran	420	U
Diethyl phthalate	420	U
Dimethyl phthalate	420	U
Diphenylamine	420	U
Ethyl methacrylate	12	U
Ethyl methanesulfonate	420	U
Fluoranthene	420	U
Fluorene	420	U
Hexachlorobenzene	420	U
Hexachlorobutadiene	420	U
Hexachlorocyclopentadiene	420	U
Hexachloroethane	420	U
Hexachlorophene	2200	U
Hexachloropropene	850	U
Indeno(1,2,3-cd)pyrene	420	U
Isophorone	420	U
Isosafrole	420	U
Methapyrilene	1700	U
Methyl methanesulfonate	420	U
N-nitroso-di-n-butylamine	850	U
N-nitrosodiethylamine	420	U
N-nitrosodimethylamine	420	U
N-nitrosodiphenylamine	420	U
N-nitrosomethylethylamine	420	U
N-nitrosopiperidine	420	U
N-nitrosopyrrolidine	420	U
Naphthalene	420	U
Nitrobenzene	420	U
o,o,o-triethylphosphorothioate	420	U

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PARAMETER	RESULT	QUAL
o-toluidine	420	U
p-dimethylaminoazobenzene	1300	U
p-phenylenediamine	2100	U
Pentachlorobenzene	850	U
Pentachloroethane	850	U
Pentachloronitrobenzene	850	U
Pentachlorophenol	2000	U
Phenacetin	420	U
Phenanthrene	420	U
Phenol	420	U
Pronamide	1300	U
Pyrene	420	U
Pyridine	420	U
Safrole	420	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	6	U
1,1,1-trichloroethane	6	U
1,1,2,2-tetrachloroethane	6	U
1,1,2-trichloroethane	6	U
1,1-dichloroethane	6	U
1,1-dichloroethene	6	U
1,2,3-trichloropropane	6	U
1,2-dibromo-3-chloropropane	6	U
1,2-dibromoethane	6	U
1,2-dichlorbethane	6	U
1,2-dichloropropane	6	U
2-butanone	4	J
2-chloro-1,3-butadiene	6	U
2-hexanone	12	U
3-chloropropene	6	U
4-methyl-2-pentanone	12	U
Acetone	82	
Acetonitrile	120	U
Acrolein	12	U
Acrylonitrile	12	U
Benzene	6	U
Bis(2-chloroisopropyl)ether	420	U
Bromodichloromethane	6	U
Bromoform	6	U
Bromomethane	12	U
Carbon disulfide	6	U
Carbon tetrachloride	6	U
Chlorobenzene	6	U
Chloroethane	12	U
Chloroform	6	U
Chloromethane	12	U
Cis-1,2-dichloroethene	2	J
Cis-1,3-dichloropropene	6	U
Dibromochloromethane	6	U
Dibromomethane	6	U

PARAMETER	RESULT	QUAL
Dichlorodifluoromethane	25	U
Ethyl cyanide	120	U
Ethylbenzene	6	U
Iodomethane	6	U
Methacrylonitrile	12	U
Methyl methacrylate	12	U
Methylene chloride	27	B
Styrene	6	U
Tetrachloroethene	6	U
Toluene	6	U
Trans-1,2-dichloroethene	6	U
Trans-1,3-dichloropropene	6	U
Trans-1,4-dichloro-2-butene	25	U
Trichloroethene	6	U
Trichlorofluoromethane	6	U
Vinyl acetate	12	U
Vinyl chloride	12	U
Xylenes, total	6	U
PESTICIDES/PCBs (µg/kg)		
2,4,5-T	130	U
2,4,5-TP (silvex)	130	U
2,4-D	130	U
4,4'-DDD	20	U
4,4'-DDE	20	U
4,4'-DDT	20	U
Aldrin	9.9	U
alpha-BHC	9.9	U
alpha-chlordane	99	U
Aroclor-1016	99	U
Aroclor-1221	99	U
Aroclor-1232	99	U
Aroclor-1242	99	U
Aroclor-1248	99	U
Aroclor-1254	200	U
Aroclor-1260	200	U
beta-BHC	9.9	U
Chlorobenzilate	99	U
delta-BHC	9.9	U
Dieldrin	20	U
Dimethoate	42	U
Dinoseb	850	U
Disulfoton	42	U
Endosulfan I	9.9	U
Endosulfan II	20	U
Endosulfan sulfate	20	U
Endrin	20	U
Endrin ketone	20	U
Famphur	42	U
gamma-BHC (lindane)	9.9	U
gamma-chlordane	99	U

PARAMETER	RESULT	QUAL
Heptachlor	9.9	U
Heptachlor epoxide	9.9	U
Isodrin	9.9	U
Kepone	20	U
Methoxychlor	99	U
Methyl parathion	42	U
Parathion	42	U
Phorate	42	U
Sulfotep	42	U
Thionazin	42	U
Toxaphene	200	U
S7SB-15 AS1545 IT(1994) 1 ft		
INORGANICS (mg/kg)		
Antimony	3.3	U
Arsenic	0.34	B
Barium	4.5	B
Beryllium	0.11	U
Cadmium	0.55	U
Chromium	3.3	
Cobalt	2.2	U
Copper	1.1	U
Lead	0.28	B
Mercury	0.02	U
Nickel	2.2	U
Selenium	0.44	U
Silver	0.55	U
Thallium	0.22	U
Tin	3.3	U
Vanadium	1.1	U
Zinc	2.6	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.9	U
1,3-dichlorobenzene	4	U
1,4-dichlorobenzene	3	U
2,4,6-trichlorophenol	4300	U
2,4-dichlorophenol	4300	U
2,4-dimethylphenol	4300	U
2,4-dinitrophenol	22000	U
2-chlorophenol	4300	U
2-methyl-4,6-dinitrophenol	22000	U
2-nitrophenol	4300	U
4-chloro-3-methylphenol	4300	U
4-nitrophenol	22000	U
Acenaphthene	20	U
Acenaphthylene	20	U
Anthracene	9.9	U
Benzo(a)anthracene	9.9	U
Benzo(a)pyrene	9.9	U
Benzo(b)fluoranthene	9.9	U
Benzo(g,h,i)perylene	9.9	U

PARAMETER	RESULT	QUAL
Benzo(k)fluoranthene	9.9	U
Chrysene	9.9	U
Dibenzo(a,h)anthracene	9.9	U
Fluoranthene	9.9	U
Fluorene	9.9	U
Indeno(1,2,3-cd)pyrene	9.9	U
Naphthalene	20	U
Pentachlorophenol	22000	U
Phenanthrene	42	U*
Phenol	4300	U
Pyrene	9.9	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.3	U
1,1-dichloroethane	0.9	U
1,1-dichloroethene	1.6	U
1,2,3-trichloropropane	1.3	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.3	U
2-chloroethyl vinyl ether	1.6	U
Benzene	2.5	U
Bis(2-chloroisopropyl)ether	25	U
Bromobenzene	2.5	U
Bromodichloromethane	1.3	U
Bromoform	2.5	U
Bromomethane	1.5	U
Carbon tetrachloride	1.5	U
Chlorobenzene	2.5	U
Chloroethane	6.5	U
Chloroform	0.6	U
Chloromethane	1	U
Chlorotoluene	1.3	U
Cis-1,2-dichloroethene	1.3	U
Cis-1,3-dichloropropene	4.3	U
Dibromochloromethane	1.1	U
Dibromomethane	2.5	U
Dichlorodifluoromethane	2.3	U
Ethylbenzene	2.5	U
Methylene chloride	19	U
Tetrachloroethene	0.4	U
Toluene	2.5	U
Trans-1,2-dichloroethene	1.3	U
Trans-1,3-dichloropropene	4.3	U
Trichloroethene	1.5	U
Trichlorofluoromethane	2.5	U
Vinyl chloride	2.3	U
Xylenes, total	1.3	U

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PARAMETER	RESULT	QUAL
S7SB-16 AS1548 IT(1994) 1 ft		
INORGANICS (mg/kg)		
Antimony	3.7	U
Arsenic	3.9	
Barium	5.8	B
Beryllium	0.12	U
Cadmium	0.62	U
Chromium	4	
Cobalt	2.5	U
Copper	1.2	U
Cyanide	10	U
Lead	1.6	
Mercury	0.02	U
Nickel	2.5	U
Selenium	0.5	U
Silver	0.62	U
Thallium	0.25	U
Tin	3.7	U
Vanadium	1.2	U
Zinc	2.5	
MISCELLANEOUS (mg/kg)		
Sulfide	1600	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	2000	U
1,2,4-trichlorobenzene	2000	U
1,2-dichlorobenzene	2000	U
1,3,5-trinitrobenzene	2000	U
1,3-dichlorobenzene	2000	U
1,3-dinitrobenzene	2000	U
1,4-dichlorobenzene	2000	U
1,4-dioxane	1200	U
1,4-naphthoquinone	2000	U
1-naphthylamine	25000	U
2,3,4,6-tetrachlorophenol	2000	U
2,4,5-trichlorophenol	9900	U
2,4,6-trichlorophenol	2000	U
2,4-dichlorophenol	2000	U
2,4-dimethylphenol	2000	U
2,4-dinitrophenol	9900	U
2,4-dinitrotoluene	2000	U
2,6-dinitrotoluene	2000	U
2-acetylaminofluorene	2000	U
2-chloronaphthalene	2000	U
2-chlorophenol	2000	U
2-methyl-4,6-dinitrophenol	9900	U
2-methylnaphthalene	19000	
2-methylphenol	2000	U
2-naphthylamine	35000	U
2-nitroaniline	9900	U
2-nitrophenol	2000	U

PARAMETER	RESULT	QUAL
2-picoline	14000	U
3,3'-dichlorobenzidine	4100	U
3,3'-dimethylbenzidine	17000	U
3-methylcholanthrene	6200	U
3-methylphenol	2000	U
3-nitroaniline	9900	U
4-aminobiphenyl	10000	U
4-bromophenyl phenyl ether	2000	U
4-chloro-3-methylphenol	2000	U
4-chloroaniline	2000	U
4-chlorophenyl phenyl ether	2000	U
4-methylphenol	2000	U
4-nitroaniline	9900	U
4-nitrophenol	9900	U
4-nitroquinoline-1-oxide	2000	U
5-nitro-o-toluidine	4200	U
7,12-dimethylbenz(a)anthracene	4200	U
a,a-dimethylphenethylamine	2000	U
Acenaphthene	660	J
Acenaphthylene	2000	U
Acetophenone	2000	U
Aniline	2000	U
Anthracene	220	J
Aramite	2000	U
Benzo(a)anthracene	2000	U
Benzo(a)pyrene	2000	U
Benzo(b)fluoranthene	2000	U
Benzo(g,h,i)perylene	2000	U
Benzo(k)fluoranthene	2000	U
Benzoic acid	9900	U
Benzyl alcohol	2000	U
Bis(2-chloroethoxy)methane	2000	U
Bis(2-chloroethyl)ether	2000	U
Bis(2-ethylhexyl)phthalate	830	J
Butyl benzyl phthalate	2000	U
Chrysene	2000	U
Di-n-butyl phthalate	2000	U
Di-n-octyl phthalate	2000	U
Diallate	2000	U
Dibenzo(a,h)anthracene	2000	U
Dibenzofuran	890	J
Diethyl phthalate	2000	U
Dimethyl phthalate	2000	U
Diphenylamine	2000	U
Ethyl methacrylate	4200	U
Ethyl methanesulfonate	2000	U
Fluoranthene	2000	U
Fluorene	790	J
Hexachlorobenzene	2000	U
Hexachlorobutadiene	2000	U

PARAMETER	RESULT	QUAL
Hexachlorocyclopentadiene	2000	U
Hexachloroethane	2000	U
Hexachlorophene	11000	U
Hexachloropropene	4200	U
Indeno(1,2,3-cd)pyrene	2000	U
Isophorone	2000	U
Isosafrole	2000	U
Methapyrilene	8300	U
Methyl methanesulfonate	2000	U
N-nitroso-di-n-butylamine	4200	U
N-nitroso-di-n-propylamine	2000	U
N-nitrosodiethylamine	2000	U
N-nitrosodimethylamine	2000	U
N-nitrosodiphenylamine	2000	U
N-nitrosomethylethylamine	2000	U
N-nitrosopiperidine	2000	U
N-nitrosopyrrolidine	2000	U
Naphthalene	7900	
Nitrobenzene	2000	U
o,o,o-triethylphosphorothioate	2000	U
o-toluidine	2000	U
p-dimethylaminoazobenzene	6200	U
p-phenylenediamine	10000	U
Pentachlorobenzene	4200	U
Pentachloroethane	4200	U
Pentachloronitrobenzene	4200	U
Pentachlorophenol	9900	U
Phenacetin	2000	U
Phenanthrene	1200	J
Phenol	2000	U
Pronamide	6200	U
Pyrene	2000	U
Pyridine	2000	U
Safrole	2000	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	6	U
1,1,1-trichloroethane	6	U
1,1,2,2-tetrachloroethane	6	U
1,1,2-trichloroethane	6	U
1,1-dichloroethane	6	U
1,1-dichloroethene	6	U
1,2,3-trichloropropane	6	U
1,2-dibromo-3-chloropropane	6	U
1,2-dibromoethane	6	U
1,2-dichloroethane	6	U
1,2-dichloropropane	6	U
2-butanone	18	
2-chloro-1,3-butadiene	6	U
2-hexanone	12	U
3-chloropropene	6	U

PARAMETER	RESULT	QUAL
4-methyl-2-pentanone	12	U
Acetone	77	
Acetonitrile	120	U
Acrolein	12	U
Acrylonitrile	12	U
Benzene	6	U
Bis(2-chloroisopropyl)ether	2000	U
Bromodichloromethane	6	U
Bromoform	6	U
Bromomethane	12	U
Carbon disulfide	6	U
Carbon tetrachloride	6	U
Chlorobenzene	6	U
Chloroethane	12	U
Chloroform	6	U
Chloromethane	12	U
Cis-1,2-dichloroethene	5	J
Cis-1,3-dichloropropene	6	U
Dibromochloromethane	6	U
Dibromomethane	6	U
Dichlorodifluoromethane	25	U
Ethyl cyanide	120	U
Ethylbenzene	210	
Iodomethane	6	U
Methacrylonitrile	12	U
Methyl methacrylate	12	U
Methylene chloride	19	B
Styrene	6	U
Tetrachloroethene	6	U
Toluene	46	
Trans-1,2-dichloroethene	6	U
Trans-1,3-dichloropropene	6	U
Trans-1,4-dichloro-2-butene	25	U
Trichloroethene	6	U
Trichlorofluoromethane	6	U
Vinyl acetate	12	U
Vinyl chloride	12	U
Xylenes, total	2000	D
PESTICIDES/PCBs (µg/kg)		
2,4,5-T	120	U
2,4,5-TP (silvex)	120	U
2,4-D	120	U
4,4'-DDD	20	U
4,4'-DDE	20	U
4,4'-DDT	20	U
Aldrin	9.9	U
alpha-BHC	9.9	U
alpha-chlordane	99	U
Aroclor-1016	99	U
Aroclor-1221	99	U

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PARAMETER	RESULT	QUAL
Aroclor-1232	99	U
Aroclor-1242	99	U
Aroclor-1248	99	U
Aroclor-1254	200	U
Aroclor-1260	200	U
beta-BHC	9.9	U
Chlorobenzilate	99	U
delta-BHC	9.9	U
Dieldrin	20	U
Dimethoate	41	U
Dinoseb	4200	U
Disulfoton	41	U
Endosulfan I	9.9	U
Endosulfan II	20	U
Endosulfan sulfate	20	U
Endrin	20	U
Endrin ketone	20	U
Famphur	41	U
gamma-BHC (lindane)	9.9	U
gamma-chlordane	99	U
Heptachlor	9.9	U
Heptachlor epoxide	9.9	U
Isodrin	9.9	U
Kepone	20	U
Methoxychlor	99	U
Methyl parathion	41	U
Parathion	41	U
Phorate	41	U
Sulfotep	2000	U
Thionazin	41	U
Toxaphene	200	U
S7SB-17 AS1536 IT(1994) 1 ft		
INORGANICS (mg/kg)		
Antimony	3.9	U
Arsenic	0.41	B
Barium	5	B
Beryllium	0.15	B
Cadmium	0.65	U
Chromium	3.3	
Cobalt	2.6	U
Copper	1.3	U
Lead	0.34	B
Mercury	0.03	U
Nickel	2.6	U
Selenium	1.3	U
Silver	0.65	U
Thallium	0.26	U
Tin	3.9	U
Vanadium	1.3	U
Zinc	1.7	B

PARAMETER	RESULT	QUAL
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.9	U
1,3-dichlorobenzene	4	U
1,4-dichlorobenzene	3	U
2,4,6-trichlorophenol	4300	U
2,4-dichlorophenol	4300	U
2,4-dimethylphenol	4300	U
2,4-dinitrophenol	21000	U
2-chlorophenol	4300	U
2-methyl-4,6-dinitrophenol	21000	U
2-nitrophenol	4300	U
4-chloro-3-methylphenol	4300	U
4-nitrophenol	21000	U
Acenaphthene	12	U
Acenaphthylene	12	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	12	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Chrysene	10	U
Dibenzo(a,h)anthracene	48	U
Fluoranthene	10	U
Fluorene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Naphthalene	12	U
Pentachlorophenol	21000	U
Phenanthrene	38	U
Phenol	4300	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.9	U
1,1-dichloroethene	1.6	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U
2-chloroethyl vinyl ether	1.6	U
Benzene	2.5	U
Bis(2-chloroisopropyl)ether	25	U
Bromobenzene	2.5	U
Bromodichloromethane	1.2	U
Bromoform	2.5	U
Bromomethane	1.5	U
Carbon tetrachloride	1.5	U

PARAMETER	RESULT	QUAL
Chlorobenzene	2.5	U
Chloroethane	6.5	U
Chloroform	0.6	U
Chloromethane	1	U
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	4.2	U
Dibromochloromethane	1.1	U
Dibromomethane	2.5	U
Dichlorodifluoromethane	2.2	U
Ethylbenzene	2.5	U
Methylene chloride	19	U
Tetrachloroethene	0.4	U
Toluene	2.5	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	4.2	U
Trichloroethene	1.5	U
Trichlorofluoromethane	2.5	U
Vinyl chloride	2.2	U
Xylenes, total	1.2	U
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
S7SB-2 AS1532 IT(1994) 1 ft		
INORGANICS (mg/kg)		
Antimony	3.6	U
Arsenic	0.91	B
Barium	4.4	B
Beryllium	0.12	U
Cadmium	0.6	U
Chromium	3	
Cobalt	2.4	U
Copper	1.2	U
Lead	0.29	B
Mercury	0.02	U
Nickel	2.4	U
Selenium	0.24	U
Silver	0.6	U
Thallium	0.24	U
Tin	3.6	U
Vanadium	1.2	U
Zinc	1.7	B
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.8	U
1,3-dichlorobenzene	3.9	U
1,4-dichlorobenzene	3	U

PARAMETER	RESULT	QUAL
2,4,6-trichlorophenol	4100	U
2,4-dichlorophenol	4100	U
2,4-dimethylphenol	4100	U
2,4-dinitrophenol	21000	U
2-chlorophenol	4100	U
2-methyl-4,6-dinitrophenol	21000	U
2-nitrophenol	4100	U
4-chloro-3-methylphenol	4100	U
4-nitrophenol	21000	U
Acenaphthene	12	U
Acenaphthylene	12	U
Anthracene	9.7	U
Benzo(a)anthracene	9.7	U
Benzo(a)pyrene	9.7	U
Benzo(b)fluoranthene	9.7	U
Benzo(g,h,i)perylene	9.7	U
Benzo(k)fluoranthene	9.7	U
Chrysene	9.7	U
Dibenzo(a,h)anthracene	64	U
Fluoranthene	9.7	U
Fluorene	9.7	U
Indeno(1,2,3-cd)pyrene	9.7	U
Naphthalene	12	U
Pentachlorophenol	21000	U
Phenanthrene	39	U
Phenol	4100	U
Pyrene	9.7	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.9	U
1,1-dichloroethene	1.6	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U
2-chloroethyl vinyl ether	1.6	U
Benzene	2.5	U
Bis(2-chloroisopropyl)ether	25	U
Bromobenzene	2.5	U
Bromodichloromethane	1.2	U
Bromoform	2.5	U
Bromomethane	1.5	U
Carbon tetrachloride	1.5	U
Chlorobenzene	2.5	U
Chloroethane	6.4	U
Chloroform	0.6	U
Chloromethane	1	U

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PARAMETER	RESULT	QUAL
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	4.2	U
Dibromochloromethane	1.1	U
Dibromomethane	2.5	U
Dichlorodifluoromethane	2.2	U
Ethylbenzene	2.5	U
Methylene chloride	18	U
Tetrachloroethene	0.4	U
Toluene	2.5	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	4.2	U
Trichloroethene	1.5	U
Trichlorofluoromethane	2.5	U
Vinyl chloride	2.2	U
Xylenes, total	1.2	U
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
S7SB-4 AS1539 IT(1994) 1 ft		
INORGANICS (mg/kg)		
Antimony	3.4	U
Arsenic	0.33	B
Barium	3.8	B
Beryllium	0.13	B
Cadmium	0.57	U
Chromium	3.5	
Cobalt	2.3	U
Copper	1.1	U
Lead	0.37	B
Mercury	0.03	
Nickel	2.3	U
Selenium	0.23	U
Silver	0.57	U
Thallium	0.23	U
Tin	3.4	U
Vanadium	1.1	U
Zinc	1.8	B
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.9	U
1,3-dichlorobenzene	4.1	U
1,4-dichlorobenzene	3	U
2,4,6-trichlorophenol	4500	U
2,4-dichlorophenol	4500	U
2,4-dimethylphenol	4500	U
2,4-dinitrophenol	23000	U

PARAMETER	RESULT	QUAL
2-chlorophenol	4500	U
2-methyl-4,6-dinitrophenol	23000	U
2-nitrophenol	4500	U
4-chloro-3-methylphenol	4500	U
4-nitrophenol	23000	U
Acenaphthene	20	U
Acenaphthylene	20	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Chrysene	10	U
Dibenzo(a,h)anthracene	10	U
Fluoranthene	10	U
Fluorene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Naphthalene	20	U
Pentachlorophenol	23000	U
Phenanthrene	11	U*
Phenol	4500	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.3	U
1,1-dichloroethane	0.9	U
1,1-dichloroethene	1.6	U
1,2,3-trichloropropane	1.3	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.3	U
2-chloroethyl vinyl ether	1.6	U
Benzene	2.5	U
Bis(2-chloroisopropyl)ether	25	U
Bromobenzene	2.5	U
Bromodichloromethane	1.3	U
Bromoform	2.5	U
Bromomethane	1.5	U
Carbon tetrachloride	1.5	U
Chlorobenzene	2.5	U
Chloroethane	6.6	U
Chloroform	0.6	U
Chloromethane	1	U
Chlorotoluene	1.3	U
Cis-1,2-dichloroethene	1.3	U
Cis-1,3-dichloropropene	4.3	U
Dibromochloromethane	1.1	U

PARAMETER	RESULT	QUAL
Dibromomethane	2.5	U
Dichlorodifluoromethane	2.3	U
Ethylbenzene	2.5	U
Methylene chloride	19	U
Tetrachloroethene	0.4	U
Toluene	2.5	U
Trans-1,2-dichloroethene	1.3	U
Trans-1,3-dichloropropene	4.3	U
Trichloroethene	1.5	U
Trichlorofluoromethane	2.5	U
Vinyl chloride	2.3	U
Xylenes, total	1.3	U
S7SB-6 AS1541 IT(1994) 1 ft		
INORGANICS (mg/kg)		
Antimony	3.1	U
Arsenic	0.21	U
Barium	4.9	B
Beryllium	0.12	B
Cadmium	0.52	U
Chromium	2.8	
Cobalt	2.1	U
Copper	1	U
Lead	0.21	U
Mercury	0.02	
Nickel	2.1	U
Selenium	0.21	U
Silver	0.52	U
Thallium	0.21	U
Tin	3.1	U
Vanadium	1	U
Zinc	1.5	B
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.8	U
1,3-dichlorobenzene	3.9	U
1,4-dichlorobenzene	2.9	U
2,4,6-trichlorophenol	4100	U
2,4-dichlorophenol	4100	U
2,4-dimethylphenol	4100	U
2,4-dinitrophenol	21000	U
2-chlorophenol	4100	U
2-methyl-4,6-dinitrophenol	21000	U
2-nitrophenol	4100	U
4-chloro-3-methylphenol	4100	U
4-nitrophenol	21000	U
Acenaphthene	19	U
Acenaphthylene	19	U
Anthracene	9.6	U
Benzo(a)anthracene	9.6	U
Benzo(a)pyrene	9.6	U
Benzo(b)fluoranthene	9.6	U

PARAMETER	RESULT	QUAL
Benzo(g,h,i)perylene	9.6	U
Benzo(k)fluoranthene	9.6	U
Chrysene	9.6	U
Dibenzo(a,h)anthracene	9.6	U
Fluoranthene	9.6	U
Fluorene	9.6	U
Indeno(1,2,3-cd)pyrene	9.6	U
Naphthalene	19	U
Pentachlorophenol	21000	U
Phenanthrene	14	U*
Phenol	4100	U
Pyrene	9.6	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.9	U
1,1-dichloroethene	1.6	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U
2-chloroethyl vinyl ether	1.6	U
Benzene	2.4	U
Bis(2-chloroisopropyl)ether	24	U
Bromobenzene	2.4	U
Bromodichloromethane	1.2	U
Bromoform	2.4	U
Bromomethane	1.5	U
Carbon tetrachloride	1.5	U
Chlorobenzene	2.4	U
Chloroethane	6.3	U
Chloroform	0.6	U
Chloromethane	1	U
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	4.1	U
Dibromochloromethane	1.1	U
Dibromomethane	2.4	U
Dichlorodifluoromethane	2.2	U
Ethylbenzene	2.4	U
Methylene chloride	18	U
Tetrachloroethene	0.4	U
Toluene	2.4	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	4.1	U
Trichloroethene	1.5	U
Trichlorofluoromethane	2.4	U
Vinyl chloride	2.2	U

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PARAMETER	RESULT	QUAL
Xylenes, total	1.2	U
S7SB-8 AS1543 IT(1994) 1 ft		
INORGANICS (mg/kg)		
Antimony	3.2	U
Arsenic	0.31	B
Barium	4.5	B
Beryllium	0.13	B
Cadmium	0.53	U
Chromium	4.2	
Cobalt	2.1	U
Copper	1.1	U
Lead	0.21	U
Mercury	0.04	
Nickel	2.1	U
Selenium	0.21	U
Silver	0.53	U
Thallium	0.21	U
Tin	3.2	U
Vanadium	1.1	U
Zinc	2.2	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.9	U
1,3-dichlorobenzene	4	U
1,4-dichlorobenzene	3	U
2,4,6-trichlorophenol	4200	U
2,4-dichlorophenol	4200	U
2,4-dimethylphenol	4200	U
2,4-dinitrophenol	21000	U
2-chlorophenol	4200	U
2-methyl-4,6-dinitrophenol	21000	U
2-nitrophenol	4200	U
4-chloro-3-methylphenol	4200	U
4-nitrophenol	21000	U
Acenaphthene	20	U
Acenaphthylene	20	U
Anthracene	9.8	U
Benzo(a)anthracene	9.8	U
Benzo(a)pyrene	9.8	U
Benzo(b)fluoranthene	9.8	U
Benzo(g,h,i)perylene	9.8	U
Benzo(k)fluoranthene	9.8	U
Chrysene	9.8	U
Dibenzo(a,h)anthracene	9.8	U
Fluoranthene	9.8	U
Fluorene	9.8	U
Indeno(1,2,3-cd)pyrene	9.8	U
Naphthalene	20	U
Pentachlorophenol	21000	U
Phenanthrene	45	U*
Phenol	4200	U

PARAMETER	RESULT	QUAL
Pyrene	9.8	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.9	U
1,1-dichloroethene	1.6	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U
2-chloroethyl vinyl ether	1.6	U
Benzene	2.5	U
Bis(2-chloroisopropyl)ether	25	U
Bromobenzene	2.5	U
Bromodichloromethane	1.2	U
Bromoform	2.5	U
Bromomethane	1.5	U
Carbon tetrachloride	1.5	U
Chlorobenzene	2.5	U
Chloroethane	6.5	U
Chloroform	0.6	U
Chloromethane	1	U
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	4.2	U
Dibromochloromethane	1.1	U
Dibromomethane	2.5	U
Dichlorodifluoromethane	2.2	U
Ethylbenzene	2.5	U
Methylene chloride	19	U
Tetrachloroethene	0.4	U
Toluene	2.5	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	4.2	U
Trichloroethene	1.5	U
Trichlorofluoromethane	2.5	U
Vinyl chloride	2.2	U
Xylenes, total	1.2	U

PARAMETER	RESULT	QUAL

PARAMETER	RESULT	QUAL

APPENDIX H-2

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PARAMETER	RESULT	QUAL
AOC B		
ABF19 KW02026 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	677	
Antimony	7.81	U
Arsenic	0.727	B
Barium	16.8	
Beryllium	0.416	U
Cadmium	0.739	U
Chromium	4.12	B
Cobalt	1.32	B
Copper	11.9	
Iron	2000	
Lead	11.9	U
Manganese	11.7	
Mercury	0.104	U
Nickel	2.18	B
Selenium	384	U
Silver	1.55	U
Thallium	0.0627	U
Vanadium	0.63	U
Zinc	61.8	
IR 1		
I1A22(C) KW02786 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	1190	E*
Antimony	8.3	EN
Arsenic	1.6	E
Barium	23.7	E
Beryllium	0.03	B
Cadmium	0.62	EN
Chromium	18.8	E
Cobalt	0.61	E
Copper	214	*
Iron	2660	E*
Lead	458	E*
Manganese	32.2	EN*
Mercury	0.24	
Nickel	6	EN*
Selenium	0.08	U
Silver	0.24	B
Thallium	0.11	UN
Vanadium	5	EN
Zinc	347	
I1A8 KW02716 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	3.6	
Lead	198	
I1AA11 KW02656 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	4.1	
Lead	217	
I1AA13 KW02653 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	551	
Antimony	6.7	
Arsenic	3.3	
Barium	29.7	
Beryllium	0.02	B
Cadmium	1.4	
Chromium	11.4	
Cobalt	0.49	B
Copper	167	
Iron	2560	
Lead	155	
Manganese	39.3	
Mercury	0.48	
Nickel	5	
Selenium	0.09	B
Silver	0.3	B
Thallium	0.11	U
Vanadium	3.9	
Zinc	193	
I1AB14(C) KW02774/75-AV BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	740	
Antimony	4.5	N
Arsenic	2.65	
Barium	22.9	N
Beryllium	0.025	B
Cadmium	0.525	B
Chromium	47.35	*
Cobalt	0.735	B
Copper	796.5	*
Iron	6165	
Lead	268.5	N
Manganese	49	
Mercury	3.05	ND
Nickel	7.8	
Selenium	0.155	U
Silver	0.2	B
Thallium	0.22	U
Vanadium	4.55	
Zinc	353.5	*
I1AB22(C) KW02793 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	1670	E*
Antimony	21.6	E*
Arsenic	2.5	E
Barium	41.2	E
Beryllium	0.05	B
Cadmium	2.1	E
Chromium	28.3	EN*
Cobalt	1	E
Copper	334	E
Iron	3760	E*
Lead	417	*
Manganese	72.8	E
Mercury	1.2	
Nickel	11	EN*
Selenium	0.08	UN
Silver	1.2	
Thallium	0.11	UN
Vanadium	8.1	EN*
Zinc	3240	*
I1AC11 KW02655 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	2.9	
Lead	177	
I1AC13 KW02652 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	2.6	
Lead	141	
I1AC9 KW02717 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	669	
Antimony	0.17	B
Arsenic	1.2	
Barium	16.9	
Beryllium	0.02	B
Cadmium	0.16	B
Chromium	5	
Cobalt	0.12	B
Copper	10.4	
Iron	641	
Lead	40.5	
Manganese	17.3	
Mercury	0.05	
Nickel	1.4	
Selenium	0.29	B
Silver	0.15	U
Thallium	0.13	U
Vanadium	3.4	
Zinc	24.4	
I1AD11(C) KW02787 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	344	E*
Antimony	2.7	EN
Arsenic	2.2	E
Barium	17.6	E
Beryllium	0.01	U
Cadmium	0.35	EN
Chromium	12.4	E
Cobalt	0.35	BE
Copper	110	*
Iron	926	E*
Lead	121	E*
Manganese	18.6	EN*
Mercury	0.45	
Nickel	5.6	EN*
Selenium	0.08	B
Silver	0.16	B
Thallium	0.11	UN
Vanadium	3.2	EN
Zinc	186	
I1AD13(C) KW02788/89-AV BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	721	E*
Antimony	7.75	EN
Arsenic	6.8	E
Barium	25.3	E
Beryllium	0.03	B
Cadmium	0.8	EN
Chromium	34.45	E
Cobalt	0.685	E
Copper	1375	*
Iron	3765	E*
Lead	356.5	E*
Manganese	45.8	EN*
Mercury	2.2	
Nickel	7.5	EN*
Selenium	0.08	U
Silver	0.32	B
Thallium	0.12	UN
Vanadium	7.95	EN
Zinc	390	
I1AD21(C) KW02794/95-AV BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	1355	E*
Antimony	32.8	E*
Arsenic	3.7	E
Barium	68.95	E
Beryllium	0.105	B
Cadmium	1.65	E
Chromium	28.4	EN*
Cobalt	1.45	E
Copper	469.5	E

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PARAMETER	RESULT	QUAL
Iron	5980	E*
Lead	553.5	*
Manganese	93.15	E
Mercury	0.645	
Nickel	20.05	EN*
Selenium	0.08	UN
Silver	1.8	
Thallium	0.22	UN
Vanadium	12.6	EN*
Zinc	810	*
I1B11 KW02657 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	6.1	
Lead	108	
I1B13 KW02654 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	3.9	
Lead	138	
I1B14 KW2620 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	733	
Antimony	11	EN
Arsenic	3	E
Barium	38.3	N
Beryllium	0.11	B
Cadmium	0.89	N
Chromium	13.5	EN
Cobalt	0.77	BE
Copper	189	
Iron	3100	E
Lead	264	E*
Manganese	56.7	E
Mercury	0.47	N
Nickel	6.9	E
Selenium	0.29	UN
Silver	0.43	B
Thallium	0.34	UN
Vanadium	5	
Zinc	373	
I1BA17(C) KW02798 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Lead	180	EN
I1BB17 KW02701 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1.7	
Lead	200	
I1C14(C) KW02776 BEI(C) 0 ft		
INORGANICS (mg/kg)		

PARAMETER	RESULT	QUAL
Aluminum	435	
Antimony	3	N
Arsenic	1.9	
Barium	20.4	N
Beryllium	0.02	U
Cadmium	0.6	
Chromium	9.3	*
Cobalt	0.44	B
Copper	139	*
Iron	2210	
Lead	89.5	N
Manganese	23.3	
Mercury	0.38	ND
Nickel	2.9	
Selenium	0.27	B
Silver	0.25	B
Thallium	0.2	U
Vanadium	3	
Zinc	143	*
I1C23(C) KW02790 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	1700	E*
Antimony	6.7	EN
Arsenic	2.3	E
Barium	45.5	E
Beryllium	0.26	B
Cadmium	0.82	EN
Chromium	24.5	E
Cobalt	0.95	E
Copper	230	*
Iron	2310	E*
Lead	185	E*
Manganese	116	EN*
Mercury	0.39	
Nickel	4.7	EN*
Selenium	0.09	B
Silver	0.66	
Thallium	0.12	UN
Vanadium	4.4	EN
Zinc	437	
I1C8 KW02715 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	3.8	
Lead	255	
I1D11 KW02234 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	670	
Antimony	1	B
Arsenic	0.99	B

PARAMETER	RESULT	QUAL
Barium	8.8	
Beryllium	0.06	B
Cadmium	0.33	U
Chromium	6.7	
Cobalt	0.46	B
Copper	35.9	
Iron	1550	
Lead	22.3	
Manganese	16.7	
Mercury	0.02	B
Nickel	3.6	B
Selenium	0.3	U
Silver	0.77	U
Thallium	0.42	U
Vanadium	0.42	U
Zinc	84.8	
I1D13 KW02231 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	647	
Antimony	5.2	
Arsenic	2.3	
Barium	31.5	
Beryllium	0.05	B
Cadmium	0.44	B
Chromium	10.4	
Cobalt	0.65	B
Copper	441	
Iron	2310	
Lead	136	
Manganese	30.7	
Mercury	0.81	
Nickel	3.5	B
Selenium	0.53	B
Silver	0.76	U
Thallium	0.41	U
Vanadium	0.41	U
Zinc	191	
I1E10 KW02255 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	1080	
Antimony	0.59	B
Arsenic	1.1	B
Barium	7.1	
Beryllium	0.07	B
Cadmium	0.36	U
Chromium	4.4	B
Cobalt	0.38	U
Copper	5.5	B
Iron	944	
Lead	11.9	

PARAMETER	RESULT	QUAL
Manganese	9.3	
Mercury	0.04	
Nickel	1.7	B
Selenium	0.33	U
Silver	0.86	U
Thallium	0.46	U
Vanadium	0.46	U
Zinc	20.7	
I1E12 KW02297 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	851	
Antimony	5.1	
Arsenic	2.4	
Barium	38.7	
Beryllium	0.19	B
Cadmium	0.7	B
Chromium	25.8	
Cobalt	1.2	B
Copper	1180	
Iron	3070	
Lead	370	
Manganese	32.1	
Mercury	9.3	X
Nickel	9.8	
Selenium	0.3	U
Silver	0.79	U
Thallium	0.43	U
Vanadium	0.43	U
Zinc	421	
I1E14 KW02295 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	776	
Antimony	5.6	
Arsenic	2.1	
Barium	67.3	
Beryllium	0.04	B
Cadmium	0.68	B
Chromium	12.2	
Cobalt	0.6	B
Copper	118	
Iron	1990	
Lead	131	
Manganese	36.9	
Mercury	0.12	
Nickel	5.4	
Selenium	0.32	U
Silver	0.83	U
Thallium	0.45	U
Vanadium	0.45	U
Zinc	227	

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PARAMETER	RESULT	QUAL
I1E22(C) KW02767 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	1880	
Antimony	63.2	N
Arsenic	10	
Barium	163	N
Beryllium	0.04	B
Cadmium	2.1	
Chromium	40.2	*
Cobalt	5.3	
Copper	662	*
Iron	45200	
Lead	520	N
Manganese	372	
Mercury	0.71	N
Nickel	49.1	
Selenium	0.17	U
Silver	5.1	
Thallium	0.24	U
Vanadium	8.6	
Zinc	1430	*D
I1E8 KW02714 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	44.7	
Lead	298	
I1F24 KW02728/29-AV BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1.5	
Lead	40.1	
I1G10 KW02257 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	737	
Antimony	6.1	
Arsenic	1.9	B
Barium	32.7	
Beryllium	0.07	B
Cadmium	0.48	B
Chromium	14.9	
Cobalt	0.84	B
Copper	79	
Iron	2020	
Lead	155	
Manganese	33.8	
Mercury	0.21	
Nickel	5.2	
Selenium	0.3	U
Silver	0.79	U
Thallium	0.43	U
Vanadium	0.43	U
Zinc	204	
I1G25(C) KW02785 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	1690	E*
Antimony	25.7	EN
Arsenic	9.4	E
Barium	111	E
Beryllium	0.03	B
Cadmium	2	EN
Chromium	41	E
Cobalt	1.7	E
Copper	530	*
Iron	6970	E*
Lead	680	E*
Manganese	191	EN*
Mercury	0.85	
Nickel	27.5	EN*
Selenium	0.11	B
Silver	2.4	
Thallium	0.12	UN
Vanadium	20.2	EN
Zinc	1260	
I1G25(C) KW02797 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Lead	94.8	EN
I1H25 KW02658 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1.3	
Lead	259	
I1H9 KW02713 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	5.3	
Lead	367	
I1J23 KW02670 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	1350	
Antimony	37.7	
Arsenic	2.3	
Barium	118	
Beryllium	0.04	B
Cadmium	3.6	
Chromium	13.2	
Cobalt	1.2	
Copper	237	
Iron	4890	
Lead	227	
Manganese	63.6	
Mercury	0.42	
Nickel	7.6	
Selenium	0.16	B
Silver	0.75	
Thallium	0.11	U
Vanadium	5.5	
Zinc	607	D
I1J25 KW02659 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	2.3	
Lead	257	
I1L22(C) KW02780 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	247	
Antimony	1.1	N
Arsenic	2.6	
Barium	13.7	N
Beryllium	0.01	UN
Cadmium	0.17	BN
Chromium	4.3	EN
Cobalt	0.17	BEN
Copper	25.3	N
Iron	828	E
Lead	41.1	EN
Manganese	11.2	N
Mercury	0.2	
Nickel	1	EN
Selenium	0.08	UN
Silver	0.13	U
Thallium	0.11	UN
Vanadium	2.7	N
Zinc	39.4	N
I1L23 KW026711 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	2.7	
Lead	29.7	
I1L25 KW02660 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	603	
Antimony	0.51	B
Arsenic	0.98	
Barium	13.2	
Beryllium	0.02	B
Cadmium	0.14	B
Chromium	4.1	
Cobalt	0.19	B
Copper	60.6	
Iron	810	
Lead	17.2	
Manganese	41.6	
Mercury	0.06	
Nickel	2.3	
Selenium	0.21	B
Silver	0.14	U
Thallium	0.12	U
Vanadium	2.6	
Zinc	58.2	
I1L27 KW02733 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1.3	
Lead	144	
I1M20(C) KW02779 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	885	
Antimony	7.6	N
Arsenic	6.8	
Barium	40.6	N
Beryllium	0.1	BN
Cadmium	0.57	N
Chromium	34.7	EN
Cobalt	5.5	EN
Copper	263	N
Iron	8110	E
Lead	371	EN
Manganese	45	N
Mercury	1.3	
Nickel	19.7	EN
Selenium	0.12	BN
Silver	0.4	B
Thallium	0.11	UN
Vanadium	3.8	N
Zinc	505	N
I1N19 KW02688 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1.3	
Lead	197	
I1N21 KW02680 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	3	
Lead	52.5	
I1N23 KW02672 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1.7	
Lead	84.7	
I1N25 KW02661 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1.1	
Lead	49.9	

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PARAMETER	RESULT	QUAL
I1N27 KW02734 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1.6	
Lead	19.5	
I1P10 KW02708 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	4.2	
Lead	319	
I1P10(C) KW02772 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	12200	
Antimony	7.6	N
Arsenic	2.2	
Barium	31	N
Beryllium	0.17	B
Cadmium	1.3	
Chromium	35.5	*
Cobalt	0.79	B
Copper	763	*
Iron	10500	
Lead	162	N
Manganese	132	
Mercury	0.61	N
Nickel	16.9	
Selenium	0.17	U
Silver	0.82	B
Thallium	0.24	U
Vanadium	8.2	
Zinc	284	*
I1P18(C) KW02777 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	1280	
Antimony	1.4	N
Arsenic	1.6	
Barium	27.6	N
Beryllium	0.04	BN
Cadmium	0.24	BN
Chromium	14.1	EN
Cobalt	1.1	EN
Copper	140	N
Iron	2790	E
Lead	165	EN
Manganese	46.8	N
Mercury	0.66	
Nickel	3.8	EN
Selenium	0.08	UN
Silver	0.13	U
Thallium	0.11	UN
Vanadium	4.1	N
Zinc	125	N
I1R19 KW02689 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1	
Lead	92.7	
I1R21 KW02681 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	2	
Lead	23	
I1R23 KW02673 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1.5	
Lead	36.8	
I1R25 KW02662 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	393	
Antimony	0.76	
Arsenic	0.92	
Barium	12.4	
Beryllium	0.01	B
Cadmium	0.16	B
Chromium	16.6	
Cobalt	0.16	B
Copper	16	
Iron	710	
Lead	93.4	
Manganese	16.6	
Mercury	0.06	
Nickel	1.1	
Selenium	0.08	U
Silver	0.13	U
Thallium	0.11	U
Vanadium	2	
Zinc	45.6	
I1R27 KW02735 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1.3	
Lead	26.7	
I1S10 KW02707 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	2.3	
Lead	345	
I1S12(C) KW02771 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	2050	
Antimony	203	N
Arsenic	7.5	
Barium	59.2	N
Beryllium	0.07	B
Cadmium	1.4	
Chromium	39.7	*
Cobalt	1.7	
Copper	2240	*
Iron	6670	
Lead	383	N
Manganese	120	
Mercury	0.73	N
Nickel	12.7	
Selenium	0.16	U
Silver	1.3	
Thallium	0.23	U
Vanadium	10.1	
Zinc	820	*D
I1S14(C) KW02770 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	1000	
Antimony	2	N
Arsenic	3.5	
Barium	58	N
Beryllium	0.05	B
Cadmium	0.74	
Chromium	153	*
Cobalt	1.6	
Copper	2250	*
Iron	4410	
Lead	567	N
Manganese	93.2	
Mercury	7	ND
Nickel	6.2	
Selenium	0.16	U
Silver	0.26	U
Thallium	0.22	U
Vanadium	4	
Zinc	693	*D
I1T13 KW02706 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	1090	
Antimony	0.47	B
Arsenic	1.4	
Barium	15.5	
Beryllium	0.05	B
Cadmium	0.45	
Chromium	11	
Cobalt	0.55	
Copper	229	
Iron	2650	
Lead	63.6	
Manganese	44.3	
Mercury	0.31	
Nickel	2.7	
Selenium	0.12	B
Silver	0.13	U
Thallium	0.11	U
Vanadium	3.9	
Zinc	104	
I1T18(C) KW02768 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	1030	
Antimony	3.9	N
Arsenic	4.4	
Barium	35	N
Beryllium	0.04	B
Cadmium	0.78	
Chromium	64.8	*
Cobalt	1.2	
Copper	1160	*
Iron	3640	
Lead	506	N
Manganese	35.9	
Mercury	3.1	ND
Nickel	11.4	
Selenium	0.16	U
Silver	0.27	U
Thallium	0.22	U
Vanadium	6.8	
Zinc	405	*
I1T19 KW02690 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	2.5	
Lead	90.9	
I1T21 KW02682 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	0.81	
Lead	31.2	
I1T23 KW02674 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	0.96	
Lead	16	
I1T25 KW02663 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1.4	
Lead	40	
I1T27 KW02736 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1.2	
Lead	21.9	

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PARAMETER	RESULT	QUAL
I1V15 KW02705 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	3.5	
Lead	360	
I1V16(C) KW02769 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	1310	
Antimony	2.1	N
Arsenic	4	
Barium	27.8	N
Beryllium	0.06	B
Cadmium	0.43	B
Chromium	31.2	*
Cobalt	1.4	
Copper	467	*
Iron	5310	
Lead	183	N
Manganese	116	
Mercury	5.1	ND
Nickel	5.3	
Selenium	0.17	U
Silver	0.28	U
Thallium	0.23	U
Vanadium	4.4	
Zinc	268	*
I1V17 KW02698 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	3.1	
Lead	170	
I1V19 KW02691/92-AV BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	496.5	
Antimony	0.83	
Arsenic	6.1	
Barium	8.01	
Beryllium	0.01	B
Cadmium	0.19	B
Chromium	12.55	
Cobalt	0.24	B
Copper	118.5	
Iron	985.5	
Lead	50.35	
Manganese	15.25	
Mercury	1.1	
Nickel	1.45	
Selenium	0.115	B
Silver	0.14	U
Thallium	0.115	U
Vanadium	4	
Zinc	87.65	D
I1V21 KW02683 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1.2	
Lead	19.9	
I1V23 KW02675 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	559	
Antimony	0.26	B
Arsenic	1.1	
Barium	10.4	
Beryllium	0.01	B
Cadmium	-0.11	B
Chromium	4.3	
Cobalt	0.06	B
Copper	12.3	
Iron	524	
Lead	11.7	
Manganese	9.5	
Mercury	0.03	
Nickel	1.3	
Selenium	0.23	B
Silver	0.14	U
Thallium	0.11	U
Vanadium	4.2	
Zinc	12.6	
I1V25 KW02664 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	7.6	
Lead	182	
I1V27 KW02737 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	736	
Antimony	0.39	B
Arsenic	0.9	
Barium	22.5	
Beryllium	0.01	B
Cadmium	0.17	
Chromium	3.6	
Cobalt	0.17	
Copper	16.1	
Iron	733	
Lead	34.3	
Manganese	38.2	
Mercury	0.07	
Nickel	1.2	
Selenium	0.25	B
Silver	0.26	B
Thallium	0.12	U
Vanadium	2.5	
Zinc	49.4	
I1X15 KW02704 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1.8	
Lead	145	
I1X17 KW02699 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	2	
Lead	262	
I1X19 KW02693 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1.8	
Lead	98.4	
I1X21 KW02684 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1.5	
Lead	31.9	
I1X23 KW02676 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	2.6	
Lead	39.7	
I1X25 KW02665/66-AV BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1.2	
Lead	17.25	
I1X27 KW02738 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	0.91	
Lead	8.2	
I1Z16 KW02703 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1.8	
Lead	514	
I1Z17 KW02700 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	882	
Antimony	3	
Arsenic	2.3	
Barium	29	
Beryllium	0.03	B
Cadmium	0.64	
Chromium	36	
Cobalt	0.76	
Copper	1490	
Iron	7200	
Lead	454	
Manganese	45.1	
Mercury	2.3	D
Nickel	6.9	
Selenium	0.38	
Silver	0.13	U
Thallium	0.11	U
Vanadium	5.1	
Zinc	955	D
I1Z19 KW02696 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1.8	
Lead	25.9	
I1Z21 KW02685 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	2.2	
Lead	53.3	
I1Z23 KW02677 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1.3	
Lead	40.2	
I1Z25 KW02667 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1.3	
Lead	41.8	
I1Z27 KW02739 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	1.2	
Lead	15.5	
IR 3		
I3C12(C) KW02747 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	456	
Antimony	0.18	B
Arsenic	1	B
Barium	32.6	
Beryllium	0.01	U
Cadmium	0.1	B
Chromium	2.9	
Cobalt	0.26	B
Copper	11.9	
Cyanide	0.36	B
Iron	851	
Lead	59.7	
Manganese	23.6	
Mercury	0.07	
Nickel	1.8	
Selenium	0.17	U
Silver	0.28	U

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PARAMETER	RESULT	QUAL
Thallium	0.23	U
Vanadium	3.3	
Zinc	52	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	370	U
4,4'-DDE	1400	D
4,4'-DDT	1200	D
Aldrin	92	U
alpha-BHC	92	U
alpha-chlordane	180	U
beta-BHC	180	U
delta-BHC	180	U
Dieldrin	180	U
Endosulfan I	180	U
Endosulfan II	370	U
Endosulfan sulfate	370	U
Endrin	180	U
Endrin ketone	370	U
gamma-BHC (lindane)	92	U
gamma-chlordane	180	U
Heptachlor	180	U
Heptachlor epoxide	180	U
Methoxychlor	1800	U
Toxaphene	3700	U
I3C13(C) KW02748 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	489	
Antimony	0.18	B
Arsenic	0.96	B
Barium	20.8	
Beryllium	0.01	U
Cadmium	0.15	B
Chromium	2.8	
Cobalt	0.2	B
Copper	8.6	
Cyanide	1	
Iron	527	
Lead	85.3	
Manganese	13.6	
Mercury	0.29	
Nickel	0.87	B
Selenium	0.16	U
Silver	0.26	U
Thallium	0.22	U
Vanadium	2.2	
Zinc	65.7	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	18	U
4,4'-DDE	4.6	JD
4,4'-DDT	6	JDP

PARAMETER	RESULT	QUAL
Aldrin	4.6	U
alpha-BHC	4.6	U
alpha-chlordane	9.2	U
beta-BHC	9.2	U
delta-BHC	9.2	U
Dieldrin	9.2	U
Endosulfan I	9.2	U
Endosulfan II	18	U
Endosulfan sulfate	18	U
Endrin	9.2	U
Endrin ketone	18	U
gamma-BHC (lindane)	4.6	U
gamma-chlordane	9.2	U
Heptachlor	9.2	U
Heptachlor epoxide	9.2	U
Methoxychlor	92	U
Toxaphene	180	U
I3D11(C) KW02746 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	1110	
Antimony	0.12	B
Arsenic	5.4	
Barium	34.4	
Beryllium	0.02	B
Cadmium	0.11	B
Chromium	2.8	
Cobalt	0.23	B
Copper	7.6	
Cyanide	0.3	B
Iron	1080	
Lead	34.8	
Manganese	103	
Mercury	0.1	
Nickel	1.1	B
Selenium	0.17	U
Silver	0.28	U
Thallium	0.23	U
Vanadium	3.7	
Zinc	35.6	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	160	JPD
4,4'-DDE	1300	D
4,4'-DDT	1700	ED
Aldrin	95	U
alpha-BHC	95	U
alpha-chlordane	190	U
beta-BHC	190	U
delta-BHC	190	U
Dieldrin	190	U
Endosulfan I	190	U

PARAMETER	RESULT	QUAL
Endosulfan II	380	U
Endosulfan sulfate	380	U
Endrin	190	U
Endrin ketone	380	U
gamma-BHC (lindane)	95	U
gamma-chlordane	190	U
Heptachlor	190	U
Heptachlor epoxide	190	U
Methoxychlor	1900	U
Toxaphene	3800	U
I3D13(C) KW02755 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	934	
Antimony	0.42	B
Arsenic	4.4	
Barium	49.2	
Beryllium	0.02	B
Cadmium	0.37	
Chromium	5.9	
Cobalt	0.39	B
Copper	29.9	
Cyanide	3.1	
Iron	1130	
Lead	224	
Manganese	53.2	
Mercury	0.24	
Nickel	1.9	
Selenium	0.15	U
Silver	0.43	B
Thallium	0.22	U
Vanadium	3.3	
Zinc	485	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	7500	EPD
4,4'-DDE	7400	ED
4,4'-DDT	21000	D
Aldrin	92	U
alpha-BHC	92	U
alpha-chlordane	180	U
beta-BHC	180	U
delta-BHC	180	U
Dieldrin	180	U
Endosulfan I	180	U
Endosulfan II	370	U
Endosulfan sulfate	370	U
Endrin	190	PD
Endrin ketone	370	U
gamma-BHC (lindane)	92	U
gamma-chlordane	180	U
Heptachlor	180	U

PARAMETER	RESULT	QUAL
Heptachlor epoxide	180	U
Methoxychlor	1800	U
Toxaphene	3700	U
I3E10(C) KW02751 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	2540	
Antimony	0.84	B
Arsenic	13	
Barium	31.1	
Beryllium	0.06	b
Cadmium	0.21	B
Chromium	5.6	
Cobalt	0.47	B
Copper	10	
Cyanide	0.93	B
Iron	1630	
Lead	56.7	
Manganese	100	
Mercury	0.38	
Nickel	1.6	
Selenium	0.62	B
Silver	0.34	U
Thallium	0.28	U
Vanadium	3.5	
Zinc	47.4	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	710	PD
4,4'-DDE	2100	ED
4,4'-DDT	9000	D
Aldrin	110	U
alpha-BHC	110	U
alpha-chlordane	220	U
beta-BHC	220	U
delta-BHC	220	U
Dieldrin	220	U
Endosulfan I	220	U
Endosulfan II	450	U
Endosulfan sulfate	450	U
Endrin	220	U
Endrin ketone	450	U
gamma-BHC (lindane)	110	U
gamma-chlordane	220	U
Heptachlor	220	U
Heptachlor epoxide	220	U
Methoxychlor	2200	U
Toxaphene	4500	U
I3F13(C) KW02754 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	1410	
Antimony	0.72	B

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PARAMETER	RESULT	QUAL
Arsenic	2.3	
Barium	66.8	
Beryllium	0.03	B
Cadmium	1.4	
Chromium	8.8	
Cobalt	0.84	B
Copper	35.8	
Cyanide	4.8	
Iron	2430	
Lead	337	
Manganese	44.8	
Mercury	0.28	
Nickel	3.6	
Selenium	0.37	B
Silver	0.28	B
Thallium	0.23	U
Vanadium	6.5	
Zinc	1430	D
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	6700	EPD
4,4'-DDE	19000	D
4,4'-DDT	13000	D
Aldrin	97	U
alpha-BHC	97	U
alpha-chlordane	190	U
beta-BHC	190	U
delta-BHC	190	U
Dieldrin	190	U
Endosulfan I	190	U
Endosulfan II	390	U
Endosulfan sulfate	390	U
Endrin	370	PD
Endrin ketone	390	U
gamma-BHC (lindane)	97	U
gamma-chlordane	190	U
Heptachlor	190	U
Heptachlor epoxide	190	U
Methoxychlor	1900	U
Toxaphene	3900	U
I3G10(C) KW02750 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	459	
Antimony	0.11	U
Arsenic	0.89	B
Barium	13.9	
Beryllium	0.01	U
Cadmium	0.1	B
Chromium	2.8	
Cobalt	0.14	B
Copper	5.3	

PARAMETER	RESULT	QUAL
Cyanide	1.7	
Iron	657	
Lead	20.6	
Manganese	13.2	
Mercury	0.11	
Nickel	0.89	B
Selenium	0.16	U
Silver	0.27	U
Thallium	0.23	U
Vanadium	1.9	
Zinc	17.2	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	120	JDP
4,4'-DDE	1000	D
4,4'-DDT	630	D
Aldrin	95	U
alpha-BHC	95	U
alpha-chlordane	190	U
beta-BHC	190	U
delta-BHC	190	U
Dieldrin	190	U
Endosulfan I	190	U
Endosulfan II	380	U
Endosulfan sulfate	380	U
Endrin	190	U
Endrin ketone	380	U
gamma-BHC (lindane)	95	U
gamma-chlordane	190	U
Heptachlor	190	U
Heptachlor epoxide	190	U
Methoxychlor	1900	U
Toxaphene	3800	U
I3H10(C) KW02749 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	265	
Antimony	0.15	B
Arsenic	2.1	
Barium	11.4	
Beryllium	0.01	U
Cadmium	0.09	B
Chromium	3.2	
Cobalt	0.08	B
Copper	8	
Cyanide	0.32	B
Iron	319	
Lead	22.9	
Manganese	6.5	
Mercury	0.04	
Nickel	0.82	B
Selenium	0.17	U

PARAMETER	RESULT	QUAL
Silver	0.28	U
Thallium	0.24	U
Vanadium	1.7	
Zinc	18.3	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	380	U
4,4'-DDE	1700	ED
4,4'-DDT	260	JD
Aldrin	94	U
alpha-BHC	94	U
alpha-chlordane	190	U
beta-BHC	190	U
delta-BHC	190	U
Dieldrin	190	U
Endosulfan I	190	U
Endosulfan II	380	U
Endosulfan sulfate	380	U
Endrin	190	U
Endrin ketone	380	U
gamma-BHC (lindane)	94	U
gamma-chlordane	190	U
Heptachlor	190	U
Heptachlor epoxide	190	U
Methoxychlor	1900	U
Toxaphene	3800	U
I3H13(C) KW02752/53-AV BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	2460	
Antimony	4.4	
Arsenic	2.7	
Barium	37.6	
Beryllium	0.065	B
Cadmium	0.45	B
Chromium	7.65	
Cobalt	0.52	B
Copper	20.45	
Cyanide	1.375	
Iron	2240	
Lead	141.5	
Manganese	43.1	
Mercury	0.32	
Nickel	2.3	
Selenium	0.355	B
Silver	0.28	U
Thallium	0.24	U
Vanadium	6.5	
Zinc	437.5	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	400	U
4,4'-DDE	265	D

PARAMETER	RESULT	QUAL
4,4'-DDT	160	JD
Aldrin	99.5	U
alpha-BHC	99.5	U
alpha-chlordane	200	U
beta-BHC	200	U
delta-BHC	200	U
Dieldrin	200	U
Endosulfan I	200	U
Endosulfan II	400	U
Endosulfan sulfate	400	U
Endrin	200	U
Endrin ketone	400	U
gamma-BHC (lindane)	99.5	U
gamma-chlordane	200	U
Heptachlor	200	U
Heptachlor epoxide	200	U
Methoxychlor	2000	U
Toxaphene	4000	U
I3J11 KW02126 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	0.97	
Lead	51.9	
I3J11(C) KW02744 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	1030	
Antimony	0.19	B
Arsenic	1.5	
Barium	17	
Beryllium	0.01	B
Cadmium	0.2	B
Chromium	4.7	
Cobalt	0.29	B
Copper	13.3	
Cyanide	2.3	X
Iron	2040	
Lead	34.2	
Manganese	21.1	
Mercury	0.09	
Nickel	1.7	
Selenium	0.18	U
Silver	0.3	U
Thallium	0.25	U
Vanadium	4.1	
Zinc	53.8	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	180	JDP
4,4'-DDE	1300	D
4,4'-DDT	790	D
Aldrin	100	U
alpha-BHC	100	U

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PARAMETER	RESULT	QUAL
alpha-chlordane	200	U
beta-BHC	200	U
delta-BHC	200	U
Dieldrin	200	U
Endosulfan I	200	U
Endosulfan II	400	U
Endosulfan sulfate	400	U
Endrin	200	U
Endrin ketone	400	U
gamma-BHC (lindane)	100	U
gamma-chlordane	200	U
Heptachlor	200	U
Heptachlor epoxide	200	U
Methoxychlor	2000	U
Toxaphene	4000	U
I3J12(C) KW02745 BEI(C) 0 ft		
INORGANICS (mg/kg)		
Aluminum	1650	
Antimony	3.3	
Arsenic	2.8	
Barium	35.5	
Beryllium	0.04	B
Cadmium	0.37	B
Chromium	6.3	
Cobalt	0.56	B
Copper	18	
Cyanide	2.2	
Iron	2650	
Lead	197	
Manganese	54.7	
Mercury	2.4	D
Nickel	1.8	
Selenium	0.28	B
Silver	0.3	B
Thallium	0.24	U
Vanadium	4.9	
Zinc	165	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	730	PD
4,4'-DDE	1200	JD
4,4'-DDT	8200	D
Aldrin	100	U
alpha-BHC	100	U
alpha-chlordane	210	U
beta-BHC	210	U
delta-BHC	210	U
Dieldrin	210	U
Endosulfan I	210	U
Endosulfan II	410	U
Endosulfan sulfate	410	U

PARAMETER	RESULT	QUAL
Endrin	210	U
Endrin ketone	410	U
gamma-BHC (lindane)	100	U
gamma-chlordane	210	U
Heptachlor	210	U
Heptachlor epoxide	210	U
Methoxychlor	2100	U
Toxaphene	4100	U
I3J13 KW02124/25-AV BEI(D) 0 ft		
INORGANICS (mg/kg)		
Arsenic	2.2	
Lead	184	
I3SB-10 KW2603 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	836	E
Antimony	0.3	B
Arsenic	2.5	N
Barium	16.1	BE
Beryllium	0.1	B
Cadmium	0.16	B
Chromium	5	EN*
Cobalt	0.15	B
Copper	7.3	N*
Cyanide	0.58	U
Iron	632	E*
Lead	24	E*
Manganese	17.7	EN*
Mercury	0.08	
Nickel	0.84	B
Selenium	0.25	U
Silver	0.12	U
Thallium	0.29	UN
Tin	1.6	BEN*
Vanadium	2.6	B
Zinc	45.6	E
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	7.9	U
4,4'-DDE	130	E
4,4'-DDT	40	D
Aldrin	4	U
alpha-BHC	4	U
Aroclor-1016	40	U
Aroclor-1221	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	40	U
Aroclor-1260	40	U
beta-BHC	4	U
Chlordane	40	U

PARAMETER	RESULT	QUAL
delta-BHC	4	U
Dieldrin	7.9	U
Endosulfan I	4	U
Endosulfan II	7.9	U
Endosulfan sulfate	7.9	U
Endrin	7.9	U
Endrin aldehyde	7.9	U
Endrin ketone	7.9	U
gamma-BHC (lindane)	4	U
Heptachlor	4	U
Heptachlor epoxide	4	U
Methoxychlor	40	U
Toxaphene	400	U
I3SB-12 KW2601/02-AVG BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	2025	E
Antimony	0.4	B
Arsenic	1.45	N
Barium	23.6	E
Beryllium	0.135	B
Cadmium	0.315	B
Chromium	5.75	EN*
Cobalt	0.36	B
Copper	10.1	N*
Cyanide	0.585	U
Iron	1585	E*
Lead	131.5	E*
Manganese	40.95	EN*
Mercury	0.195	
Nickel	1.6	B
Selenium	0.745	
Silver	0.15	U
Thallium	0.35	UN
Tin	6.9	BEN*
Vanadium	5.9	
Zinc	65.25	E
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.65	U
4,4'-DDE	18	
4,4'-DDT	11.15	
Aldrin	1.8	U
alpha-BHC	1.8	U
Aroclor-1016	18	U
Aroclor-1221	18	U
Aroclor-1232	18	U
Aroclor-1242	18	U
Aroclor-1248	18	U
Aroclor-1254	18	U
Aroclor-1260	18	U
beta-BHC	1.8	U

PARAMETER	RESULT	QUAL
Chlordane	18	U
delta-BHC	1.8	U
Dieldrin	3.65	U
Endosulfan I	1.8	U
Endosulfan II	3.65	U
Endosulfan sulfate	3.65	U
Endrin	3.65	U
Endrin aldehyde	3.65	U
Endrin ketone	3.65	U
gamma-BHC (lindane)	1.8	U
Heptachlor	1.8	U
Heptachlor epoxide	1.8	U
Methoxychlor	18	U
Toxaphene	180	U
I3SB-13 KW2600 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	3370	E
Antimony	0.53	B
Arsenic	3.3	N
Barium	49.9	E
Beryllium	0.17	B
Cadmium	0.65	
Chromium	10.2	EN*
Cobalt	0.79	B
Copper	26.2	N*
Cyanide	0.69	U
Iron	3350	E*
Lead	250	E*
Manganese	99.4	EN*
Mercury	0.16	
Nickel	2.9	B
Selenium	0.89	
Silver	0.16	U
Thallium	0.38	UN
Tin	29.7	EN*
Vanadium	9.4	
Zinc	838	E
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	4.4	U
4,4'-DDE	63	
4,4'-DDT	99	D
Aldrin	2.2	U
alpha-BHC	2.2	U
Aroclor-1016	22	U
Aroclor-1221	22	U
Aroclor-1232	22	U
Aroclor-1242	22	U
Aroclor-1248	22	U
Aroclor-1254	22	U
Aroclor-1260	22	U

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PARAMETER	RESULT	QUAL
beta-BHC	2.2	U
Chlordane	22	U
delta-BHC	2.2	U
Dieldrin	4.4	U
Endosulfan I	2.2	U
Endosulfan II	4.4	U
Endosulfan sulfate	4.4	U
Endrin	4.4	U
Endrin aldehyde	4.4	U
Endrin ketone	4.4	U
gamma-BHC (lindane)	2.2	U
Heptachlor	2.2	U
Heptachlor epoxide	2.2	U
Methoxychlor	22	U
Toxaphene	220	U
I3SB-14(K15) KW2462	**BEI(D)**	**0 ft**
INORGANICS (mg/kg)		
Aluminum	1040	E
Antimony	1.5	B
Arsenic	3.7	N
Barium	69.3	E
Beryllium	0.12	B
Cadmium	0.72	
Chromium	9.8	EN*
Cobalt	0.63	B
Copper	31.1	N*
Cyanide	0.59	U
Iron	10700	E*
Lead	157	E*
Manganese	68.3	EN*
Mercury	0.43	
Nickel	2	B
Selenium	0.39	B
Silver	0.15	U
Thallium	0.35	UN
Tin	79.7	EN*
Vanadium	5.4	
Zinc	244	E
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.7	U
4,4'-DDE	3.7	U
4,4'-DDT	3.7	U
Aldrin	1.9	U
alpha-BHC	1.9	U
Aroclor-1016	19	U
Aroclor-1221	19	U
Aroclor-1232	19	U
Aroclor-1242	19	U
Aroclor-1248	19	U
Aroclor-1254	19	U

PARAMETER	RESULT	QUAL
Aroclor-1260	19	U
beta-BHC	1.9	U
Chlordane	19	U
delta-BHC	1.9	U
Dieldrin	3.7	U
Endosulfan I	1.9	U
Endosulfan II	3.7	U
Endosulfan sulfate	3.7	U
Endrin	3.7	U
Endrin aldehyde	3.7	U
Endrin ketone	3.7	U
gamma-BHC (lindane)	1.9	U
Heptachlor	1.9	U
Heptachlor epoxide	1.9	U
Methoxychlor	19	U
Toxaphene	190	U
I3SB-15(J15) KW2463	**BEI(D)**	**0 ft**
INORGANICS (mg/kg)		
Aluminum	795	E
Antimony	1.3	B
Arsenic	2.4	N
Barium	192	E
Beryllium	0.1	B
Cadmium	0.9	
Chromium	10.7	EN*
Cobalt	0.78	B
Copper	33.8	N*
Cyanide	0.57	U
Iron	3360	E*
Lead	366	E*
Manganese	59.6	EN*
Mercury	1.8	
Nickel	2.4	B
Selenium	0.53	
Silver	0.15	U
Thallium	0.35	UN
Tin	17.6	EN*
Vanadium	4.3	B
Zinc	960	E
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	7.2	U
4,4'-DDE	86	
4,4'-DDT	6.7	J
Aldrin	3.6	U
alpha-BHC	3.6	U
Aroclor-1016	36	U
Aroclor-1221	36	U
Aroclor-1232	36	U
Aroclor-1242	36	U
Aroclor-1248	36	U

PARAMETER	RESULT	QUAL
Aroclor-1254	36	U
Aroclor-1260	36	U
beta-BHC	3.6	U
Chlordane	36	U
delta-BHC	3.6	U
Dieldrin	7.2	U
Endosulfan I	3.6	U
Endosulfan II	7.2	U
Endosulfan sulfate	7.2	U
Endrin	7.2	U
Endrin aldehyde	7.2	U
Endrin ketone	7.2	U
gamma-BHC (lindane)	3.6	U
Heptachlor	3.6	U
Heptachlor epoxide	3.6	U
Methoxychlor	36	U
Toxaphene	360	U
I3SB-16(H15) KW2464	**BEI(D)**	**0 ft**
INORGANICS (mg/kg)		
Aluminum	1460	E
Antimony	1.1	B
Arsenic	2	N
Barium	179	E
Beryllium	0.12	B
Cadmium	0.78	
Chromium	14.3	EN*
Cobalt	0.59	B
Copper	35	N*
Cyanide	0.67	U
Iron	3970	E*
Lead	301	E*
Manganese	63	EN*
Mercury	1.1	
Nickel	2.1	B
Selenium	0.46	
Silver	0.26	B
Thallium	0.32	UN
Tin	30.1	EN*
Vanadium	4.6	
Zinc	708	E
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.7	U
4,4'-DDE	410	D
4,4'-DDT	120	D
Aldrin	1.9	U
alpha-BHC	1.9	U
Aroclor-1016	19	U
Aroclor-1221	19	U
Aroclor-1232	19	U
Aroclor-1242	19	U

PARAMETER	RESULT	QUAL
Aroclor-1248	19	U
Aroclor-1254	19	U
Aroclor-1260	19	U
beta-BHC	1.9	U
Chlordane	19	U
delta-BHC	1.9	U
Dieldrin	3.7	U
Endosulfan I	1.9	U
Endosulfan II	3.7	U
Endosulfan sulfate	3.7	U
Endrin	3.7	U
Endrin aldehyde	3.7	U
Endrin ketone	3.7	U
gamma-BHC (lindane)	1.9	U
Heptachlor	1.9	U
Heptachlor epoxide	1.9	U
Methoxychlor	29	
Toxaphene	190	U
I3SB-17(F15) KW2465	**BEI(D)**	**0 ft**
INORGANICS (mg/kg)		
Aluminum	1690	E
Antimony	3	B
Arsenic	4.5	N
Barium	409	E
Beryllium	0.15	B
Cadmium	1.9	
Chromium	14.8	EN*
Cobalt	2.1	B
Copper	53.8	N*
Cyanide	0.62	U
Iron	9040	E*
Lead	566	E*
Manganese	115	EN*
Mercury	4.1	
Nickel	6.7	
Selenium	0.58	
Silver	0.27	B
Thallium	0.32	UN
Tin	25.6	EN*
Vanadium	5.4	
Zinc	1280	E
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.6	U
4,4'-DDE	59	E
4,4'-DDT	20	D
Aldrin	1.8	U
alpha-BHC	1.8	U
Aroclor-1016	18	U
Aroclor-1221	18	U
Aroclor-1232	18	U

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PARAMETER	RESULT	QUAL
Aroclor-1242	18	U
Aroclor-1248	18	U
Aroclor-1254	18	U
Aroclor-1260	18	U
beta-BHC	1.8	U
Chlordane	18	U
delta-BHC	1.8	U
Dieldrin	3.6	U
Endosulfan I	1.8	U
Endosulfan II	3.6	U
Endosulfan sulfate	3.6	U
Endrin	3.6	U
Endrin aldehyde	4.8	
Endrin ketone	3.6	U
gamma-BHC (lindane)	1.8	U
Heptachlor	1.8	U
Heptachlor epoxide	1.8	U
Methoxychlor	18	U
Toxaphene	180	U
I3SB-18(D15) KW2466	**BEI(D)**	**0 ft**
INORGANICS (mg/kg)		
Aluminum	2780	E
Antimony	1.6	
Arsenic	3.9	N
Barium	381	E
Beryllium	0.14	B
Cadmium	1.1	
Chromium	15.1	EN*
Cobalt	1.3	B
Copper	46.7	N*
Cyanide	0.51	U
Iron	6610	E*
Lead	558	E*
Manganese	111	EN*
Mercury	1.4	
Nickel	4.8	
Selenium	0.88	
Silver	0.2	B
Thallium	0.32	UN
Tin	39.3	EN*
Vanadium	8	
Zinc	1130	E
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.8	U
4,4'-DDE	31	
4,4'-DDT	16	
Aldrin	1.9	U
alpha-BHC	1.9	U
Aroclor-1016	19	U
Aroclor-1221	19	U

PARAMETER	RESULT	QUAL
Aroclor-1232	19	U
Aroclor-1242	19	U
Aroclor-1248	19	U
Aroclor-1254	19	U
Aroclor-1260	19	U
beta-BHC	1.9	U
Chlordane	19	U
delta-BHC	1.9	U
Dieldrin	3.8	U
Endosulfan I	1.9	U
Endosulfan II	3.8	U
Endosulfan sulfate	3.8	U
Endrin	3.8	U
Endrin aldehyde	5.2	
Endrin ketone	3.8	U
gamma-BHC (lindane)	1.9	U
Heptachlor	1.9	U
Heptachlor epoxide	1.9	U
Methoxychlor	19	U
Toxaphene	190	U
I3SB-19(B15) KW2467	**BEI(D)**	**0 ft**
INORGANICS (mg/kg)		
Aluminum	1200	E
Antimony	1.2	B
Arsenic	2.9	N
Barium	146	E
Beryllium	0.11	B
Cadmium	0.66	
Chromium	6.9	EN*
Cobalt	0.74	B
Copper	25.3	N*
Cyanide	0.59	U
Iron	5970	E*
Lead	234	E*
Manganese	112	EN*
Mercury	0.73	
Nickel	2.3	B
Selenium	0.3	B
Silver	0.12	U
Thallium	0.28	UN
Tin	14.1	EN*
Vanadium	4	
Zinc	496	E
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.9	U
4,4'-DDE	11	
4,4'-DDT	13	
Aldrin	1.9	U
alpha-BHC	1.9	U
Aroclor-1016	19	U

PARAMETER	RESULT	QUAL
Aroclor-1221	19	U
Aroclor-1232	19	U
Aroclor-1242	19	U
Aroclor-1248	19	U
Aroclor-1254	19	U
Aroclor-1260	19	U
beta-BHC	1.9	U
Chlordane	19	U
delta-BHC	1.9	U
Dieldrin	3.9	U
Endosulfan I	1.9	U
Endosulfan II	3.9	U
Endosulfan sulfate	3.9	U
Endrin	3.9	U
Endrin aldehyde	3.9	U
Endrin ketone	3.9	U
gamma-BHC (lindane)	1.9	U
Heptachlor	1.9	U
Heptachlor epoxide	1.9	U
Methoxychlor	19	U
Toxaphene	190	U
I3SB-20(A15) KW2468	**BEI(D)**	**0 ft**
INORGANICS (mg/kg)		
Aluminum	1350	E
Antimony	1.2	B
Arsenic	1.9	N
Barium	164	E
Beryllium	0.12	B
Cadmium	0.81	
Chromium	10	EN*
Cobalt	0.77	B
Copper	28.2	N*
Cyanide	0.54	U
Iron	2600	E*
Lead	225	E*
Manganese	43.6	EN*
Mercury	0.5	
Nickel	20.5	
Selenium	0.47	B
Silver	0.16	U
Thallium	0.38	UN
Tin	14.4	EN*
Vanadium	4	B
Zinc	586	E
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	18	U
4,4'-DDE	190	
4,4'-DDT	56	
Aldrin	9.2	U
alpha-BHC	9.2	U

PARAMETER	RESULT	QUAL
Aroclor-1016	92	U
Aroclor-1221	92	U
Aroclor-1232	92	U
Aroclor-1242	92	U
Aroclor-1248	92	U
Aroclor-1254	92	U
Aroclor-1260	92	U
beta-BHC	9.2	U
Chlordane	92	U
delta-BHC	9.2	U
Dieldrin	18	U
Endosulfan I	9.2	U
Endosulfan II	18	U
Endosulfan sulfate	18	U
Endrin	18	U
Endrin aldehyde	18	U
Endrin ketone	18	U
gamma-BHC (lindane)	9.2	U
Heptachlor	9.2	U
Heptachlor epoxide	9.2	U
Methoxychlor	92	U
Toxaphene	920	U
I3SB-6 KW2607	**BEI(D)**	**0 ft**
INORGANICS (mg/kg)		
Aluminum	718	E
Antimony	0.55	B
Arsenic	0.89	BN
Barium	26.1	E
Beryllium	0.1	B
Cadmium	0.26	B
Chromium	3.3	EN*
Cobalt	0.18	B
Copper	8.7	N*
Cyanide	0.44	U
Iron	923	E*
Lead	72.7	E*
Manganese	19.4	EN*
Mercury	0.11	
Nickel	0.72	B
Selenium	0.44	B
Silver	0.14	U
Thallium	0.33	UN
Tin	7.3	BEN*
Vanadium	2	B
Zinc	104	E
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	18	U
4,4'-DDE	130	
4,4'-DDT	44	
Aldrin	9.2	U

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PARAMETER	RESULT	QUAL
alpha-BHC	9.2	U
Aroclor-1016	92	U
Aroclor-1221	92	U
Aroclor-1232	92	U
Aroclor-1242	92	U
Aroclor-1248	92	U
Aroclor-1254	92	U
Aroclor-1260	92	U
beta-BHC	9.2	U
Chlordane	92	U
delta-BHC	9.2	U
Dieldrin	18	U
Endosulfan I	9.2	U
Endosulfan II	18	U
Endosulfan sulfate	18	U
Endrin	18	U
Endrin aldehyde	18	U
Endrin ketone	18	U
gamma-BHC (lindane)	9.2	U
Heptachlor	9.2	U
Heptachlor epoxide	9.2	U
Methoxychlor	92	U
Toxaphene	920	U
I3SB-7 KW2608 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	693	E
Antimony	0.38	B
Arsenic	0.97	BN
Barium	20.1	E
Beryllium	0.1	B
Cadmium	0.16	B
Chromium	3.4	EN*
Cobalt	0.14	B
Copper	5.4	N*
Cyanide	0.53	U
Iron	954	E*
Lead	36.1	E*
Manganese	26.8	EN*
Mercury	1.5	
Nickel	0.67	B
Selenium	0.3	U
Silver	0.15	U
Thallium	0.35	UN
Tin	3.6	BEN*
Vanadium	2.4	B
Zinc	49.4	E
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	7.4	U
4,4'-DDE	97	
4,4'-DDT	22	

PARAMETER	RESULT	QUAL
Aldrin	3.7	U
alpha-BHC	3.7	U
Aroclor-1016	37	U
Aroclor-1221	37	U
Aroclor-1232	37	U
Aroclor-1242	37	U
Aroclor-1248	37	U
Aroclor-1254	37	U
Aroclor-1260	37	U
beta-BHC	3.7	U
Chlordane	37	U
delta-BHC	3.7	U
Dieldrin	7.4	U
Endosulfan I	3.7	U
Endosulfan II	7.4	U
Endosulfan sulfate	7.4	U
Endrin	7.4	U
Endrin aldehyde	7.4	U
Endrin ketone	7.4	U
gamma-BHC (lindane)	3.7	U
Heptachlor	3.7	U
Heptachlor epoxide	3.7	U
Methoxychlor	37	U
Toxaphene	370	U
I3SB-8 KW2606 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	736	E
Antimony	0.38	B
Arsenic	1.5	N
Barium	15	BE
Beryllium	0.09	B
Cadmium	0.14	B
Chromium	4	EN*
Cobalt	0.12	B
Copper	18.1	N*
Cyanide	0.64	U
Iron	629	E*
Lead	16.6	E*
Manganese	11.1	EN*
Mercury	0.12	
Nickel	0.95	B
Selenium	0.27	B
Silver	0.13	U
Thallium	0.31	UN
Tin	1.3	BEN*
Vanadium	2.9	B
Zinc	37	E
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	19	U
4,4'-DDE	140	

PARAMETER	RESULT	QUAL
4,4'-DDT	51	
Aldrin	9.4	U
alpha-BHC	9.4	U
Aroclor-1016	94	U
Aroclor-1221	94	U
Aroclor-1232	94	U
Aroclor-1242	94	U
Aroclor-1248	94	U
Aroclor-1254	94	U
Aroclor-1260	94	U
beta-BHC	9.4	U
Chlordane	94	U
delta-BHC	9.4	U
Dieldrin	19	U
Endosulfan I	9.4	U
Endosulfan II	19	U
Endosulfan sulfate	19	U
Endrin	19	U
Endrin aldehyde	19	U
Endrin ketone	19	U
gamma-BHC (lindane)	9.4	U
Heptachlor	9.4	U
Heptachlor epoxide	9.4	U
Methoxychlor	94	U
Toxaphene	940	U
I3SB-9 KW2604 BEI(D) 0 ft		
INORGANICS (mg/kg)		
Aluminum	687	E
Antimony	0.33	B
Arsenic	2.9	N
Barium	16.2	BE
Beryllium	0.1	B
Cadmium	0.31	B
Chromium	5.3	EN*
Cobalt	0.55	B
Copper	11.5	N*
Cyanide	0.49	U
Iron	694	E*
Lead	56.4	E*
Manganese	14.4	EN*
Mercury	0.05	B
Nickel	1.1	B
Selenium	0.32	U
Silver	0.16	U
Thallium	0.37	UN
Tin	1.8	BEN*
Vanadium	4.1	B
Zinc	170	E
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	76	U

PARAMETER	RESULT	QUAL
4,4'-DDE	980	
4,4'-DDT	340	
Aldrin	38	U
alpha-BHC	38	U
Aroclor-1016	380	U
Aroclor-1221	380	U
Aroclor-1232	380	U
Aroclor-1242	380	U
Aroclor-1248	380	U
Aroclor-1254	380	U
Aroclor-1260	380	U
beta-BHC	38	U
Chlordane	380	U
delta-BHC	38	U
Dieldrin	76	U
Endosulfan I	38	U
Endosulfan II	76	U
Endosulfan sulfate	76	U
Endrin	76	U
Endrin aldehyde	76	U
Endrin ketone	76	U
gamma-BHC (lindane)	38	U
Heptachlor	38	U
Heptachlor epoxide	38	U
Methoxychlor	380	U
Toxaphene	3800	U
I3SB-1 I3SB-1 B&RE 0 ft		
INORGANICS (mg/kg)		
Aluminum	482	
Antimony	0.51	U
Arsenic	0.66	
Barium	12.8	
Beryllium	0.03	U
Cadmium	0.07	U
Chromium	3.3	
Cobalt	0.25	U
Copper	9.6	
Iron	438	
Lead	27.3	
Manganese	10.4	
Mercury	0.08	
Nickel	1.3	
Selenium	0.51	U
Silver	0.25	U
Thallium	0.51	U
Vanadium	4.2	
Zinc	21.3	
PESTICIDES/PCBs (µg/kg)		
2,4,5-T	25.1	U
2,4,5-TP (silvex)	25.1	U

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PARAMETER	RESULT	QUAL
2,4-D	25.1	U
4,4'-DDD	8.3	UJ
4,4'-DDE	20.3	J
4,4'-DDT	12.8	J
Aldrin	4.2	UJ
alpha-BHC	4.2	UJ
Aroclor-1016	26	UJ
Aroclor-1221	26	UJ
Aroclor-1232	26	UJ
Aroclor-1248	26	UJ
Aroclor-1254	26	UJ
Aroclor-1260	26	UJ
beta-BHC	4.2	UJ
Chlordane	52	UJ
delta-BHC	4.2	UJ
Dieldrin	8.3	UJ
Endosulfan I	4.2	UJ
Endosulfan II	8.3	UJ
Endosulfan sulfate	8.3	UJ
Endrin	8.3	UJ
Endrin aldehyde	8.3	UJ
gamma-BHC (lindane)	4.2	UJ
Heptachlor	4.2	UJ
Heptachlor epoxide	4.2	UJ
Methoxychlor	41.6	UJ
Methyl parathion	10.4	UJ
Parathion	10.4	UJ
Phorate	10.4	UJ
Toxaphene	208	UJ
I3SB-2 I3SB-2 B&RE 0 ft		
INORGANICS (mg/kg)		
Aluminum	2250	
Antimony	0.53	U
Arsenic	2.6	
Barium	73.3	
Beryllium	0.03	U
Cadmium	0.33	U
Chromium	7.8	
Cobalt	0.41	
Copper	22.9	
Iron	2890	
Lead	121	
Manganese	58.1	
Mercury	0.72	
Nickel	2.2	
Selenium	0.53	U
Silver	0.27	U
Thallium	0.53	U
Vanadium	4	
Zinc	162	

PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
2,4,5-T	2.6	UJ
2,4,5-TP (silvex)	2.6	UJ
2,4-D	2.6	UJ
4,4'-DDD	34.9	UJ
4,4'-DDE	83	J
4,4'-DDT	52.1	J
Aldrin	17.4	UJ
alpha-BHC	17.4	UJ
Aroclor-1016	109	UJ
Aroclor-1221	109	UJ
Aroclor-1232	109	UJ
Aroclor-1242	109	UJ
Aroclor-1248	109	UJ
Aroclor-1254	109	UJ
Aroclor-1260	109	UJ
beta-BHC	17.4	UJ
Chlordane	218	UJ
delta-BHC	17.4	UJ
Dieldrin	34.9	UJ
Endosulfan I	17.4	UJ
Endosulfan II	34.9	UJ
Endosulfan sulfate	34.9	UJ
Endrin	34.9	UJ
Endrin aldehyde	34.9	UJ
gamma-BHC (lindane)	17.4	UJ
Heptachlor	17.4	UJ
Heptachlor epoxide	17.4	UJ
Methoxychlor	174	UJ
Methyl parathion	43.6	UJ
Parathion	43.6	UJ
Phorate	43.6	UJ
Toxaphene	872	UJ
IR 7		
I7SB-1 AS1362 IT(1994) 0 ft		
INORGANICS (mg/kg)		
Aluminum	547	
Antimony	4.8	B
Arsenic	1.6	
Barium	5.6	B
Beryllium	0.11	U
Cadmium	0.57	U
Chromium	8.6	
Cobalt	2.3	U
Copper	24	
Cyanide	12	U
Iron	2560	
Lead	73.5	
Manganese	23.8	
Mercury	0.31	

PARAMETER	RESULT	QUAL
Nickel	3.6	B
Selenium	0.46	U
Silver	0.57	U
Thallium	0.23	U
Vanadium	2.9	B
Zinc	90.3	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4-trichlorobenzene	2400	U
1,2-dichlorobenzene	2400	U
1,3-dichlorobenzene	2400	U
1,4-dichlorobenzene	2400	U
2,4,5-trichlorophenol	12000	U
2,4,6-trichlorophenol	2400	U
2,4-dichlorophenol	2400	U
2,4-dimethylphenol	2400	U
2,4-dinitrophenol	12000	U
2,4-dinitrotoluene	2400	U
2,6-dinitrotoluene	2400	U
2-chloronaphthalene	2400	U
2-chlorophenol	2400	U
2-methyl-4,6-dinitrophenol	12000	U
2-methylnaphthalene	2400	U
2-methylphenol	2400	U
2-nitroaniline	12000	U
2-nitrophenol	2400	U
3,3'-dichlorobenzidine	4800	U
3-nitroaniline	12000	U
4-bromophenyl phenyl ether	2400	U
4-chloro-3-methylphenol	2400	U
4-chloroaniline	2400	U
4-chlorophenyl phenyl ether	2400	U
4-methylphenol	2400	U
4-nitroaniline	12000	U
4-nitrophenol	12000	U
Acenaphthene	2400	U
Acenaphthylene	2400	U
Anthracene	2400	U
Benzo(a)anthracene	2400	U
Benzo(a)pyrene	2400	U
Benzo(b)fluoranthene	2400	U
Benzo(g,h,i)perylene	2400	U
Benzo(k)fluoranthene	2400	U
Benzoic acid	12000	U
Benzyl alcohol	2400	U
Bis(2-chloroethoxy)methane	2400	U
Bis(2-chloroethyl)ether	2400	U
Bis(2-ethylhexyl)phthalate	2400	U
Butyl benzyl phthalate	2400	U
Chrysene	2400	U
Di-n-butyl phthalate	2400	U

PARAMETER	RESULT	QUAL
Di-n-octyl phthalate	2400	U
Dibenzo(a,h)anthracene	2400	U
Dibenzofuran	2400	U
Diethyl phthalate	2400	U
Dimethyl phthalate	2400	U
Fluoranthene	2400	U
Fluorene	2400	U
Hexachlorobenzene	2400	U
Hexachlorobutadiene	2400	U
Hexachlorocyclopentadiene	2400	U
Hexachloroethane	2400	U
Indeno(1,2,3-cd)pyrene	2400	U
Isophorone	2400	U
N-nitroso-di-n-propylamine	2400	U
N-nitrosodiphenylamine	2400	U
Naphthalene	2400	U
Nitrobenzene	2400	U
Pentachlorophenol	12000	U
Phenanthrene	2400	U
Phenol	2400	U
Pyrene	2400	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1-trichloroethane	6	U
1,1,2,2-tetrachloroethane	6	U
1,1,2-trichloroethane	6	U
1,1-dichloroethane	6	U
1,1-dichloroethene	6	U
1,2-dichloroethane	6	U
1,2-dichloroethene	3	J
1,2-dichloropropane	6	U
2-butanone	12	U
2-hexanone	12	U
4-methyl-2-pentanone	0.3	J
Acetone	15	
Benzene	6	U
Bis(2-chloroisopropyl)ether	2400	U
Bromodichloromethane	6	U
Bromoform	6	U
Bromomethane	12	U
Carbon disulfide	6	U
Carbon tetrachloride	6	U
Chlorobenzene	6	U
Chloroethane	12	U
Chloroform	6	U
Chloromethane	12	U
Cis-1,3-dichloropropene	6	U
Dibromochloromethane	6	U
Ethylbenzene	6	U
Methylene chloride	69	B
Styrene	6	U

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PARAMETER	RESULT	QUAL
Tetrachloroethene	6	U
Toluene	1	J
Trans-1,3-dichloropropene	6	U
Trichloroethene	6	U
Vinyl acetate	0.4	J
Vinyl chloride	12	U
Xylenes, total	6	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	160	
4,4'-DDE	96	U
4,4'-DDT	1900	D
Aldrin	48	U
alpha-BHC	48	U
alpha-chlordane	480	U
Aroclor-1016	480	U
Aroclor-1221	480	U
Aroclor-1232	480	U
Aroclor-1242	480	U
Aroclor-1248	480	U
Aroclor-1254	960	U
Aroclor-1260	960	U
beta-BHC	59	DJ
delta-BHC	48	U
Dieldrin	96	U
Endosulfan I	48	U
Endosulfan II	96	U
Endosulfan sulfate	96	U
Endrin	96	U
Endrin ketone	96	U
gamma-BHC (lindane)	48	U
gamma-chlordane	480	U
Heptachlor	48	U
Heptachlor epoxide	48	U
Methoxychlor	480	U
Toxaphene	960	U
I7SB-3 AS1358 IT(1994) 0 ft		
INORGANICS (mg/kg)		
Aluminum	599	
Arsenic	1.4	
Barium	5.6	B
Chromium	4.5	
Copper	9.3	
Lead	18.7	
Manganese	16.1	
Nickel	3.1	B
Vanadium	1.9	B
Zinc	21.7	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
Bis(2-ethylhexyl)phthalate	290	J
VOLATILE ORGANIC COMPOUNDS (µg/kg)		

PARAMETER	RESULT	QUAL
1,2-dichloroethene	3	J
Methylene chloride	17	B
PESTICIDES/PCBs (µg/kg)		
4,4'-DDE	40	
4,4'-DDT	35	
IR 8		
I8SB-3 AS1552 IT(1994) 0 ft		
INORGANICS (mg/kg)		
Aluminum	228	
Antimony	3.3	U
Arsenic	0.84	B
Barium	5.9	B
Beryllium	0.11	U
Cadmium	0.54	U
Chromium	4.5	
Cobalt	2.2	U
Copper	3.7	
Cyanide	10	U
Iron	391	
Lead	26.9	
Manganese	5.7	
Mercury	0.04	
Nickel	2.2	U
Selenium	1.1	U
Silver	0.54	U
Thallium	0.22	U
Vanadium	1.2	B
Zinc	13.7	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4-trichlorobenzene	1800	U
1,2-dichlorobenzene	1800	U
1,3-dichlorobenzene	1800	U
1,4-dichlorobenzene	1800	U
2,4,5-trichlorophenol	8900	U
2,4,6-trichlorophenol	1800	U
2,4-dichlorophenol	1800	U
2,4-dimethylphenol	1800	U
2,4-dinitrophenol	8900	U
2,4-dinitrotoluene	1800	U
2,6-dinitrotoluene	1800	U
2-chloronaphthalene	1800	U
2-chlorophenol	1800	U
2-methyl-4,6-dinitrophenol	8900	U
2-methylnaphthalene	1800	U
2-methylphenol	1800	U
2-nitroaniline	8900	U
2-nitrophenol	1800	U
3,3'-dichlorobenzidine	3700	U
3-nitroaniline	8900	U
4-bromophenyl phenyl ether	1800	U

PARAMETER	RESULT	QUAL
4-chloro-3-methylphenol	1800	U
4-chloroaniline	1800	U
4-chlorophenyl phenyl ether	1800	U
4-methylphenol	1800	U
4-nitroaniline	8900	U
4-nitrophenol	8900	U
Acenaphthene	1800	U
Acenaphthylene	1800	U
Anthracene	1800	U
Benzo(a)anthracene	1800	U
Benzo(a)pyrene	1800	U
Benzo(b)fluoranthene	1800	U
Benzo(g,h,i)perylene	1800	U
Benzo(k)fluoranthene	1800	U
Benzoic acid	8900	U
Benzyl alcohol	1800	U
Bis(2-chloroethoxy)methane	1800	U
Bis(2-chloroethyl)ether	1800	U
Bis(2-ethylhexyl)phthalate	1800	U
Butyl benzyl phthalate	1800	U
Chrysene	1800	U
Di-n-butyl phthalate	1800	U
Di-n-octyl phthalate	1800	U
Dibenzo(a,h)anthracene	1800	U
Dibenzofuran	1800	U
Diethyl phthalate	1800	U
Dimethyl phthalate	1800	U
Fluoranthene	1800	U
Fluorene	1800	U
Hexachlorobenzene	1800	U
Hexachlorobutadiene	1800	U
Hexachlorocyclopentadiene	1800	U
Hexachloroethane	1800	U
Indeno(1,2,3-cd)pyrene	1800	U
Isophorone	1800	U
N-nitroso-di-n-propylamine	1800	U
N-nitrosodiphenylamine	1800	U
Naphthalene	1800	U
Nitrobenzene	1800	U
Pentachlorophenol	8900	U
Phenanthrene	1800	U
Phenol	1800	U
Pyrene	1800	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
Bis(2-chloroisopropyl)ether	1800	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	18	U
4,4'-DDE	18	U
4,4'-DDT	18	U
Aldrin	8.9	U

PARAMETER	RESULT	QUAL
alpha-BHC	8.9	U
alpha-chlordane	89	U
Aroclor-1016	89	U
Aroclor-1221	89	U
Aroclor-1232	89	U
Aroclor-1242	89	U
Aroclor-1248	89	U
Aroclor-1254	180	U
Aroclor-1260	180	U
beta-BHC	8.9	U
delta-BHC	8.9	U
Dieldrin	18	U
Endosulfan I	8.9	U
Endosulfan II	18	U
Endosulfan sulfate	18	U
Endrin	18	U
Endrin ketone	18	U
gamma-BHC (lindane)	8.9	U
gamma-chlordane	89	U
Heptachlor	8.9	U
Heptachlor epoxide	8.9	U
Methoxychlor	89	U
Toxaphene	180	U
I8SB-3 AS1576 IT(1994) 0 ft		
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1-trichloroethane	6	U
1,1,2,2-tetrachloroethane	6	U
1,1,2-trichloroethane	6	U
1,1-dichloroethane	6	U
1,1-dichloroethene	6	U
1,2-dichloroethane	6	U
1,2-dichloroethene	6	U
1,2-dichloropropane	6	U
2-butanone	11	U
2-hexanone	11	U
4-methyl-2-pentanone	11	U
Acetone	11	U
Benzene	6	U
Bromodichloromethane	6	U
Bromoform	6	U
Bromomethane	11	U
Carbon disulfide	6	U
Carbon tetrachloride	6	U
Chlorobenzene	6	U
Chloroethane	11	U
Chloroform	6	U
Chloromethane	11	U
Cis-1,3-dichloropropene	6	U
Dibromochloromethane	6	U
Ethylbenzene	6	U

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PARAMETER	RESULT	QUAL
Methylene chloride	6	B
Styrene	6	U
Tetrachloroethene	6	U
Toluene	6	U
Trans-1,3-dichloropropene	6	U
Trichloroethene	6	U
Vinyl acetate	11	U
Vinyl chloride	11	U
Xylenes, total	6	U
I8SB-4 I8SB-4	**B&RE**	**0 ft**
PESTICIDES/PCBs (µg/kg)		
2,4,5-T	11.6	U
2,4,5-TP (silvex)	11.6	U
2,4-D	11.6	U
4,4'-DDD	1.5	U
4,4'-DDE	0.98	J
4,4'-DDT	2.5	J
Aldrin	0.77	U
alpha-BHC	0.77	U
Aroclor-1016	4.8	U
Aroclor-1221	4.8	U
Aroclor-1232	4.8	U
Aroclor-1242	4.8	U
Aroclor-1248	4.8	U
Aroclor-1254	4.8	U
Aroclor-1260	15.6	
beta-BHC	0.77	U
Chlordane	9.7	U
delta-BHC	0.77	U
Dieldrin	1.5	U
Endosulfan I	0.77	U
Endosulfan II	1.5	U
Endosulfan sulfate	1.5	U
Endrin	1.5	U
Endrin aldehyde	1.5	U
gamma-BHC (lindane)	0.77	U
Heptachlor	0.77	U
Heptachlor epoxide	0.77	U
Methoxychlor	7.7	U
Methyl parathion	1.9	U
Parathion	1.9	U
Phorate	1.9	U
Toxaphene	38.7	U
I8SB-5 I8SB-5	**B&RE**	**0 ft**
PESTICIDES/PCBs (µg/kg)		
2,4,5-T	12.8	U
2,4,5-TP (silvex)	12.8	U
2,4-D	12.8	U
4,4'-DDD	1.7	U
4,4'-DDE	2.8	

PARAMETER	RESULT	QUAL
4,4'-DDT	2.8	
Aldrin	0.84	U
alpha-BHC	0.84	U
Aroclor-1016	5.3	U
Aroclor-1221	5.3	U
Aroclor-1232	5.3	U
Aroclor-1242	5.3	U
Aroclor-1248	5.3	U
Aroclor-1254	5.3	U
Aroclor-1260	5.3	U
beta-BHC	0.84	U
Chlordane	10.6	U
delta-BHC	0.84	U
Dieldrin	1.7	U
Endosulfan I	0.84	U
Endosulfan II	1.7	U
Endosulfan sulfate	1.7	U
Endrin	1.7	U
Endrin aldehyde	1.7	U
gamma-BHC (lindane)	0.84	U
Heptachlor	0.84	U
Heptachlor epoxide	0.84	U
Methoxychlor	8.4	U
Methyl parathion	2.1	U
Parathion	2.1	U
Phorate	2.1	U
Toxaphene	42.3	U
I8SB-6 I8SB-6	**B&RE**	**0 ft**
PESTICIDES/PCBs (µg/kg)		
2,4,5-T	11.6	U
2,4,5-TP (silvex)	11.6	U
2,4-D	11.6	U
4,4'-DDD	61.5	
4,4'-DDE	51.8	
4,4'-DDT	120	
Aldrin	7.7	U
alpha-BHC	7.7	U
Aroclor-1016	48.1	U
Aroclor-1221	48.1	U
Aroclor-1232	48.1	U
Aroclor-1242	48.1	U
Aroclor-1248	48.1	U
Aroclor-1254	48.1	U
Aroclor-1260	48.1	U
beta-BHC	7.7	U
Chlordane	96.3	U
delta-BHC	7.7	U
Dieldrin	15.4	U
Endosulfan I	7.7	U
Endosulfan II	15.4	U

PARAMETER	RESULT	QUAL
Endosulfan sulfate	15.4	U
Endrin	15.4	U
Endrin aldehyde	15.4	U
gamma-BHC (lindane)	7.7	U
Heptachlor	7.7	U
Heptachlor epoxide	7.7	U
Methoxychlor	76.9	U
Methyl parathion	19.2	U
Parathion	19.2	U
Phorate	19.2	U
Toxaphene	385	U
I8SB-7 I8SB-7	**B&RE**	**0 ft**
PESTICIDES/PCBs (µg/kg)		
2,4,5-T	11.7	U
2,4,5-TP (silvex)	11.7	U
2,4-D	11.7	U
4,4'-DDD	5.7	J
4,4'-DDE	7.7	U
4,4'-DDT	14.2	
Aldrin	3.9	U
alpha-BHC	3.9	U
Aroclor-1016	24.2	U
Aroclor-1221	24.2	U
Aroclor-1232	24.2	U
Aroclor-1242	24.2	U
Aroclor-1248	24.2	U
Aroclor-1254	24.2	U
Aroclor-1260	85	
beta-BHC	3.9	U
Chlordane	48.4	U
delta-BHC	3.9	U
Dieldrin	7.7	U
Endosulfan I	3.9	U
Endosulfan II	7.7	U
Endosulfan sulfate	7.7	U
Endrin	7.7	U
Endrin aldehyde	7.7	U
gamma-BHC (lindane)	3.9	U
Heptachlor	3.9	U
Heptachlor epoxide	3.9	U
Methoxychlor	38.7	U
Methyl parathion	9.7	U
Parathion	9.7	U
Phorate	9.7	U
Toxaphene	193	U
SWMU 4		
S4SB-10(IT) AS1397	**IT(1994)**	**0 ft**
INORGANICS (mg/kg)		
Antimony	3.6	B
Arsenic	0.22	U

PARAMETER	RESULT	QUAL
Barium	4.9	B
Beryllium	0.14	B
Cadmium	0.54	U
Chromium	5.5	
Cobalt	2.2	U
Copper	9.4	
Lead	8.7	
Mercury	0.16	
Nickel	2.2	U
Selenium	1.1	U
Silver	0.54	U
Thallium	0.22	U
Tin	3.2	U
Vanadium	1.1	U
Zinc	24.5	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.7	U
1,3-dichlorobenzene	3.6	U
1,4-dichlorobenzene	2.7	U
Acenaphthene	11	U
Acenaphthylene	11	U
Anthracene	8.8	U
Benzo(a)anthracene	8.8	U
Benzo(a)pyrene	13	U*
Benzo(b)fluoranthene	8.8	U
Benzo(g,h,i)perylene	8.8	U
Benzo(k)fluoranthene	8.8	U
Chrysene	8.8	U
Dibenzo(a,h)anthracene	8.8	U
Fluoranthene	8.8	U
Fluorene	8.8	U
Indeno(1,2,3-cd)pyrene	8.8	U
Naphthalene	11	U
Phenanthrene	8.8	U
Pyrene	8.8	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.4	U
1,2,3-trichloropropane	1.1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1.1	U
2-chloroethyl vinyl ether	1.4	U
Benzene	2.2	U
Bis(2-chloroisopropyl)ether	22	U
Bromobenzene	2.2	U

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PARAMETER	RESULT	QUAL
Bromodichloromethane	1.1	U
Bromoform	2.2	U
Bromomethane	1.3	U
Carbon tetrachloride	1.3	U
Chlorobenzene	2.2	U
Chloroethane	5.8	U
Chloroform	0.6	U
Chloromethane	0.9	U
Chlorotoluene	1.1	U
Cis-1,2-dichloroethene	1.1	U
Cis-1,3-dichloropropene	3.8	U
Dibromochloromethane	1	U
Dibromomethane	2.2	U
Dichlorodifluoromethane	2	U
Ethylbenzene	2.2	U
Methylene chloride	17	U
Tetrachloroethene	0.3	U
Toluene	2.2	U
Trans-1,2-dichloroethene	1.1	U
Trans-1,3-dichloropropene	3.8	U
Trichloroethene	1.3	U
Trichlorofluoromethane	2.2	U
Vinyl chloride	2	U
Xylenes, total	1.1	U
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
S4SB-11(IT) AS1398	**IT(1994)**	**0 ft**
INORGANICS (mg/kg)		
Antimony	3.2	U
Arsenic	0.24	B
Barium	7.8	B
Beryllium	0.11	U
Cadmium	1.4	
Chromium	6.2	
Cobalt	2.1	U
Copper	22.8	
Cyanide	21	
Lead	17.2	
Mercury	0.13	
Nickel	2.1	U
Selenium	1.1	U
Silver	1.1	
Thallium	0.21	U
Tin	11.2	B
Vanadium	1.1	U

PARAMETER	RESULT	QUAL
Zinc	36.6	
MISCELLANEOUS (mg/kg)		
Sulfide	340	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	1900	U
1,2,4-trichlorobenzene	1900	U
1,2-dichlorobenzene	1900	U
1,3,5-trinitrobenzene	1900	U
1,3-dichlorobenzene	1900	U
1,3-dinitrobenzene	1900	U
1,4-dichlorobenzene	1900	U
1,4-dioxane	1100	U
1,4-naphthoquinone	1900	U
1-naphthylamine	23000	U
2,3,4,6-tetrachlorophenol	1900	U
2,4,5-trichlorophenol	9100	U
2,4,6-trichlorophenol	1900	U
2,4-dichlorophenol	1900	U
2,4-dimethylphenol	1900	U
2,4-dinitrophenol	9100	U
2,4-dinitrotoluene	1900	U
2,6-dinitrotoluene	1900	U
2-acetylaminofluorene	1900	U
2-chloronaphthalene	1900	U
2-chlorophenol	1900	U
2-methyl-4,6-dinitrophenol	9100	U
2-methylnaphthalene	1900	U
2-methylphenol	1900	U
2-naphthylamine	32000	U
2-nitroaniline	9100	U
2-nitrophenol	1900	U
2-picoline	13000	U
3,3'-dichlorobenzidine	3800	U
3,3'-dimethylbenzidine	15000	U
3-methylcholanthrene	5700	U
3-methylphenol	1900	U
3-nitroaniline	9100	U
4-aminobiphenyl	9500	U
4-bromophenyl phenyl ether	1900	U
4-chloro-3-methylphenol	1900	U
4-chloroaniline	1900	U
4-chlorophenyl phenyl ether	1900	U
4-methylphenol	1900	U
4-nitroaniline	9100	U
4-nitrophenol	9100	U
4-nitroquinoline-1-oxide	1900	U
5-nitro-o-toluidine	3800	U
7,12-dimethylbenz(a)anthracene	3800	U
a,a-dimethylphenethylamine	1900	U
Acenaphthene	1900	U

PARAMETER	RESULT	QUAL
Acenaphthylene	1900	U
Acetophenone	1900	U
Aniline	1900	U
Anthracene	1900	U
Aramite	1900	U
Benzo(a)anthracene	1900	U
Benzo(a)pyrene	1900	U
Benzo(b)fluoranthene	1900	U
Benzo(g,h,i)perylene	1900	U
Benzo(k)fluoranthene	1900	U
Benzoic acid	9100	U
Benzyl alcohol	1900	U
Bis(2-chloroethoxy)methane	1900	U
Bis(2-chloroethyl)ether	1900	U
Bis(2-ethylhexyl)phthalate	220	J
Butyl benzyl phthalate	1900	U
Chrysene	1900	U
Di-n-butyl phthalate	1900	U
Di-n-octyl phthalate	1900	U
Diallate	1900	U
Dibenzo(a,h)anthracene	1900	U
Dibenzofuran	1900	U
Diethyl phthalate	1900	U
Dimethyl phthalate	1900	U
Diphenylamine	1900	U
Ethyl methacrylate	3800	U
Ethyl methanesulfonate	1900	U
Fluoranthene	1900	U
Fluorene	1900	U
Hexachlorobenzene	1900	U
Hexachlorobutadiene	1900	U
Hexachlorocyclopentadiene	1900	U
Hexachloroethane	1900	U
Hexachlorophene	9700	U
Hexachloropropene	3800	U
Indeno(1,2,3-cd)pyrene	1900	U
Isophorone	1900	U
Isosafrole	1900	U
Methapyrilene	7600	U
Methyl methanesulfonate	1900	U
N-nitroso-di-n-butylamine	3800	U
N-nitroso-di-n-propylamine	1900	U
N-nitrosodiethylamine	1900	U
N-nitrosodimethylamine	1900	U
N-nitrosodiphenylamine	1900	U
N-nitrosomethylethylamine	1900	U
N-nitrosopiperidine	1900	U
N-nitrosopyrrolidine	1900	U
Naphthalene	1900	U
Nitrobenzene	1900	U

PARAMETER	RESULT	QUAL
o,o,o-triethylphosphorothioate	1900	U
o-toluidine	1900	U
p-dimethylaminoazobenzene	5700	U
p-phenylenediamine	9500	U
Pentachlorobenzene	3800	U
Pentachloroethane	3800	U
Pentachloronitrobenzene	3800	U
Pentachlorophenol	9100	U
Phenacetin	1900	U
Phenanthrene	1900	U
Phenol	1900	U
Pronamide	5700	U
Pyrene	1900	U
Pyridine	1900	U
Safrole	1900	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	6	U
1,1,1-trichloroethane	6	U
1,1,2,2-tetrachloroethane	6	U
1,1,2-trichloroethane	6	U
1,1-dichloroethane	6	U
1,1-dichloroethene	6	U
1,2,3-trichloropropane	6	U
1,2-dibromo-3-chloropropane	6	U
1,2-dibromoethane	6	U
1,2-dichloroethane	6	U
1,2-dichloroethene	6	U
1,2-dichloropropane	6	U
2-butanone	11	U
2-chloro-1,3-butadiene	2	J
2-hexanone	11	U
3-chloropropene	6	U
4-methyl-2-pentanone	11	U
Acetone	5	J
Acetonitrile	110	U
Acrolein	11	U
Acrylonitrile	11	U
Benzene	6	U
Bis(2-chloroisopropyl)ether	1900	U
Bromodichloromethane	6	U
Bromoform	6	U
Bromomethane	11	U
Carbon disulfide	6	U
Carbon tetrachloride	3	J
Chlorobenzene	6	U
Chloroethane	11	U
Chloroform	6	U
Chloromethane	11	U
Cis-1,2-dichloroethene	19	
Cis-1,3-dichloropropene	6	U

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PARAMETER	RESULT	QUAL
Dibromochloromethane	6	U
Dibromomethane	6	U
Dichlorodifluoromethane	23	U
Ethyl cyanide	110	U
Ethylbenzene	6	U
Iodomethane	6	U
Methacrylonitrile	11	U
Methyl methacrylate	11	U
Methylene chloride	12	B
Styrene	6	U
Tetrachloroethene	6	U
Toluene	6	U
Trans-1,3-dichloropropene	6	U
Trans-1,4-dichloro-2-butene	23	U
Trichloroethene	6	U
Trichlorofluoromethane	6	U
Vinyl acetate	11	U
Vinyl chloride	11	U
Xylenes, total	6	U
PESTICIDES/PCBs (µg/kg)		
2,4,5-T	110	U
2,4,5-TP (silvex)	110	U
2,4-D	110	U
4,4'-DDD	18	U
4,4'-DDE	22	
4,4'-DDT	18	U
Aldrin	9	U
alpha-BHC	9	U
alpha-chlordane	90	U
Aroclor-1016	90	U
Aroclor-1221	90	U
Aroclor-1232	90	U
Aroclor-1242	90	U
Aroclor-1248	90	U
Aroclor-1254	180	U
Aroclor-1260	180	U
beta-BHC	9	U
Chlorobenzilate	90	U
delta-BHC	9	U
Dieldrin	18	U
Dimethoate	37	U
Dinoseb	3800	U
Disulfoton	37	U
Endosulfan I	9	U
Endosulfan II	18	U
Endosulfan sulfate	18	U
Endrin	18	U
Endrin ketone	18	U
Famphur	37	U
gamma-BHC (lindane)	9	U

PARAMETER	RESULT	QUAL
gamma-chlordane	90	U
Heptachlor	9	U
Heptachlor epoxide	9	U
Isodrin	9	U
Kepone	18	U
Methoxychlor	90	U
Methyl parathion	37	U
Parathion	37	U
Phorate	74	U
Sulfotep	1900	U
Thionazin	37	U
Toxaphene	180	U
S4SB-17(IT) AS1405	**IT(1994)**	**0 ft**
INORGANICS (mg/kg)		
Antimony	3.1	U
Arsenic	0.21	U
Barium	9.5	B
Beryllium	0.15	B
Cadmium	1.6	
Chromium	14.4	
Cobalt	2.1	U
Copper	14.9	
Lead	34.7	
Mercury	0.09	
Nickel	2.1	U
Selenium	0.41	U
Silver	1.3	
Thallium	0.21	U
Tin	3.1	U
Vanadium	1	U
Zinc	66.3	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.3	U
1,4-dichlorobenzene	2.5	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	8.2	U
Benzo(a)anthracene	8.2	U
Benzo(a)pyrene	8.2	U
Benzo(b)fluoranthene	8.2	U
Benzo(g,h,i)perylene	8.2	U
Benzo(k)fluoranthene	8.2	U
Chrysene	8.2	U
Dibenzo(a,h)anthracene	8.2	U
Fluoranthene	8.2	U
Fluorene	8.2	U
Indeno(1,2,3-cd)pyrene	8.2	U
Naphthalene	10	U
Phenanthrene	8.2	U

PARAMETER	RESULT	QUAL
Pyrene	8.2	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2.1	U
Bis(2-chloroisopropyl)ether	21	U
Bromobenzene	2.1	U
Bromodichloromethane	1	U
Bromoform	2.1	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2.1	U
Chloroethane	5.4	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.5	U
Dibromochloromethane	0.9	U
Dibromomethane	2.1	U
Dichlorodifluoromethane	1.9	U
Ethylbenzene	2.1	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2.1	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.5	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2.1	U
Vinyl chloride	1.9	U
Xylenes, total	1	U
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
S4SB-19(IT) AS1390	**IT(1994)**	**0 ft**
INORGANICS (mg/kg)		
Antimony	3.3	U

PARAMETER	RESULT	QUAL
Arsenic	0.37	B
Barium	5.6	B
Beryllium	0.11	U
Cadmium	0.54	U
Chromium	6	
Cobalt	2.2	U
Copper	7.1	
Cyanide	10	U
Lead	13.5	
Mercury	0.11	
Nickel	2.2	U
Selenium	0.65	U
Silver	0.54	U
Thallium	0.22	U
Tin	3.3	U
Vanadium	1.1	B
Zinc	26.1	
MISCELLANEOUS (mg/kg)		
Sulfide	790	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	1800	U
1,2,4-trichlorobenzene	1800	U
1,2-dichlorobenzene	1800	U
1,3,5-trinitrobenzene	1800	U
1,3-dichlorobenzene	1800	U
1,3-dinitrobenzene	1800	U
1,4-dichlorobenzene	1800	U
1,4-naphthoquinone	1800	U
1-naphthylamine	22000	U
2,3,4,6-tetrachlorophenol	1800	U
2,4,5-trichlorophenol	8600	U
2,4,6-trichlorophenol	1800	U
2,4-dichlorophenol	1800	U
2,4-dimethylphenol	1800	U
2,4-dinitrophenol	8600	U
2,4-dinitrotoluene	1800	U
2,6-dinitrotoluene	1800	U
2-acetylaminofluorene	1800	U
2-chloronaphthalene	1800	U
2-chlorophenol	1800	U
2-methyl-4,6-dinitrophenol	8600	U
2-methylnaphthalene	1800	U
2-methylphenol	1800	U
2-naphthylamine	31000	U
2-nitroaniline	8600	U
2-nitrophenol	1800	U
2-picoline	12000	U
3,3'-dichlorobenzidine	3500	U
3,3'-dimethylbenzidine	15000	U
3-methylcholanthrene	5400	U

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PARAMETER	RESULT	QUAL
3-methylphenol	1800	U
3-nitroaniline	8600	U
4-aminobiphenyl	9000	U
4-bromophenyl phenyl ether	1800	U
4-chloro-3-methylphenol	1800	U
4-chloroaniline	1800	U
4-chlorophenyl phenyl ether	1800	U
4-methylphenol	1800	U
4-nitroaniline	8600	U
4-nitrophenol	8600	U
4-nitroquinoline-1-oxide	1800	U
5-nitro-o-toluidine	3600	U
7,12-dimethylbenz(a)anthracene	3600	U
a,a-dimethylphenethylamine	1800	U
Acenaphthene	1800	U
Acenaphthylene	1800	U
Acetophenone	1800	U
Aniline	1800	U
Anthracene	1800	U
Aramite	1800	U
Benzo(a)anthracene	1800	U
Benzo(a)pyrene	1800	U
Benzo(b)fluoranthene	1800	U
Benzo(g,h,i)perylene	1800	U
Benzo(k)fluoranthene	1800	U
Benzoic acid	8600	U
Benzyl alcohol	1800	U
Bis(2-chloroethoxy)methane	1800	U
Bis(2-chloroethyl)ether	1800	U
Bis(2-ethylhexyl)phthalate	1800	U
Butyl benzyl phthalate	1800	U
Chrysene	1800	U
Di-n-butyl phthalate	1800	U
Di-n-octyl phthalate	1800	U
Diallate	1800	U
Dibenzo(a,h)anthracene	1800	U
Dibenzofuran	1800	U
Diethyl phthalate	1800	U
Dimethyl phthalate	1800	U
Diphenylamine	1800	U
Ethyl methanesulfonate	1800	U
Fluoranthene	1800	U
Fluorene	1800	U
Hexachlorobenzene	1800	U
Hexachlorobutadiene	1800	U
Hexachlorocyclopentadiene	1800	U
Hexachloroethane	1800	U
Hexachlorophene	9100	U
Hexachloropropene	3600	U
Indeno(1,2,3-cd)pyrene	1800	U

PARAMETER	RESULT	QUAL
Isophorone	1800	U
Isosafrole	1800	U
Methapyrilene	7200	U
Methyl methanesulfonate	1800	U
N-nitroso-di-n-butylamine	3600	U
N-nitroso-di-n-propylamine	1800	U
N-nitrosodiethylamine	1800	U
N-nitrosodimethylamine	1800	U
N-nitrosodiphenylamine	1800	U
N-nitrosomethylethylamine	1800	U
N-nitrosopiperidine	1800	U
N-nitrosopyrrolidine	1800	U
Naphthalene	1800	U
Nitrobenzene	1800	U
o,o,o-triethylphosphorothioate	1800	U
o-toluidine	1800	U
p-dimethylaminoazobenzene	5400	U
p-phenylenediamine	9000	U
Pentachlorobenzene	3600	U
Pentachloroethane	3600	U
Pentachloronitrobenzene	3600	U
Pentachlorophenol	8600	U
Phenacetin	1800	U
Phenanthrene	1800	U
Phenol	1800	U
Pronamide	5400	U
Pyrene	1800	U
Pyridine	1800	U
Safrole	1800	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
Bis(2-chloroisopropyl)ether	1800	U
PESTICIDES/PCBs (µg/kg)		
2,4,5-T	110	U
2,4,5-TP (silvex)	110	U
2,4-D	110	U
4,4'-DDD	17	U
4,4'-DDE	17	U
4,4'-DDT	17	U
Aldrin	8.3	U
alpha-BHC	8.3	U
alpha-chlordane	83	U
Aroclor-1016	83	U
Aroclor-1221	83	U
Aroclor-1232	83	U
Aroclor-1242	83	U
Aroclor-1248	83	U
Aroclor-1254	170	U
Aroclor-1260	170	U
beta-BHC	8.3	U
Chlorobenzilate	83	U

PARAMETER	RESULT	QUAL
delta-BHC	8.3	U
Dieldrin	17	U
Dimethoate	35	U
Dinoseb	3600	U
Disulfoton	35	U
Endosulfan I	8.3	U
Endosulfan II	17	U
Endosulfan sulfate	17	U
Endrin	17	U
Endrin ketone	17	U
Famphur	35	U
gamma-BHC (lindane)	8.3	U
gamma-chlordane	83	U
Heptachlor	8.3	U
Heptachlor epoxide	8.3	U
Isodrin	8.3	U
Kepone	17	U
Methoxychlor	83	U
Methyl parathion	35	U
Parathion	35	U
Phorate	35	U
Sulfotep	1800	U
Thionazin	35	U
Toxaphene	170	U
S4SB-19(IT) AS1577 IT(1994) 0 ft		
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,4-dioxane	1200	U
Ethyl methacrylate	12	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	6	U
1,1,1-trichloroethane	6	U
1,1,2,2-tetrachloroethane	6	U
1,1,2-trichloroethane	6	U
1,1-dichloroethane	6	U
1,1-dichloroethene	6	U
1,2,3-trichloropropane	6	U
1,2-dibromo-3-chloropropane	6	U
1,2-dibromoethane	6	U
1,2-dichloroethane	6	U
1,2-dichloroethene	6	U
1,2-dichloropropane	6	U
2-butanone	12	U
2-chloro-1,3-butadiene	6	U
2-hexanone	12	U
3-chloropropene	6	U
4-methyl-2-pentanone	12	U
Acetone	12	U
Acetonitrile	120	U
Acrolein	12	U
Acrylonitrile	12	U

PARAMETER	RESULT	QUAL
Benzene	6	U
Bromodichloromethane	6	U
Bromoform	6	U
Bromomethane	12	U
Carbon disulfide	6	U
Carbon tetrachloride	6	U
Chlorobenzene	6	U
Chloroethane	12	U
Chloroform	6	U
Chloromethane	12	U
Cis-1,2-dichloroethene	6	U
Cis-1,3-dichloropropene	6	U
Dibromochloromethane	6	U
Dibromomethane	6	U
Dichlorodifluoromethane	25	U
Ethyl cyanide	120	U
Ethylbenzene	6	U
Iodomethane	6	U
Methacrylonitrile	12	U
Methyl methacrylate	12	U
Methylene chloride	22	B
Styrene	6	U
Tetrachloroethene	6	U
Toluene	6	U
Trans-1,3-dichloropropene	6	U
Trans-1,4-dichloro-2-butene	25	U
Trichloroethene	6	U
Trichlorofluoromethane	6	U
Vinyl acetate	12	U
Vinyl chloride	12	U
Xylenes, total	6	U
S4SB-1 S4SB-1 B&RE 0 ft		
INORGANICS (mg/kg)		
Aluminum	3180	
Antimony	0.6	U
Arsenic	1.4	
Barium	10.6	
Beryllium	0.03	U
Cadmium	0.12	U
Chromium	9.3	
Cobalt	0.3	U
Copper	15.9	
Iron	2050	
Lead	47.5	
Manganese	18.9	
Mercury	0.02	U
Nickel	2.7	
Selenium	0.6	U
Silver	0.3	U
Thallium	0.6	U

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PARAMETER	RESULT	QUAL
Vanadium	8.3	
Zinc	7.7	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	486	UJ
1,2,4-trichlorobenzene	486	UJ
1,2-dichlorobenzene	486	UJ
1,3,5-trinitrobenzene	2430	UJ
1,3-dichlorobenzene	486	UJ
1,3-dinitrobenzene	486	UJ
1,4-dichlorobenzene	486	UJ
1,4-dioxane	486	UJ
1,4-naphthoquinone	486	UJ
1-naphthylamine	486	UJ
2,3,4,6-tetrachlorophenol	486	UJ
2,4,5-trichlorophenol	486	UJ
2,4,6-trichlorophenol	486	UJ
2,4-dichlorophenol	486	UJ
2,4-dimethylphenol	486	UJ
2,4-dinitrophenol	973	UJ
2,4-dinitrotoluene	486	UJ
2,6-dichlorophenol	486	UJ
2,6-dinitrotoluene	486	UJ
2-acetylaminofluorene	486	UJ
2-chloronaphthalene	486	UJ
2-chlorophenol	486	UJ
2-methyl-4,6-dinitrophenol	486	UJ
2-methylnaphthalene	486	UJ
2-methylphenol	486	UJ
2-naphthylamine	486	UJ
2-nitroaniline	486	UJ
2-nitrophenol	486	UJ
2-picoline	486	UJ
3,3'-dichlorobenzidine	2430	UJ
3,3'-dimethylbenzidine	2430	UJ
3-methylcholanthrene	486	UJ
3-nitroaniline	486	UJ
4-aminobiphenyl	486	UJ
4-bromophenyl phenyl ether	486	UJ
4-chloro-3-methylphenol	486	UJ
4-chloroaniline	486	UJ
4-chlorophenyl phenyl ether	486	UJ
4-methylphenol	486	UJ
4-nitroaniline	486	UJ
4-nitrophenol	973	UJ
4-nitroquinoline-1-oxide	486	UJ
5-nitro-o-toluidine	486	UJ
7,12-dimethylbenz(a)anthracene	486	UJ
a,a-dimethylphenethylamine	486	UJ
Acenaphthene	486	UJ
Acenaphthylene	486	UJ

PARAMETER	RESULT	QUAL
Acetophenone	486	UJ
Aniline	486	UJ
Anthracene	486	UJ
Aramite	486	UJ
Benzo(a)anthracene	486	UJ
Benzo(a)pyrene	486	UJ
Benzo(b)fluoranthene	486	UJ
Benzo(g,h,i)perylene	486	UJ
Benzo(k)fluoranthene	486	UJ
Benzyl alcohol	486	UJ
Bis(2-chloroethoxy)methane	486	UJ
Bis(2-chloroethyl)ether	486	UJ
Bis(2-ethylhexyl)phthalate	486	UJ
Butyl benzyl phthalate	486	UJ
Chrysene	486	UJ
Di-n-butyl phthalate	486	UJ
Di-n-octyl phthalate	486	UJ
Diallate	486	UJ
Dibenzo(a,h)anthracene	486	UJ
Dibenzofuran	486	UJ
Diethyl phthalate	486	UJ
Dimethyl phthalate	486	UJ
Diphenylamine	486	UJ
Ethyl methacrylate	486	UJ
Ethyl methanesulfonate	486	UJ
Fluoranthene	486	UJ
Fluorene	486	UJ
Hexachlorobenzene	486	UJ
Hexachlorobutadiene	486	UJ
Hexachlorocyclopentadiene	486	UJ
Hexachloroethane	486	UJ
Hexachloropropene	486	UJ
Indeno(1,2,3-cd)pyrene	486	UJ
Isophorone	486	UJ
Isosafrole	486	UJ
Methapyrilene	2430	UJ
Methyl methanesulfonate	486	UJ
N-nitroso-di-n-butylamine	486	UJ
N-nitroso-di-n-propylamine	486	UJ
N-nitrosodiethylamine	486	UJ
N-nitrosodimethylamine	486	UJ
N-nitrosodiphenylamine	486	UJ
N-nitrosomethylethylamine	486	UJ
N-nitrosomorpholine	486	UJ
N-nitrosopiperidine	486	UJ
N-nitrosopyrrolidine	486	UJ
Naphthalene	486	UJ
Nitrobenzene	486	UJ
o,o,o-triethylphosphorothioate	486	UJ
o-toluidine	486	UJ

PARAMETER	RESULT	QUAL
p-dimethylaminoazobenzene	486	UJ
p-phenylenediamine	973	UJ
Pentachlorobenzene	486	UJ
Pentachloroethane	486	UJ
Pentachloronitrobenzene	486	UJ
Pentachlorophenol	486	UJ
Phenacetin	486	UJ
Phenanthrene	486	UJ
Phenol	486	UJ
Pronamide	486	UJ
Pyrene	486	UJ
Pyridine	486	UJ
Safrole	486	UJ
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	3	U
1,1,1-trichloroethane	3	U
1,1,2,2-tetrachloroethane	3	U
1,1,2-trichloroethane	3	U
1,1-dichloroethane	3	U
1,1-dichloroethene	3	U
1,2,3-trichloropropane	2	U
1,2-dibromo-3-chloropropane	2	U
1,2-dibromoethane	2	U
1,2-dichloroethane	3	U
1,2-dichloropropane	3	U
2-butanone	8	U
2-hexanone	8	U
3-chloropropene	8	U
4-methyl-2-pentanone	8	U
Acetone	70	
Acetonitrile	8	U
Acrolein	15	U
Acrylonitrile	15	U
Benzene	3	U
Bis(2-chloroisopropyl)ether	15	U
Bromodichloromethane	3	U
Bromoform	3	U
Bromomethane	3	U
Carbon disulfide	8	U
Carbon tetrachloride	3	U
Chlorobenzene	3	U
Chloroethane	3	U
Chloroform	3	U
Chloromethane	3	U
Cis-1,3-dichloropropene	3	U
Dibromochloromethane	3	U
Dibromomethane	3	U
Dichlorodifluoromethane	3	U
Ethyl cyanide	15	U
Ethylbenzene	3	U

PARAMETER	RESULT	QUAL
Iodomethane	4	U
Isobutanol	15	U
Methacrylonitrile	8	U
Methyl methacrylate	8	U
Methylene chloride	69	
Styrene	3	U
Tetrachloroethene	0.48	J
Toluene	3	U
Trans-1,2-dichloroethene	3	U
Trans-1,3-dichloropropene	3	U
Trans-1,4-dichloro-2-butene	8	U
Trichloroethene	3	U
Trichlorofluoromethane	3	U
Vinyl acetate	8	U
Vinyl chloride	3	U
Xylenes, total	6	U
PESTICIDES/PCBs (µg/kg)		
2,4,5-T	2.9	U
2,4,5-TP (silvex)	2.9	U
2,4-D	2.9	U
4,4'-DDD	39.4	UJ
4,4'-DDE	29.5	J
4,4'-DDT	36.4	J
Aldrin	19.7	UJ
alpha-BHC	19.7	UJ
Aroclor-1016	123	UJ
Aroclor-1221	123	UJ
Aroclor-1232	123	UJ
Aroclor-1242	123	UJ
Aroclor-1248	123	UJ
Aroclor-1254	123	UJ
Aroclor-1260	123	UJ
beta-BHC	19.7	UJ
Chlordane	246	UJ
Chlorobenzilate	2430	UJ
delta-BHC	19.7	UJ
Dieldrin	39.4	UJ
Dimethoate	2430	UJ
Dinoseb	486	UJ
Disulfoton	486	UJ
Endosulfan I	19.7	UJ
Endosulfan II	39.4	UJ
Endosulfan sulfate	39.4	UJ
Endrin	39.4	UJ
Endrin aldehyde	39.4	UJ
Famphur	486	UJ
gamma-BHC (lindane)	19.7	UJ
Heptachlor	19.7	UJ
Heptachlor epoxide	19.7	UJ
Isodrin	486	UJ

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PARAMETER	RESULT	QUAL
Kepone	486	UJ
Methoxychlor	197	UJ
Methyl parathion	49.3	UJ
Parathion	49.3	UJ
Phorate	49.3	UJ
Sulfotep	486	UJ
Thionazin	486	UJ
Toxaphene	986	UJ
SWMU 5		
S5SB-2 AS1369 IT(1994) 0 ft		
INORGANICS (mg/kg)		
Antimony	3.3	U
Arsenic	0.34	B
Barium	3.7	B
Beryllium	0.11	U
Cadmium	0.56	U
Chromium	6.4	
Cobalt	2.2	U
Copper	1.1	U
Cyanide	10	U
Lead	33.7	
Mercury	0.02	U
Nickel	2.2	U
Selenium	1.1	U
Silver	0.56	U
Thallium	0.22	U
Tin	3.3	U
Vanadium	1.1	U
Zinc	3.1	
MISCELLANEOUS (mg/kg)		
Sulfide	200	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	400	U
1,2,4-trichlorobenzene	400	U
1,2-dichlorobenzene	400	U
1,3,5-trinitrobenzene	400	U
1,3-dichlorobenzene	400	U
1,3-dinitrobenzene	400	U
1,4-dichlorobenzene	400	U
1,4-dioxane	1100	U
1,4-naphthoquinone	400	U
1-naphthylamine	4800	U
2,3,4,6-tetrachlorophenol	400	U
2,4,5-trichlorophenol	1900	U
2,4,6-trichlorophenol	400	U
2,4-dichlorophenol	400	U
2,4-dimethylphenol	400	U
2,4-dinitrophenol	1900	U
2,4-dinitrotoluene	400	U
2,6-dichlorophenol	400	U

PARAMETER	RESULT	QUAL
2,6-dinitrotoluene	400	U
2-acetylaminofluorene	400	U
2-chloronaphthalene	400	U
2-chlorophenol	400	U
2-methyl-4,6-dinitrophenol	1900	U
2-methylnaphthalene	400	U
2-methylphenol	400	U
2-naphthylamine	6800	U
2-nitroaniline	1900	U
2-nitrophenol	400	U
2-picoline	2800	U
3,3'-dichlorobenzidine	790	U
3,3'-dimethylbenzidine	3200	U
3-methylcholanthrene	1200	U
3-methylphenol	400	U
3-nitroaniline	1900	U
4-aminobiphenyl	2000	U
4-bromophenyl phenyl ether	400	U
4-chloro-3-methylphenol	400	U
4-chloroaniline	400	U
4-chlorophenyl phenyl ether	400	U
4-methylphenol	400	U
4-nitroaniline	1900	U
4-nitrophenol	1900	U
4-nitroquinoline-1-oxide	400	U
5-nitro-o-toluidine	800	U
7,12-dimethylbenz(a)anthracene	800	U
a,a-dimethylphenethylamine	400	U
Acenaphthene	400	U
Acenaphthylene	400	U
Acetophenone	400	U
Aniline	400	U
Anthracene	400	U
Aramite	400	U
Benzo(a)anthracene	400	U
Benzo(a)pyrene	400	U
Benzo(b)fluoranthene	400	U
Benzo(g,h,i)perylene	400	U
Benzo(k)fluoranthene	400	U
Benzoic acid	1900	U
Benzyl alcohol	400	U
Bis(2-chloroethoxy)methane	400	U
Bis(2-chloroethyl)ether	400	U
Bis(2-ethylhexyl)phthalate	400	U
Butyl benzyl phthalate	400	U
Chrysene	400	U
Di-n-butyl phthalate	400	U
Di-n-octyl phthalate	400	U
Diallate	400	U
Dibenzo(a,h)anthracene	400	U

PARAMETER	RESULT	QUAL
Dibenzofuran	400	U
Diethyl phthalate	400	U
Dimethyl phthalate	400	U
Diphenylamine	400	U
Ethyl methacrylate	11	U
Ethyl methanesulfonate	400	U
Fluoranthene	400	U
Fluorene	400	U
Hexachlorobenzene	400	U
Hexachlorobutadiene	400	U
Hexachlorocyclopentadiene	400	U
Hexachloroethane	400	U
Hexachlorophene	2000	U
Hexachloropropene	800	U
Indeno(1,2,3-cd)pyrene	400	U
Isophorone	400	U
Isosafrole	400	U
Methapyrilene	1600	U
Methyl methanesulfonate	400	U
N-nitroso-di-n-butylamine	800	U
N-nitroso-di-n-propylamine	400	U
N-nitrosodiethylamine	400	U
N-nitrosodimethylamine	400	U
N-nitrosodiphenylamine	400	U
N-nitrosomethylethylamine	400	U
N-nitrosomorpholine	400	U
N-nitrosopiperidine	400	U
N-nitrosopyrrolidine	400	U
Naphthalene	400	U
Nitrobenzene	400	U
o,o,o-triethylphosphorothioate	400	U
o-toluidine	400	U
p-dimethylaminoazobenzene	1200	U
p-phenylenediamine	2000	U
Pentachlorobenzene	800	U
Pentachloroethane	400	U
Pentachloronitrobenzene	800	U
Pentachlorophenol	1900	U
Phenacetin	400	U
Phenanthrene	400	U
Phenol	400	U
Pronamide	1200	U
Pyrene	400	U
Pyridine	800	U
Safrole	400	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	6	U
1,1,1-trichloroethane	6	U
1,1,2,2-tetrachloroethane	6	U
1,1,2-trichloroethane	6	U

PARAMETER	RESULT	QUAL
1,1-dichloroethane	6	U
1,1-dichloroethene	6	U
1,2,3-trichloropropane	6	U
1,2-dibromo-3-chloropropane	6	U
1,2-dibromoethane	6	U
1,2-dichloroethane	6	U
1,2-dichloropropane	6	U
2-butanone	9	J
2-chloro-1,3-butadiene	6	U
2-hexanone	11	U
3-chloropropene	6	U
4-methyl-2-pentanone	11	U
Acetone	35	
Acetonitrile	110	U
Acrolein	11	U
Acrylonitrile	11	U
Benzene	6	U
Bis(2-chloroisopropyl)ether	400	U
Bromodichloromethane	6	U
Bromoform	6	U
Bromomethane	11	U
Carbon disulfide	6	U
Carbon tetrachloride	6	U
Chlorobenzene	6	U
Chloroethane	11	U
Chloroform	6	U
Chloromethane	11	U
Cis-1,2-dichloroethene	1	J
Cis-1,3-dichloropropene	6	U
Dibromochloromethane	6	U
Dibromomethane	6	U
Dichlorodifluoromethane	22	U
Ethyl cyanide	110	U
Ethylbenzene	6	U
Iodomethane	6	U
Methacrylonitrile	11	U
Methyl methacrylate	11	U
Methylene chloride	20	B
Styrene	6	U
Tetrachloroethene	6	U
Toluene	6	U
Trans-1,2-dichloroethene	6	U
Trans-1,3-dichloropropene	6	U
Trans-1,4-dichloro-2-butene	22	U
Trichloroethene	6	U
Trichlorofluoromethane	6	U
Vinyl acetate	11	U
Vinyl chloride	11	U
Xylenes, total	6	U

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PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	18	U
4,4'-DDE	18	U
4,4'-DDT	18	U
Aldrin	8.9	U
alpha-BHC	8.9	U
alpha-chlordane	89	U
Aroclor-1016	89	U
Aroclor-1221	89	U
Aroclor-1232	89	U
Aroclor-1242	89	U
Aroclor-1248	89	U
Aroclor-1254	180	U
Aroclor-1260	180	U
beta-BHC	8.9	U
Chlorobenzilate	89	U
delta-BHC	8.9	U
Dieldrin	18	U
Dinoseb	800	U
Endosulfan I	8.9	U
Endosulfan II	18	U
Endosulfan sulfate	18	U
Endrin	18	U
Endrin ketone	18	U
gamma-BHC (lindane)	8.9	U
gamma-chlordane	89	U
Heptachlor	8.9	U
Heptachlor epoxide	8.9	U
Isodrin	8.9	U
Kepone	18	U
Methoxychlor	89	U
Toxaphene	180	U
S5SB-2 AS2187 IT(1994) 0 ft		
PESTICIDES/PCBs (µg/kg)		
2,4,5-T	110	U
2,4,5-TP (silvex)	110	U
2,4-D	110	U
Dimethoate	36	U
Disulfoton	36	U
Famphur	36	U
Methyl parathion	36	U
Parathion	36	U
Phorate	73	U
Sulfotep	73	U
Thionazin	36	U
S5SB-3 AS1372 IT(1994) 0 ft		
INORGANICS (mg/kg)		
Antimony	3.4	U
Arsenic	0.39	B
Barium	6.8	B
Beryllium	0.11	U
Cadmium	12.6	
Chromium	19.7	
Cobalt	2.3	U
Copper	2.2	B
Lead	33.2	
Mercury	0.02	U
Nickel	2.4	B
Selenium	1.1	U
Silver	0.57	U
Thallium	0.23	U
Tin	3.4	U
Vanadium	1.1	U
Zinc	86.3	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.7	U
1,3-dichlorobenzene	3.6	U
1,4-dichlorobenzene	2.7	U
Acenaphthene	18	U
Acenaphthylene	18	U
Anthracene	8.9	U
Benzo(a)anthracene	8.9	U
Benzo(a)pyrene	8.9	U
Benzo(b)fluoranthene	8.9	U
Benzo(g,h,i)perylene	8.9	U
Benzo(k)fluoranthene	8.9	U
Chrysene	8.9	U
Dibenzo(a,h)anthracene	8.9	U
Fluoranthene	8.9	U
Fluorene	8.9	U
Indeno(1,2,3-cd)pyrene	8.9	U
Naphthalene	18	U
Phenanthrene	9.6	U
Pyrene	83	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.4	U
1,2,3-trichloropropane	1.1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1.1	U
2-chloroethyl vinyl ether	1.4	U
Benzene	2.2	U
Bis(2-chloroisopropyl)ether	22	U
Bromobenzene	2.2	U
Bromodichloromethane	1.1	U
Bromoform	2.2	U
Bromomethane	1.3	U
Carbon tetrachloride	1.3	U
Chlorobenzene	2.2	U
Chloroethane	5.8	U
Chloroform	0.6	U
Chloromethane	0.9	U
Chlorotoluene	1.1	U
Cis-1,2-dichloroethene	1.1	U
Cis-1,3-dichloropropene	3.8	U
Dibromochloromethane	1	U
Dibromomethane	2.2	U
Dichlorodifluoromethane	2	U
Ethylbenzene	2.2	U
Methylene chloride	17	U
Tetrachloroethene	0.3	U
Toluene	2.2	U
Trans-1,2-dichloroethene	1.1	U
Trans-1,3-dichloropropene	3.8	U
Trichloroethene	1.3	U
Trichlorofluoromethane	2.2	U
Vinyl chloride	2	U
Xylenes, total	1.1	U
S5SB-3 AS2176/77-AVG IT(1994) 0 ft		
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
2,4,6-trichlorophenol	385	U
2,4-dichlorophenol	385	U
2,4-dimethylphenol	385	U
2,4-dinitrophenol	1950	U
2-chlorophenol	385	U
2-methyl-4,6-dinitrophenol	1950	U
2-nitrophenol	385	U
4-chloro-3-methylphenol	385	U
4-nitrophenol	1950	U
Pentachlorophenol	1950	U
Phenol	385	U
S5SB-4 AS1376 IT(1994) 0 ft		
INORGANICS (mg/kg)		
Antimony	4.2	B
Arsenic	0.9	B
Barium	11.7	B
Beryllium	0.26	B
Cadmium	1.7	
Chromium	9	
Cobalt	2.2	U
Copper	4.3	
Lead	13.8	
Mercury	0.02	U
Nickel	3	B
Selenium	1.1	U
Silver	0.55	U
Thallium	0.22	U
Tin	5.1	B
Vanadium	2.7	B
Zinc	39.7	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.7	U
1,3-dichlorobenzene	3.6	U
1,4-dichlorobenzene	2.7	U
Acenaphthene	18	U
Acenaphthylene	18	U
Anthracene	8.9	U
Benzo(a)anthracene	8.9	U
Benzo(a)pyrene	8.9	U
Benzo(b)fluoranthene	8.9	U
Benzo(g,h,i)perylene	8.9	U
Benzo(k)fluoranthene	8.9	U
Chrysene	8.9	U
Dibenzo(a,h)anthracene	8.9	U
Fluoranthene	8.9	U
Fluorene	8.9	U
Indeno(1,2,3-cd)pyrene	8.9	U
Naphthalene	18	U
Phenanthrene	12	U
Pyrene	8.9	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.4	U
1,2,3-trichloropropane	1.1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1.1	U
2-chloroethyl vinyl ether	1.4	U
Benzene	2.2	U
Bis(2-chloroisopropyl)ether	22	U
Bromobenzene	2.2	U
Bromodichloromethane	1.1	U
Bromoform	2.2	U
Bromomethane	1.3	U
Carbon tetrachloride	1.3	U
Chlorobenzene	2.2	U
Chloroethane	5.8	U
Chloroform	0.6	U
Chloromethane	0.9	U
Chlorotoluene	1.1	U
Cis-1,2-dichloroethene	1.1	U

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PARAMETER	RESULT	QUAL
Cis-1,3-dichloropropene	3.8	U
Dibromochloromethane	1	U
Dibromomethane	2.2	U
Dichlorodifluoromethane	2	U
Ethylbenzene	2.2	U
Methylene chloride	17	U
Tetrachloroethene	0.3	U
Toluene	2.2	U
Trans-1,2-dichloroethene	1.1	U
Trans-1,3-dichloropropene	3.8	U
Trichloroethene	1.3	U
Trichlorofluoromethane	2.2	U
Vinyl chloride	2	U
Xylenes, total	1.1	U
S5SB-4 AS2173 IT(1994) 0 ft		
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
2,4,6-trichlorophenol	370	U
2,4-dichlorophenol	370	U
2,4-dimethylphenol	370	U
2,4-dinitrophenol	1900	U
2-chlorophenol	370	U
2-methyl-4,6-dinitrophenol	1900	U
2-nitrophenol	370	U
4-chloro-3-methylphenol	370	U
4-nitrophenol	1900	U
Pentachlorophenol	1900	U
Phenol	370	U
S5SB-1 S5SB-1 B&RE 0 ft		
INORGANICS (mg/kg)		
Aluminum	923	
Antimony	0.47	U
Arsenic	13	
Barium	22.3	
Beryllium	0.07	U
Cadmium	2.2	
Chromium	24.7	
Cobalt	0.7	
Copper	7.2	
Iron	1480	
Lead	52.1	
Manganese	8.9	
Mercury	0.04	
Nickel	7.6	
Selenium	0.47	U
Silver	0.23	U
Thallium	0.47	U
Vanadium	3.2	
Zinc	26.2	

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PARAMETER	RESULT	QUAL
S7SB-11 AS1546 IT(1994) 0 ft		
INORGANICS (mg/kg)		
Antimony	3.7	B
Arsenic	0.97	B
Barium	9.3	B
Beryllium	0.18	B
Cadmium	0.6	U
Chromium	22.1	
Cobalt	2.4	U
Copper	4.4	
Lead	12.7	
Mercury	0.03	
Nickel	2.9	B
Selenium	0.27	U
Silver	0.6	U
Thallium	0.24	U
Tin	3.6	U
Vanadium	3.5	B
Zinc	119	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.8	U
1,3-dichlorobenzene	3.9	U
1,4-dichlorobenzene	3	U
2,4,6-trichlorophenol	4400	U
2,4-dichlorophenol	4400	U
2,4-dimethylphenol	4400	U
2,4-dinitrophenol	22000	U
2-chlorophenol	4400	U
2-methyl-4,6-dinitrophenol	22000	U
2-nitrophenol	4400	U
4-chloro-3-methylphenol	4400	U
4-nitrophenol	22000	U
Acenaphthene	38	U*
Acenaphthylene	38	U*
Anthracene	19	U*
Benzo(a)anthracene	19	U*
Benzo(a)pyrene	19	U*
Benzo(b)fluoranthene	19	U*
Benzo(g,h,i)perylene	19	U*
Benzo(k)fluoranthene	19	U*
Chrysene	19	U*
Dibenzo(a,h)anthracene	19	U*
Fluoranthene	19	U*
Fluorene	19	U*
Indeno(1,2,3-cd)pyrene	19	U*
Naphthalene	38	U*
Pentachlorophenol	22000	U
Phenanthrene	31	U*
Phenol	4400	U
Pyrene	19	U*

PARAMETER	RESULT	QUAL
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.9	U
1,1-dichloroethene	1.6	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U
2-chloroethyl vinyl ether	1.6	U
Benzene	2.5	U
Bis(2-chloroisopropyl)ether	25	U
Bromobenzene	2.5	U
Bromodichloromethane	1.2	U
Bromoform	2.5	U
Bromomethane	1.5	U
Carbon tetrachloride	1.5	U
Chlorobenzene	2.5	U
Chloroethane	6.4	U
Chloroform	0.6	U
Chloromethane	1	U
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	4.2	U
Dibromochloromethane	1.1	U
Dibromomethane	2.5	U
Dichlorodifluoromethane	2.2	U
Ethylbenzene	2.5	U
Methylene chloride	18	U
Tetrachloroethene	0.4	U
Toluene	2.5	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	4.2	U
Trichloroethene	1.5	U
Trichlorofluoromethane	2.5	U
Vinyl chloride	2.2	U
Xylenes, total	1.2	U
S7SB-12 AS1544 IT(1994) 0 ft		
INORGANICS (mg/kg)		
Antimony	3.1	U
Arsenic	0.29	B
Barium	4.6	B
Beryllium	0.1	U
Cadmium	0.52	U
Chromium	2.6	
Cobalt	2.1	U
Copper	1	U
Lead	0.21	U

PARAMETER	RESULT	QUAL
Mercury	0.02	U
Nickel	2.1	U
Selenium	0.21	U
Silver	0.52	U
Thallium	0.21	U
Tin	3.1	U
Vanadium	1	U
Zinc	0.75	B
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.8	U
1,3-dichlorobenzene	3.8	U
1,4-dichlorobenzene	2.9	U
2,4,6-trichlorophenol	4100	U
2,4-dichlorophenol	4100	U
2,4-dimethylphenol	4100	U
2,4-dinitrophenol	20000	U
2-chlorophenol	4100	U
2-methyl-4,6-dinitrophenol	20000	U
2-nitrophenol	4100	U
4-chloro-3-methylphenol	4100	U
4-nitrophenol	20000	U
Acenaphthene	19	U
Acenaphthylene	19	U
Anthracene	9.3	U
Benzo(a)anthracene	9.3	U
Benzo(a)pyrene	9.3	U
Benzo(b)fluoranthene	9.3	U
Benzo(g,h,i)perylene	9.3	U
Benzo(k)fluoranthene	9.3	U
Chrysene	9.3	U
Dibenzo(a,h)anthracene	9.3	U
Fluoranthene	9.3	U
Fluorene	9.3	U
Indeno(1,2,3-cd)pyrene	9.3	U
Naphthalene	19	U
Pentachlorophenol	20000	U
Phenanthrene	9.3	U
Phenol	4100	U
Pyrene	9.3	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.8	U
1,1-dichloroethene	1.6	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U

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PARAMETER	RESULT	QUAL
2-chloroethyl vinyl ether	1.6	U
Benzene	2.4	U
Bis(2-chloroisopropyl)ether	24	U
Bromobenzene	2.4	U
Bromodichloromethane	1.2	U
Bromoform	2.4	U
Bromomethane	1.4	U
Carbon tetrachloride	1.4	U
Chlorobenzene	2.4	U
Chloroethane	6.2	U
Chloroform	0.6	U
Chloromethane	1	U
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	4.1	U
Dibromochloromethane	1.1	U
Dibromomethane	2.4	U
Dichlorodifluoromethane	2.2	U
Ethylbenzene	2.4	U
Methylene chloride	18	U
Tetrachloroethene	0.4	U
Toluene	2.4	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	4.1	U
Trichloroethene	1.4	U
Trichlorofluoromethane	2.4	U
Vinyl chloride	2.2	U
Xylenes, total	1.2	U
S7SB-13A AS1547 IT(1994) 0 ft		
INORGANICS (mg/kg)		
Antimony	4.2	B
Arsenic	3.5	
Barium	7.8	B
Beryllium	0.15	B
Cadmium	0.55	U
Chromium	4.4	
Cobalt	2.2	U
Copper	11.1	
Cyanide	10	U
Lead	16.7	
Mercury	0.03	
Nickel	2.2	U
Selenium	0.44	U
Silver	0.55	U
Thallium	0.22	U
Tin	3.3	U
Vanadium	1.4	B
Zinc	9.2	
MISCELLANEOUS (mg/kg)		
Sulfide	1300	

PARAMETER	RESULT	QUAL
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	2100	U
1,2,4-trichlorobenzene	2100	U
1,2-dichlorobenzene	2100	U
1,3,5-trinitrobenzene	2100	U
1,3-dichlorobenzene	2100	U
1,3-dinitrobenzene	2100	U
1,4-dichlorobenzene	2100	U
1,4-dioxane	1200	U
1,4-naphthoquinone	2100	U
1-naphthylamine	25000	U
2,3,4,6-tetrachlorophenol	2100	U
2,4,5-trichlorophenol	10000	U
2,4,6-trichlorophenol	2100	U
2,4-dichlorophenol	2100	U
2,4-dimethylphenol	2100	U
2,4-dinitrophenol	10000	U
2,4-dinitrotoluene	2100	U
2,6-dinitrotoluene	2100	U
2-acetylaminofluorene	2100	U
2-chloronaphthalene	2100	U
2-chlorophenol	2100	U
2-methyl-4,6-dinitrophenol	10000	U
2-methylnaphthalene	2100	U
2-methylphenol	2100	U
2-naphthylamine	36000	U
2-nitroaniline	10000	U
2-nitrophenol	2100	U
2-picoline	14000	U
3,3'-dichlorobenzidine	4100	U
3,3'-dimethylbenzidine	17000	U
3-methylcholanthrene	6200	U
3-methylphenol	2100	U
3-nitroaniline	10000	U
4-aminobiphenyl	10000	U
4-bromophenyl phenyl ether	2100	U
4-chloro-3-methylphenol	2100	U
4-chloroaniline	2100	U
4-chlorophenyl phenyl ether	2100	U
4-methylphenol	2100	U
4-nitroaniline	10000	U
4-nitrophenol	10000	U
4-nitroquinoline-1-oxide	2100	U
5-nitro-o-toluidine	4200	U
7,12-dimethylbenz(a)anthracene	4200	U
a,a-dimethylphenethylamine	2100	U
Acenaphthene	2100	U
Acenaphthylene	2100	U
Acetophenone	2100	U
Aniline	2100	U

PARAMETER	RESULT	QUAL
Anthracene	2100	U
Aramite	2100	U
Benzo(a)anthracene	270	J
Benzo(a)pyrene	360	J
Benzo(b)fluoranthene	380	J
Benzo(g,h,i)perylene	260	J
Benzo(k)fluoranthene	310	J
Benzoic acid	10000	U
Benzyl alcohol	2100	U
Bis(2-chloroethoxy)methane	2100	U
Bis(2-chloroethyl)ether	2100	U
Bis(2-ethylhexyl)phthalate	680	J
Butyl benzyl phthalate	2100	U
Chrysene	380	J
Di-n-butyl phthalate	2100	U
Di-n-octyl phthalate	2100	U
Diallate	2100	U
Dibenzo(a,h)anthracene	2100	U
Dibenzofuran	2100	U
Diethyl phthalate	2100	U
Dimethyl phthalate	2100	U
Diphenylamine	2100	U
Ethyl methacrylate	4200	U
Ethyl methanesulfonate	2100	U
Fluoranthene	380	J
Fluorene	2100	U
Hexachlorobenzene	2100	U
Hexachlorobutadiene	2100	U
Hexachlorocyclopentadiene	2100	U
Hexachloroethane	2100	U
Hexachlorophene	11000	U
Hexachloropropene	4200	U
Indeno(1,2,3-cd)pyrene	240	J
Isophorone	2100	U
Isosafrole	2100	U
Methapyrilene	8300	U
Methyl methanesulfonate	2100	U
N-nitroso-di-n-butylamine	4200	U
N-nitroso-di-n-propylamine	2100	U
N-nitrosodiethylamine	2100	U
N-nitrosodimethylamine	2100	U
N-nitrosodiphenylamine	2100	U
N-nitrosomethylethylamine	2100	U
N-nitrosopiperidine	2100	U
N-nitrosopyrrolidine	2100	U
Naphthalene	2100	U
Nitrobenzene	2100	U
o,o,o-triethylphosphorothioate	2100	U
o-toluidine	2100	U
p-dimethylaminoazobenzene	6200	U

PARAMETER	RESULT	QUAL
p-phenylenediamine	10000	U
Pentachlorobenzene	4200	U
Pentachloroethane	4200	U
Pentachloronitrobenzene	4200	U
Pentachlorophenol	10000	U
Phenacetin	2100	U
Phenanthrene	2100	U
Phenol	2100	U
Pronamide	6200	U
Pyrene	350	J
Pyridine	2100	U
Safrole	2100	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	6	U
1,1,1-trichloroethane	6	U
1,1,2,2-tetrachloroethane	6	U
1,1,2-trichloroethane	6	U
1,1-dichloroethane	6	U
1,1-dichloroethene	6	U
1,2,3-trichloropropane	6	U
1,2-dibromo-3-chloropropane	6	U
1,2-dibromoethane	6	U
1,2-dichloroethane	6	U
1,2-dichloropropane	6	U
2-butanone	12	U
2-chloro-1,3-butadiene	6	U
2-hexanone	12	U
3-chloropropene	6	U
4-methyl-2-pentanone	12	U
Acetone	42	
Acetonitrile	120	U
Acrolein	12	U
Acrylonitrile	12	U
Benzene	6	U
Bis(2-chloroisopropyl)ether	2100	U
Bromodichloromethane	6	U
Bromoform	6	U
Bromomethane	12	U
Carbon disulfide	6	U
Carbon tetrachloride	6	U
Chlorobenzene	6	U
Chloroethane	12	U
Chloroform	6	U
Chloromethane	12	U
Cis-1,2-dichloroethene	1	J
Cis-1,3-dichloropropene	6	U
Dibromochloromethane	6	U
Dibromomethane	6	U
Dichlorodifluoromethane	25	U
Ethyl cyanide	120	U

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PARAMETER	RESULT	QUAL
Ethylbenzene	6	U
Iodomethane	6	U
Methacrylonitrile	12	U
Methyl methacrylate	12	U
Methylene chloride	18	B
Styrene	6	U
Tetrachloroethene	6	U
Toluene	6	U
Trans-1,2-dichloroethene	6	U
Trans-1,3-dichloropropene	6	U
Trans-1,4-dichloro-2-butene	25	U
Trichloroethene	6	U
Trichlorofluoromethane	6	U
Vinyl acetate	12	U
Vinyl chloride	12	U
Xylenes, total	6	U
PESTICIDES/PCBs (µg/kg)		
2,4,5-T	130	U
2,4,5-TP (silvex)	130	U
2,4-D	130	U
4,4'-DDD	20	U
4,4'-DDE	20	U
4,4'-DDT	20	U
Aldrin	10	U
alpha-BHC	10	U
alpha-chlordane	100	U
Aroclor-1016	100	U
Aroclor-1221	100	U
Aroclor-1232	100	U
Aroclor-1242	100	U
Aroclor-1248	100	U
Aroclor-1254	200	U
Aroclor-1260	200	U
beta-BHC	10	U
Chlorobenzilate	100	U
delta-BHC	10	U
Dieldrin	20	U
Dimethoate	41	U
Dinoseb	4200	U
Disulfoton	41	U
Endosulfan I	10	U
Endosulfan II	20	U
Endosulfan sulfate	20	U
Endrin	20	U
Endrin ketone	20	U
Famphur	41	U
gamma-BHC (lindane)	10	U
gamma-chlordane	100	U
Heptachlor	10	U
Heptachlor epoxide	10	U

PARAMETER	RESULT	QUAL
Isodrin	10	U
Kepone	20	U
Methoxychlor	100	U
Methyl parathion	41	U
Parathion	41	U
Phorate	41	U
Sulfotep	2100	U
Thionazin	41	U
Toxaphene	200	U
S7SB-14 AS1535 IT(1994) 0 ft		
INORGANICS (mg/kg)		
Antimony	3.6	U
Arsenic	4.9	
Barium	4	B
Beryllium	0.12	U
Cadmium	0.59	U
Chromium	4.2	
Cobalt	2.4	U
Copper	1.2	U
Lead	4.5	
Mercury	0.03	
Nickel	2.4	U
Selenium	1.2	U
Silver	0.59	U
Thallium	0.24	U
Tin	3.6	U
Vanadium	1.2	U
Zinc	6.7	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.8	U
1,3-dichlorobenzene	3.9	U
1,4-dichlorobenzene	2.9	U
2,4,6-trichlorophenol	4200	U
2,4-dichlorophenol	4200	U
2,4-dimethylphenol	4200	U
2,4-dinitrophenol	21000	U
2-chlorophenol	4200	U
2-methyl-4,6-dinitrophenol	21000	U
2-nitrophenol	4200	U
4-chloro-3-methylphenol	4200	U
4-nitrophenol	21000	U
Acenaphthene	12	U
Acenaphthylene	12	U
Anthracene	9.7	U
Benzo(a)anthracene	9.7	U
Benzo(a)pyrene	9.7	U
Benzo(b)fluoranthene	9.7	U
Benzo(g,h,i)perylene	9.7	U
Benzo(k)fluoranthene	9.7	U
Chrysene	9.7	U

PARAMETER	RESULT	QUAL
Dibenzo(a,h)anthracene	12	U
Fluoranthene	9.7	U
Fluorene	9.7	U
Indeno(1,2,3-cd)pyrene	9.7	U
Naphthalene	12	U
Pentachlorophenol	21000	U
Phenanthrene	15	U
Phenol	4200	U
Pyrene	9.7	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.9	U
1,1-dichloroethene	1.6	U
1,2,3-trichloropropane	1.2	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.2	U
2-chloroethyl vinyl ether	1.6	U
Benzene	2.4	U
Bis(2-chloroisopropyl)ether	24	U
Bromobenzene	2.4	U
Bromodichloromethane	1.2	U
Bromoform	2.4	U
Bromomethane	1.5	U
Carbon tetrachloride	1.5	U
Chlorobenzene	2.4	U
Chloroethane	6.3	U
Chloroform	0.6	U
Chloromethane	1	U
Chlorotoluene	1.2	U
Cis-1,2-dichloroethene	1.2	U
Cis-1,3-dichloropropene	4.1	U
Dibromochloromethane	1.1	U
Dibromomethane	2.4	U
Dichlorodifluoromethane	2.2	U
Ethylbenzene	2.4	U
Methylene chloride	18	U
Tetrachloroethene	0.4	U
Toluene	2.4	U
Trans-1,2-dichloroethene	1.2	U
Trans-1,3-dichloropropene	4.1	U
Trichloroethene	1.5	U
Trichlorofluoromethane	2.4	U
Vinyl chloride	2.2	U
Xylenes, total	1.2	U
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	40	U

PARAMETER	RESULT	QUAL
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
S7SB-18 AS1550 IT(1994) 0 ft		
INORGANICS (mg/kg)		
Antimony	3.1	U
Arsenic	4.5	
Barium	4.9	B
Beryllium	0.1	U
Cadmium	0.52	U
Chromium	3.3	
Cobalt	2.1	U
Copper	1	U
Lead	0.3	B
Mercury	0.02	U
Nickel	2.1	U
Selenium	0.21	U
Silver	0.52	U
Thallium	0.21	U
Tin	3.1	U
Vanadium	1	U
Zinc	1.5	B
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
2,4,6-trichlorophenol	380	U
2,4-dichlorophenol	380	U
2,4-dimethylphenol	380	U
2,4-dinitrophenol	1900	U
2-chlorophenol	380	U
2-methyl-4,6-dinitrophenol	1900	U
2-nitrophenol	380	U
4-chloro-3-methylphenol	380	U
4-nitrophenol	1900	U
Acenaphthene	12	U
Acenaphthylene	12	U
Anthracene	9.9	U
Benzo(a)anthracene	9.9	U
Benzo(a)pyrene	9.9	U
Benzo(b)fluoranthene	9.9	U
Benzo(g,h,i)perylene	9.9	U
Benzo(k)fluoranthene	9.9	U
Chrysene	9.9	U
Dibenzo(a,h)anthracene	9.9	U
Fluoranthene	9.9	U
Fluorene	9.9	U
Indeno(1,2,3-cd)pyrene	9.9	U

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PARAMETER	RESULT	QUAL
Naphthalene	12	U
Pentachlorophenol	1900	U
Phenanthrene	9.9	U
Phenol	380	U
Pyrene	9.9	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U

PARAMETER	RESULT	QUAL
Aroclor-1260	90	U
S7SB-3 AS1538 IT(1994) 0 ft		
INORGANICS (mg/kg)		
Antimony	3.4	U
Arsenic	0.71	B
Barium	7.6	B
Beryllium	0.14	B
Cadmium	0.56	U
Chromium	3.9	
Cobalt	2.2	U
Copper	1.1	U
Lead	0.22	U
Mercury	0.02	U
Nickel	2.2	U
Selenium	0.22	U
Silver	0.56	U
Thallium	0.22	U
Tin	3.4	U
Vanadium	1.1	U
Zinc	1.1	B
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	2	U
1,3-dichlorobenzene	4.3	U
1,4-dichlorobenzene	3.2	U
2,4,6-trichlorophenol	5400	U
2,4-dichlorophenol	5400	U
2,4-dimethylphenol	5400	U
2,4-dinitrophenol	27000	U
2-chlorophenol	5400	U
2-methyl-4,6-dinitrophenol	27000	U
2-nitrophenol	5400	U
4-chloro-3-methylphenol	5400	U
4-nitrophenol	27000	U
Acenaphthene	21	U
Acenaphthylene	21	U
Anthracene	11	U
Benzo(a)anthracene	11	U
Benzo(a)pyrene	11	U
Benzo(b)fluoranthene	11	U
Benzo(g,h,i)perylene	11	U
Benzo(k)fluoranthene	11	U
Chrysene	11	U
Dibenzo(a,h)anthracene	11	U
Fluoranthene	11	U
Fluorene	11	U
Indeno(1,2,3-cd)pyrene	11	U
Naphthalene	21	U
Pentachlorophenol	27000	U
Phenanthrene	11	U
Phenol	5400	U

PARAMETER	RESULT	QUAL
Pyrene	11	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.3	U
1,1-dichloroethane	0.9	U
1,1-dichloroethene	1.7	U
1,2,3-trichloropropane	1.3	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.5	U
1-chlorohexane	1.3	U
2-chloroethyl vinyl ether	1.7	U
Benzene	2.7	U
Bis(2-chloroisopropyl)ether	27	U
Bromobenzene	2.7	U
Bromodichloromethane	1.3	U
Bromoform	2.7	U
Bromomethane	1.6	U
Carbon tetrachloride	1.6	U
Chlorobenzene	2.7	U
Chloroethane	7	U
Chloroform	0.7	U
Chloromethane	1.1	U
Chlorotoluene	1.3	U
Cis-1,2-dichloroethene	1.3	U
Cis-1,3-dichloropropene	4.6	U
Dibromochloromethane	1.2	U
Dibromomethane	2.7	U
Dichlorodifluoromethane	2.4	U
Ethylbenzene	2.7	U
Methylene chloride	20	U
Tetrachloroethene	0.4	U
Toluene	2.7	U
Trans-1,2-dichloroethene	1.3	U
Trans-1,3-dichloropropene	4.6	U
Trichloroethene	1.6	U
Trichlorofluoromethane	2.7	U
Vinyl chloride	2.4	U
Xylenes, total	1.3	U
S7SB-5 AS1540 IT(1994) 0 ft		
INORGANICS (mg/kg)		
Antimony	3.2	U
Arsenic	1.2	
Barium	6.8	B
Beryllium	0.14	B
Cadmium	0.54	U
Chromium	5.2	
Cobalt	2.2	U
Copper	1.1	U

PARAMETER	RESULT	QUAL
Cyanide	13	U
Lead	0.48	B
Mercury	0.06	
Nickel	2.2	U
Selenium	0.65	U
Silver	0.54	U
Thallium	0.22	U
Tin	3.2	U
Vanadium	2	B
Zinc	2.2	
MISCELLANEOUS (mg/kg)		
Sulfide	2	U
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	440	U
1,2,4-trichlorobenzene	440	U
1,2-dichlorobenzene	440	U
1,3,5-trinitrobenzene	440	U
1,3-dichlorobenzene	440	U
1,3-dinitrobenzene	440	U
1,4-dichlorobenzene	440	U
1,4-dioxane	1300	U
1,4-naphthoquinone	440	U
1-naphthylamine	5400	U
2,3,4,6-tetrachlorophenol	440	U
2,4,5-trichlorophenol	2100	U
2,4,6-trichlorophenol	440	U
2,4-dichlorophenol	440	U
2,4-dimethylphenol	440	U
2,4-dinitrophenol	2100	U
2,4-dinitrotoluene	440	U
2,6-dinitrotoluene	440	U
2-acetylaminofluorene	440	U
2-chloronaphthalene	440	U
2-chlorophenol	440	U
2-methyl-4,6-dinitrophenol	2100	U
2-methylnaphthalene	440	U
2-methylphenol	440	U
2-naphthylamine	7600	U
2-nitroaniline	2100	U
2-nitrophenol	440	U
2-picoline	3100	U
3,3'-dichlorobenzidine	890	U
3,3'-dimethylbenzidine	3600	U
3-methylcholanthrene	1300	U
3-methylphenol	440	U
3-nitroaniline	2100	U
4-aminobiphenyl	2200	U
4-bromophenyl phenyl ether	440	U
4-chloro-3-methylphenol	440	U
4-chloroaniline	440	U

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PARAMETER	RESULT	QUAL
4-chlorophenyl phenyl ether	440	U
4-methylphenol	440	U
4-nitroaniline	2100	U
4-nitrophenol	2100	U
4-nitroquinoline-1-oxide	440	U
5-nitro-o-toluidine	900	U
7,12-dimethylbenz(a)anthracene	900	U
a,a-dimethylphenethylamine	440	U
Acenaphthene	440	U
Acenaphthylene	440	U
Acetophenone	440	U
Aniline	440	U
Anthracene	440	U
Aramite	440	U
Benzo(a)anthracene	440	U
Benzo(a)pyrene	440	U
Benzo(b)fluoranthene	440	U
Benzo(g,h,i)perylene	440	U
Benzo(k)fluoranthene	440	U
Benzoic acid	2100	U
Benzyl alcohol	440	U
Bis(2-chloroethoxy)methane	440	U
Bis(2-chloroethyl)ether	440	U
Bis(2-ethylhexyl)phthalate	120	BJ
Butyl benzyl phthalate	440	U
Chrysene	440	U
Di-n-butyl phthalate	440	U
Di-n-octyl phthalate	440	U
Diallate	440	U
Dibenzo(a,h)anthracene	440	U
Dibenzofuran	440	U
Diethyl phthalate	440	U
Dimethyl phthalate	440	U
Diphenylamine	440	U
Ethyl methacrylate	13	U
Ethyl methanesulfonate	440	U
Fluoranthene	440	U
Fluorene	440	U
Hexachlorobenzene	440	U
Hexachlorobutadiene	440	U
Hexachlorocyclopentadiene	440	U
Hexachloroethane	440	U
Hexachlorophene	2300	U
Hexachloropropene	900	U
Indeno(1,2,3-cd)pyrene	440	U
Isophorone	440	U
Isosafrole	440	U
Methapyrilene	1800	U
Methyl methanesulfonate	440	U
N-nitroso-di-n-butylamine	900	U

PARAMETER	RESULT	QUAL
N-nitroso-di-n-propylamine	440	U
N-nitrosodiethylamine	440	U
N-nitrosodimethylamine	440	U
N-nitrosodiphenylamine	440	U
N-nitrosomethylethylamine	440	U
N-nitrosopiperidine	440	U
N-nitrosopyrrolidine	440	U
Naphthalene	440	U
Nitrobenzene	440	U
o,o,o-triethylphosphorothioate	440	U
o-toluidine	440	U
p-dimethylaminoazobenzene	1300	U
p-phenylenediamine	2200	U
Pentachlorobenzene	900	U
Pentachloroethane	900	U
Pentachloronitrobenzene	900	U
Pentachlorophenol	2100	U
Phenacetin	440	U
Phenanthrene	440	U
Phenol	440	U
Pronamide	1300	U
Pyrene	440	U
Pyridine	440	U
Safrole	440	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	7	U
1,1,1-trichloroethane	7	U
1,1,2,2-tetrachloroethane	7	U
1,1,2-trichloroethane	7	U
1,1-dichloroethane	7	U
1,1-dichloroethene	7	U
1,2,3-trichloropropane	7	U
1,2-dibromo-3-chloropropane	7	U
1,2-dibromoethane	7	U
1,2-dichloroethane	7	U
1,2-dichloropropane	7	U
2-butanone	13	U
2-chloro-1,3-butadiene	7	U
2-hexanone	13	U
3-chloropropene	7	U
4-methyl-2-pentanone	13	U
Acetone	83	
Acetonitrile	130	U
Acrolein	13	U
Acrylonitrile	13	U
Benzene	7	U
Bis(2-chloroisopropyl)ether	440	U
Bromodichloromethane	7	U
Bromoform	7	U
Bromomethane	13	U

PARAMETER	RESULT	QUAL
Carbon disulfide	7	U
Carbon tetrachloride	7	U
Chlorobenzene	7	U
Chloroethane	13	U
Chloroform	7	U
Chloromethane	13	U
Cis-1,2-dichloroethene	2	J
Cis-1,3-dichloropropene	7	U
Dibromochloromethane	7	U
Dibromomethane	7	U
Dichlorodifluoromethane	26	U
Ethyl cyanide	130	U
Ethylbenzene	7	U
Iodomethane	7	U
Methacrylonitrile	13	U
Methyl methacrylate	13	U
Methylene chloride	28	B
Styrene	7	U
Tetrachloroethene	7	U
Toluene	1	J
Trans-1,2-dichloroethene	7	U
Trans-1,3-dichloropropene	7	U
Trans-1,4-dichloro-2-butene	26	U
Trichloroethene	7	U
Trichlorofluoromethane	7	U
Vinyl acetate	13	U
Vinyl chloride	13	U
Xylenes, total	7	U
PESTICIDES/PCBs (µg/kg)		
2,4,5-T	130	U
2,4,5-TP (silvex)	130	U
2,4-D	130	U
4,4'-DDD	21	U
4,4'-DDE	21	U
4,4'-DDT	21	U
Aldrin	10	U
alpha-BHC	10	U
alpha-chlordane	100	U
Aroclor-1016	100	U
Aroclor-1221	100	U
Aroclor-1232	100	U
Aroclor-1242	100	U
Aroclor-1248	100	U
Aroclor-1254	210	U
Aroclor-1260	210	U
beta-BHC	10	U
Chlorobenzilate	100	U
delta-BHC	10	U
Dieldrin	21	U
Dimethoate	43	U

PARAMETER	RESULT	QUAL
Dinoseb	900	U
Disulfoton	43	U
Endosulfan I	10	U
Endosulfan II	21	U
Endosulfan sulfate	21	U
Endrin	21	U
Endrin ketone	21	U
Famphur	43	U
gamma-BHC (lindane)	10	U
gamma-chlordane	100	U
Heptachlor	10	U
Heptachlor epoxide	10	U
Isodrin	10	U
Kepone	21	U
Methoxychlor	100	U
Methyl parathion	43	U
Parathion	43	U
Phorate	43	U
Sulfotep	43	U
Thionazin	43	U
Toxaphene	210	U
S7SB-7 AS1542 IT(1994) 0 ft		
INORGANICS (mg/kg)		
Antimony	4.7	B
Arsenic	0.57	B
Barium	4.6	B
Beryllium	0.13	B
Cadmium	0.57	U
Chromium	31.5	
Cobalt	2.3	U
Copper	5.7	
Lead	36.5	
Mercury	0.03	
Nickel	2.3	U
Selenium	0.23	U
Silver	0.57	U
Thallium	0.23	U
Tin	3.4	U
Vanadium	1.3	B
Zinc	208	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
2,4,6-trichlorophenol	3900	U
2,4-dichlorophenol	3900	U
2,4-dimethylphenol	3900	U
2,4-dinitrophenol	19000	U
2-chlorophenol	3900	U
2-methyl-4,6-dinitrophenol	19000	U
2-nitrophenol	3900	U
4-chloro-3-methylphenol	3900	U
4-nitrophenol	19000	U

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PARAMETER	RESULT	QUAL
Acenaphthene	18	U
Acenaphthylene	18	U
Anthracene	8.9	U
Benzo(a)anthracene	8.9	U
Benzo(a)pyrene	8.9	U
Benzo(b)fluoranthene	8.9	U
Benzo(g,h,i)perylene	8.9	U
Benzo(k)fluoranthene	8.9	U
Chrysene	8.9	U
Dibenzo(a,h)anthracene	8.9	U
Fluoranthene	8.9	U
Fluorene	8.9	U
Indeno(1,2,3-cd)pyrene	8.9	U
Naphthalene	18	U
Pentachlorophenol	19000	U
Phenanthrene	15	U*
Phenol	3900	U
Pyrene	8.9	U
S7SB-9 AS1537/49-AVG IT(1994) 0 ft		
INORGANICS (mg/kg)		
Antimony	4.9	B
Arsenic	1.795	B
Barium	5.75	B
Beryllium	0.12	U
Cadmium	0.605	U
Chromium	3.55	
Cobalt	2.4	U
Copper	1.2	U
Lead	4.45	
Mercury	0.02	U
Nickel	2.4	U
Selenium	0.365	U
Silver	0.605	U
Thallium	0.24	U
Tin	3.6	U
Vanadium	1.2	U
Zinc	3.75	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
2,4,6-trichlorophenol	380	U
2,4-dichlorophenol	380	U
2,4-dimethylphenol	380	U
2,4-dinitrophenol	1900	U
2-chlorophenol	380	U
2-methyl-4,6-dinitrophenol	1900	U
2-nitrophenol	380	U
4-chloro-3-methylphenol	380	U
4-nitrophenol	1900	U

PARAMETER	RESULT	QUAL
Acenaphthene	12.5	U
Acenaphthylene	12.5	U
Anthracene	9.95	U
Benzo(a)anthracene	9.95	U
Benzo(a)pyrene	15	U
Benzo(b)fluoranthene	9.95	U
Benzo(g,h,i)perylene	9.95	U
Benzo(k)fluoranthene	9.95	U
Chrysene	9.95	U
Dibenzo(a,h)anthracene	9.95	U
Fluoranthene	9.95	U
Fluorene	9.95	U
Indeno(1,2,3-cd)pyrene	9.95	U
Naphthalene	33	U
Pentachlorophenol	1900	U
Phenanthrene	9.95	U
Phenol	380	U
Pyrene	9.95	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U

PARAMETER	RESULT	QUAL
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
S7CONF-1(C) KW2633 BEI(C) 0 ft		
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	21	U
Aroclor-1221	21	U
Aroclor-1232	21	U
Aroclor-1242	21	U
Aroclor-1248	21	U
Aroclor-1254	21	U
Aroclor-1260	230	
S7CONF-2(C) KW2634/35-AVG BEI(C) 0 ft		
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	4600	U
Aroclor-1221	4600	U
Aroclor-1232	4600	U
Aroclor-1242	4600	U
Aroclor-1248	4600	U
Aroclor-1254	4600	U
Aroclor-1260	16500	
S7CONF-4(C) KW2636 BEI(C) 0 ft		
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	200	U
Aroclor-1221	200	U
Aroclor-1232	200	U
Aroclor-1242	200	U
Aroclor-1248	200	U
Aroclor-1254	200	U
Aroclor-1260	730	
S7CONF-5(C) KW2637 BEI(C) 0 ft		
PESTICIDES/PCBs (µg/kg)		
Aroclor-1016	2100	U
Aroclor-1221	2100	U
Aroclor-1232	2100	U
Aroclor-1242	2100	U
Aroclor-1248	2100	U
Aroclor-1254	2100	U

PARAMETER	RESULT	QUAL
Aroclor-1260	10000	P
S7SB-21 S7SB-21 B&RE 0 ft		
INORGANICS (mg/kg)		
Aluminum	2570	
Antimony	0.5	UJ
Arsenic	5.3	
Barium	7.8	
Beryllium	0.05	U
Cadmium	0.42	U
Chromium	5.6	
Cobalt	0.38	
Copper	20.4	
Cyanide	0.09	UJ
Iron	3090	
Lead	172	
Manganese	15.2	
Mercury	0.04	
Nickel	2.1	
Selenium	0.79	J
Silver	0.25	U
Thallium	0.5	UJ
Vanadium	5.1	
Zinc	6.6	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	1.6	J
1,3-dichlorobenzene	2.6	U
1,4-dichlorobenzene	2.6	U
Acenaphthene	1720	U
Acenaphthylene	1720	U
Anthracene	1720	U
Benzo(a)anthracene	1720	U
Benzo(a)pyrene	1720	U
Benzo(b)fluoranthene	1720	U
Benzo(g,h,i)perylene	1720	U
Benzo(k)fluoranthene	1720	U
Chrysene	1720	U
Dibenzo(a,h)anthracene	1720	U
Fluoranthene	1720	U
Fluorene	1720	U
Indeno(1,2,3-cd)pyrene	1720	U
Naphthalene	1720	U
Phenanthrene	1720	U
Pyrene	1720	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
Benzene	2.6	U
Chlorobenzene	2.6	U
Ethylbenzene	2.6	U
Toluene	3	U
Xylenes, total	7.8	U

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PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
2,4,5-T	2.6	U
2,4,5-TP (silvex)	2.6	U
2,4-D	2.6	U
4,4'-DDD	2.7	
4,4'-DDE	4	
4,4'-DDT	2.1	J
Aldrin	0.86	U
alpha-BHC	0.86	U
Aroclor-1016	5.4	U
Aroclor-1221	5.4	U
Aroclor-1232	5.4	U
Aroclor-1242	5.4	U
Aroclor-1248	5.4	U
Aroclor-1254	5.4	U
Aroclor-1260	5.4	U
beta-BHC	0.86	U
Chlordane	10.8	U
delta-BHC	0.86	U
Dieldrin	1.7	U
Endosulfan I	2.3	J
Endosulfan II	1.2	J
Endosulfan sulfate	1.7	U
Endrin	1.7	U
Endrin aldehyde	2.5	J
gamma-BHC (lindane)	0.86	U
Heptachlor	2.8	
Heptachlor epoxide	0.89	
Methoxychlor	8.6	U
Methyl parathion	2.2	U
Parathion	2.2	U
Phorate	2.2	U
Toxaphene	43.1	U
S7SB-22 S7SB-22	**B&RE**	**0 ft**
INORGANICS (mg/kg)		
Aluminum	2650	
Antimony	1.7	U
Arsenic	2.4	U
Barium	14.6	
Beryllium	0.03	U
Cadmium	0.6	U
Chromium	6.4	
Cobalt	0.31	U
Copper	67.2	
Cyanide	0.1	UJ
Iron	1730	
Lead	71.3	
Manganese	26.1	
Mercury	0.05	
Nickel	2.4	

PARAMETER	RESULT	QUAL
Selenium	1	J
Silver	0.31	U
Thallium	0.61	UJ
Vanadium	3.7	
Zinc	32.5	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	3.1	U
1,3-dichlorobenzene	3.1	U
1,4-dichlorobenzene	3.1	U
Acenaphthene	2030	U
Acenaphthylene	2030	U
Anthracene	2030	U
Benzo(a)anthracene	406	J
Benzo(a)pyrene	2030	U
Benzo(b)fluoranthene	972	J
Benzo(g,h,i)perylene	2030	U
Benzo(k)fluoranthene	2030	U
Chrysene	570	J
Dibenzo(a,h)anthracene	2030	U
Fluoranthene	704	J
Fluorene	2030	U
Indeno(1,2,3-cd)pyrene	2030	U
Naphthalene	2030	U
Phenanthrene	2030	U
Pyrene	665	J
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
Benzene	3.1	U
Chlorobenzene	3.1	U
Ethylbenzene	3.1	U
Toluene	2.6	U
Xylenes, total	9.4	U
PESTICIDES/PCBs (µg/kg)		
2,4,5-T	3.1	U
2,4,5-TP (silvex)	3.1	U
2,4-D	3.1	U
4,4'-DDD	15.4	
4,4'-DDE	20.1	
4,4'-DDT	21.6	
Aldrin	5.1	U
alpha-BHC	5.1	U
Aroclor-1016	32.1	U
Aroclor-1221	32.1	U
Aroclor-1232	32.1	U
Aroclor-1242	32.1	U
Aroclor-1248	32.1	U
Aroclor-1254	32.1	U
Aroclor-1260	32.1	U
beta-BHC	5.1	U
Chlordane	64.1	U
delta-BHC	5.1	U

PARAMETER	RESULT	QUAL
Dieldrin	10.2	U
Endosulfan I	5.9	
Endosulfan II	10.2	U
Endosulfan sulfate	10.2	U
Endrin	7.1	J
Endrin aldehyde	10.2	U
gamma-BHC (lindane)	5.1	U
Heptachlor	5.1	U
Heptachlor epoxide	5.1	U
Methoxychlor	51.3	U
Methyl parathion	12.8	U
Parathion	12.8	U
Phorate	12.8	U
Toxaphene	256	U
S7SB-23 S7SB-23-AVG	**B&RE**	**0 ft**
INORGANICS (mg/kg)		
Aluminum	5195	
Antimony	1.1	J
Arsenic	3.65	U
Barium	18.8	
Beryllium	0.115	U
Cadmium	0.75	
Chromium	12.1	
Cobalt	0.37	
Copper	36.05	
Cyanide	0.105	UJ
Iron	3785	
Lead	252.5	
Manganese	32.2	
Mercury	0.075	
Nickel	3.7	
Selenium	1.45	J
Silver	0.34	
Thallium	0.575	UJ
Vanadium	8.5	
Zinc	76.4	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	2415	
1,3-dichlorobenzene	481.5	
1,4-dichlorobenzene	352.25	
Acenaphthene	1960	U
Acenaphthylene	1960	U
Anthracene	1960	U
Benzo(a)anthracene	1960	U
Benzo(a)pyrene	1960	U
Benzo(b)fluoranthene	1960	U
Benzo(g,h,i)perylene	1960	U
Benzo(k)fluoranthene	1960	U
Chrysene	1960	U
Dibenzo(a,h)anthracene	1960	U

PARAMETER	RESULT	QUAL
Fluoranthene	1960	U
Fluorene	1960	U
Indeno(1,2,3-cd)pyrene	1960	U
Naphthalene	1960	U
Phenanthrene	1960	U
Pyrene	1960	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
Benzene	59.3	U
Chlorobenzene	117	
Ethylbenzene	91.25	
Toluene	59.5	U
Xylenes, total	958	
PESTICIDES/PCBs (µg/kg)		
2,4,5-T	6.95	
2,4,5-TP (silvex)	4	
2,4-D	7.425	
4,4'-DDD	32.175	
4,4'-DDE	31.725	J
4,4'-DDT	25.725	J
Aldrin	19.65	U
alpha-BHC	21.6	
Aroclor-1016	123	U
Aroclor-1221	123	U
Aroclor-1232	123	U
Aroclor-1242	123	U
Aroclor-1248	123	U
Aroclor-1254	123	U
Aroclor-1260	123	U
beta-BHC	19.65	U
Chlordane	246	U
delta-BHC	19.65	U
Dieldrin	39.35	U
Endosulfan I	14.85	J
Endosulfan II	39.35	U
Endosulfan sulfate	39.35	U
Endrin	23.775	J
Endrin aldehyde	39.35	U
gamma-BHC (lindane)	19.65	U
Heptachlor	19.65	U
Heptachlor epoxide	19.65	U
Methoxychlor	196.5	U
Methyl parathion	49.2	U
Parathion	49.2	U
Phorate	49.2	U
Toxaphene	986	U
S7SB-24 S7SB-24	**B&RE**	**0 ft**
INORGANICS (mg/kg)		
Aluminum	1780	
Antimony	1.8	U
Arsenic	2.1	U

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PARAMETER	RESULT	QUAL
Barium	17.1	
Beryllium	0.03	U
Cadmium	0.42	
Chromium	5.7	
Cobalt	0.29	
Copper	57.1	
Cyanide	0.09	UJ
Iron	1430	
Lead	78.3	
Manganese	21.3	
Mercury	0.05	
Nickel	1.8	
Selenium	0.5	UJ
Silver	0.25	U
Thallium	0.5	UJ
Vanadium	2.7	
Zinc	29.5	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2-dichlorobenzene	2.5	U
1,3-dichlorobenzene	2.5	U
1,4-dichlorobenzene	2.5	U
Acenaphthene	1670	U
Acenaphthylene	1670	U
Anthracene	1670	U
Benzo(a)anthracene	1640	J
Benzo(a)pyrene	2040	
Benzo(b)fluoranthene	3340	
Benzo(g,h,i)perylene	1460	J
Benzo(k)fluoranthene	1670	U
Chrysene	1950	
Dibenzo(a,h)anthracene	1670	U
Fluoranthene	3020	
Fluorene	1670	U
Indeno(1,2,3-cd)pyrene	1480	J
Naphthalene	1670	U
Phenanthrene	106	J
Pyrene	2410	
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
Benzene	2.5	U
Chlorobenzene	2.5	U
Ethylbenzene	2.5	U
Toluene	3	U
Xylenes, total	7.6	U
PESTICIDES/PCBs (µg/kg)		
2,4,5-T	25	U
2,4,5-TP (silvex)	25	U
2,4-D	25	U
4,4'-DDD	11.5	
4,4'-DDE	23.3	
4,4'-DDT	9.3	J

PARAMETER	RESULT	QUAL
Aldrin	4.2	U
alpha-BHC	4.2	U
Aroclor-1016	26.2	U
Aroclor-1221	26.2	U
Aroclor-1232	26.2	U
Aroclor-1242	26.2	U
Aroclor-1248	26.2	U
Aroclor-1254	26.2	U
Aroclor-1260	26.2	U
beta-BHC	4.2	U
Chlordane	52.5	U
delta-BHC	4.2	U
Dieldrin	8.4	U
Endosulfan I	4.2	U
Endosulfan II	8.4	U
Endosulfan sulfate	8.4	U
Endrin	8.4	U
Endrin aldehyde	8.4	U
gamma-BHC (lindane)	4.2	U
Heptachlor	4.2	U
Heptachlor epoxide	4.2	U
Methoxychlor	42	U
Methyl parathion	10.5	U
Parathion	10.5	U
Phorate	10.5	U
Toxaphene	210	U

PARAMETER	RESULT	QUAL

PARAMETER	RESULT	QUAL

APPENDIX H-3

Keywest MOD01 Sup mental RFI/RI Sites
Sedimen Data Set

PARAMETER	RESULT	QUAL
AOC B		
ABSB-2(IT) AS1200 IT(1994) 0 in		
INORGANICS (mg/kg)		
Antimony	6.4	U
Arsenic	6.4	
Barium	44.9	
Beryllium	0.21	U
Cadmium	9	
Chromium	11.5	
Cobalt	4.3	U
Copper	76.3	
Lead	84.7	
Mercury	0.04	U
Nickel	16.2	
Selenium	0.43	U
Silver	1.1	U
Thallium	0.43	U
Tin	12.2	B
Vanadium	2.1	U
Zinc	1260	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	3.1	U
1,3-dichlorobenzene	6.5	U
1,4-dichlorobenzene	4.9	U
Acenaphthene	40	U
Acenaphthylene	40	U
Anthracene	32	U
Benzo(a)anthracene	32	U
Benzo(a)pyrene	32	U
Benzo(b)fluoranthene	32	U
Benzo(g,h,i)perylene	32	U
Benzo(k)fluoranthene	3400	U*
Chrysene	32	U
Dibenzo(a,h)anthracene	32	U
Fluoranthene	92	U*
Fluorene	32	U
Indeno(1,2,3-cd)pyrene	32	U
Naphthalene	40	U
Phenanthrene	55	
Pyrene	72	U*
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.6	U
1,1,1-trichloroethane	0.6	U
1,1,2,2-tetrachloroethane	0.6	U
1,1,2-trichloroethane	0.4	U
1,1-dichloroethane	1.4	U
1,1-dichloroethene	2.7	U
1,2,3-trichloropropane	2	U
1,2-dichloroethane	0.6	U
1,2-dichloropropane	0.8	U
1-chlorohexane	2	U
2-chloroethyl vinyl ether	2.7	U
Benzene	4.1	U
Bis(2-chloroisopropyl)ether	41	U
Bromobenzene	4.1	U
Bromodichloromethane	2	U
Bromoform	4.1	U
Bromomethane	2.5	U
Carbon tetrachloride	2.5	U
Chlorobenzene	4.1	U
Chloroethane	11	U
Chloroform	1	U
Chloromethane	1.6	U
Chlorotoluene	2	U
Cis-1,2-dichloroethene	2	U
Cis-1,3-dichloropropene	7	U
Dibromochloromethane	1.8	U
Dibromomethane	4.1	U
Dichlorodifluoromethane	3.7	U
Ethylbenzene	4.1	U
Methylene chloride	31	U
Tetrachloroethene	0.6	U
Toluene	4.1	U
Trans-1,2-dichloroethene	2	U
Trans-1,3-dichloropropene	7	U
Trichloroethene	2.5	U
Trichlorofluoromethane	4.1	U
Vinyl chloride	3.7	U
Xylenes, total	2	U
PESTICIDES/PCBs		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
ABSB-9(IT) AS1169 IT(1994) 0 in		
INORGANICS (mg/kg)		
Antimony	17.3	U
Arsenic	27.1	
Barium	24.7	B
Beryllium	1.5	B
Cadmium	15.6	
Chromium	17.8	
Cobalt	11.6	U
Copper	84.6	
Lead	237	
Mercury	0.22	
Nickel	15.3	B
Selenium	3.5	U
Silver	2.9	U
Thallium	6.9	U
Tin	17.3	U
Vanadium	17.5	B
Zinc	2590	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	8.6	U
1,3-dichlorobenzene	18	U
1,4-dichlorobenzene	14	U
Acenaphthene	580	U
Acenaphthylene	580	U
Anthracene	470	U
Benzo(a)anthracene	470	U
Benzo(a)pyrene	9000	U*
Benzo(b)fluoranthene	470	U
Benzo(g,h,i)perylene	470	U
Benzo(k)fluoranthene	470	U
Chrysene	470	U
Dibenzo(a,h)anthracene	470	U
Fluoranthene	620	U*
Fluorene	470	U
Indeno(1,2,3-cd)pyrene	470	U
Naphthalene	580	U
Phenanthrene	580	U*
Pyrene	470	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	1.7	U
1,1,1-trichloroethane	1.7	U
1,1,2,2-tetrachloroethane	1.7	U
1,1,2-trichloroethane	1.2	U
1,1-dichloroethane	4	U
1,1-dichloroethene	7.5	U
1,2,3-trichloropropane	5.8	U
1,2-dichloroethane	1.7	U
1,2-dichloropropane	2.3	U
1-chlorohexane	5.8	U
2-chloroethyl vinyl ether	7.5	U
Benzene	12	U
Bis(2-chloroisopropyl)ether	120	U
Bromobenzene	12	U
Bromodichloromethane	5.8	U
Bromoform	12	U
Bromomethane	6.9	U
Carbon tetrachloride	6.9	U
Chlorobenzene	12	U
Chloroethane	30	U
Chloroform	2.9	U
Chloromethane	4.6	U
Chlorotoluene	5.8	U
Cis-1,2-dichloroethene	5.8	U
Cis-1,3-dichloropropene	20	U
Dibromochloromethane	5.2	U
Dibromomethane	12	U
Dichlorodifluoromethane	10	U
Ethylbenzene	12	U
Methylene chloride	86	U
Tetrachloroethene	1.7	U
Toluene	12	U
Trans-1,2-dichloroethene	5.8	U
Trans-1,3-dichloropropene	20	U
Trichloroethene	6.9	U
Trichlorofluoromethane	12	U
Vinyl chloride	10	U
Xylenes, total	5.8	U
PESTICIDES/PCBs		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
ABSS-3(IT) AS1176 IT(1994) 6 in		
INORGANICS (mg/kg)		
Antimony	7.1	U
Arsenic	1.1	B
Barium	5.4	B
Beryllium	0.24	U
Cadmium	1.2	U
Chromium	6.5	
Cobalt	4.7	U
Copper	17.4	
Lead	7.7	
Mercury	0.05	U
Nickel	4.7	U
Selenium	0.47	U
Silver	1.2	U
Thallium	0.47	U
Tin	7.1	U
Vanadium	2.4	B
Zinc	146	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	3.7	U
1,3-dichlorobenzene	7.9	U
1,4-dichlorobenzene	5.9	U
Acenaphthene	24	U
Acenaphthylene	24	U
Anthracene	20	U
Benzo(a)anthracene	20	U
Benzo(a)pyrene	20	U
Benzo(b)fluoranthene	20	U

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PARAMETER	RESULT	QUAL
AOC B		
ABSB-2(IT) AS1200 IT(1994) 0 in		
INORGANICS (mg/kg)		
Antimony	6.4	U
Arsenic	6.4	
Barium	44.9	
Beryllium	0.21	U
Cadmium	9	
Chromium	11.5	
Cobalt	4.3	U
Copper	76.3	
Lead	84.7	
Mercury	0.04	U
Nickel	16.2	
Selenium	0.43	U
Silver	1.1	U
Thallium	0.43	U
Tin	12.2	B
Vanadium	2.1	U
Zinc	1260	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	3.1	U
1,3-dichlorobenzene	6.5	U
1,4-dichlorobenzene	4.9	U
Acenaphthene	40	U
Acenaphthylene	40	U
Anthracene	32	U
Benzo(a)anthracene	32	U
Benzo(a)pyrene	32	U
Benzo(b)fluoranthene	32	U
Benzo(g,h,i)perylene	32	U
Benzo(k)fluoranthene	3400	U*
Chrysene	32	U
Dibenzo(a,h)anthracene	32	U
Fluoranthene	92	U*
Fluorene	32	U
Indeno(1,2,3-cd)pyrene	32	U
Naphthalene	40	U
Phenanthrene	55	
Pyrene	72	U*
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.6	U
1,1,1-trichloroethane	0.6	U
1,1,2,2-tetrachloroethane	0.6	U
1,1,2-trichloroethane	0.4	U
1,1-dichloroethane	1.4	U
1,1-dichloroethene	2.7	U
1,2,3-trichloropropane	2	U
1,2-dichloroethane	0.6	U
1,2-dichloropropane	0.8	U
1-chlorohexane	2	U
2-chloroethyl vinyl ether	2.7	U
Benzene	4.1	U
Bis(2-chloroisopropyl)ether	41	U
Bromobenzene	4.1	U
Bromodichloromethane	2	U
Bromoform	4.1	U
Bromomethane	2.5	U
Carbon tetrachloride	2.5	U
Chlorobenzene	4.1	U
Chloroethane	11	U
Chloroform	1	U
Chloromethane	1.6	U
Chlorotoluene	2	U
Cis-1,2-dichloroethene	2	U
Cis-1,3-dichloropropene	7	U
Dibromochloromethane	1.8	U
Dibromomethane	4.1	U
Dichlorodifluoromethane	3.7	U
Ethylbenzene	4.1	U
Methylene chloride	31	U
Tetrachloroethene	0.6	U
Toluene	4.1	U
Trans-1,2-dichloroethene	2	U
Trans-1,3-dichloropropene	7	U
Trichloroethene	2.5	U
Trichlorofluoromethane	4.1	U
Vinyl chloride	3.7	U
Xylenes, total	2	U
PESTICIDES/PCBs		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
ABSB-9(IT) AS1169 IT(1994) 0 in		
INORGANICS (mg/kg)		
Antimony	17.3	U
Arsenic	27.1	
Barium	24.7	B
Beryllium	1.5	B
Cadmium	15.6	
Chromium	17.8	
Cobalt	11.6	U
Copper	84.6	
Lead	237	
Mercury	0.22	
Nickel	15.3	B
Selenium	3.5	U
Silver	2.9	U
Thallium	6.9	U
Tin	17.3	U
Vanadium	17.5	B
Zinc	2590	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	8.6	U
1,3-dichlorobenzene	18	U
1,4-dichlorobenzene	14	U
Acenaphthene	580	U
Acenaphthylene	580	U
Anthracene	470	U
Benzo(a)anthracene	470	U
Benzo(a)pyrene	9000	U*
Benzo(b)fluoranthene	470	U
Benzo(g,h,i)perylene	470	U
Benzo(k)fluoranthene	470	U
Chrysene	470	U
Dibenzo(a,h)anthracene	470	U
Fluoranthene	620	U*
Fluorene	470	U
Indeno(1,2,3-cd)pyrene	470	U
Naphthalene	580	U
Phenanthrene	580	U*
Pyrene	470	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	1.7	U
1,1,1-trichloroethane	1.7	U
1,1,2,2-tetrachloroethane	1.7	U
1,1,2-trichloroethane	1.2	U
1,1-dichloroethane	4	U
1,1-dichloroethene	7.5	U
1,2,3-trichloropropane	5.8	U
1,2-dichloroethane	1.7	U
1,2-dichloropropane	2.3	U
1-chlorohexane	5.8	U
2-chloroethyl vinyl ether	7.5	U
Benzene	12	U
Bis(2-chloroisopropyl)ether	120	U
Bromobenzene	12	U
Bromodichloromethane	5.8	U
Bromoform	12	U
Bromomethane	6.9	U
Carbon tetrachloride	6.9	U
Chlorobenzene	12	U
Chloroethane	30	U
Chloroform	2.9	U
Chloromethane	4.6	U
Chlorotoluene	5.8	U
Cis-1,2-dichloroethene	5.8	U
Cis-1,3-dichloropropene	20	U
Dibromochloromethane	5.2	U
Dibromomethane	12	U
Dichlorodifluoromethane	10	U
Ethylbenzene	12	U
Methylene chloride	86	U
Tetrachloroethene	1.7	U
Toluene	12	U
Trans-1,2-dichloroethene	5.8	U
Trans-1,3-dichloropropene	20	U
Trichloroethene	6.9	U
Trichlorofluoromethane	12	U
Vinyl chloride	10	U
Xylenes, total	5.8	U
PESTICIDES/PCBs		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
ABSS-3(IT) AS1176 IT(1994) 6 in		
INORGANICS (mg/kg)		
Antimony	7.1	U
Arsenic	1.1	B
Barium	5.4	B
Beryllium	0.24	U
Cadmium	1.2	U
Chromium	6.5	
Cobalt	4.7	U
Copper	17.4	
Lead	7.7	
Mercury	0.05	U
Nickel	4.7	U
Selenium	0.47	U
Silver	1.2	U
Thallium	0.47	U
Tin	7.1	U
Vanadium	2.4	B
Zinc	146	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	3.7	U
1,3-dichlorobenzene	7.9	U
1,4-dichlorobenzene	5.9	U
Acenaphthene	24	U
Acenaphthylene	24	U
Anthracene	20	U
Benzo(a)anthracene	20	U
Benzo(a)pyrene	20	U
Benzo(b)fluoranthene	20	U

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PARAMETER	RESULT	QUAL
Thallium	0.122	U
Vanadium	1.21	U
Zinc	41	
ABD18 KW02001 BEI(D) 0 in		
INORGANICS (mg/kg)		
Aluminum	5470	
Antimony	11.9	U
Arsenic	2.59	
Barium	11.6	J
Beryllium	0.834	U
Cadmium	1.13	U
Chromium	9.57	J
Cobalt	4.06	J
Copper	3.21	J
Iron	2420	
Lead	18.2	U
Manganese	25.8	
Mercury	0.176	U
Nickel	5.83	J
Selenium	146	U
Silver	2.35	U
Thallium	0.0975	U
Vanadium	0.96	U
Zinc	54.1	
ABD19 KW02002 BEI(D) 0 in		
INORGANICS (mg/kg)		
Aluminum	4750	
Antimony	10.4	U
Arsenic	7.88	
Barium	32.4	
Beryllium	0.552	U
Cadmium	0.98	U
Chromium	35.4	
Cobalt	3.57	B
Copper	25.9	
Iron	12700	
Lead	44.7	
Manganese	55.7	
Mercury	0.156	U
Nickel	38.1	
Selenium	127	U
Silver	2.05	U
Thallium	0.0849	U
Vanadium	0.836	U
Zinc	450	
ABE13 KW02007 BEI(D) 0 in		
INORGANICS (mg/kg)		
Aluminum	4830	
Antimony	7.55	U

PARAMETER	RESULT	QUAL
Arsenic	10.2	
Barium	9.43	
Beryllium	0.402	U
Cadmium	1.91	J
Chromium	13	
Cobalt	2.39	J
Copper	16.1	
Iron	3350	
Lead	11.5	U
Manganese	11.4	
Mercury	0.377	U
Nickel	13.1	
Selenium	92.9	U
Silver	1.5	U
Thallium	0.31	U
Vanadium	40.5	
Zinc	442	
ABE13 KW02008 BEI(D) 12 in		
INORGANICS (mg/kg)		
Aluminum	2060	
Antimony	14	U
Arsenic	2.34	J
Barium	9.19	J
Beryllium	0.744	U
Cadmium	1.32	U
Chromium	5.7	J
Cobalt	3.04	J
Copper	3.19	U
Iron	1120	
Lead	21.3	U
Manganese	13.9	
Mercury	0.159	U
Nickel	3.73	U
Selenium	172	U
Silver	2.78	U
Thallium	0.114	U
Vanadium	1.13	U
Zinc	7.21	J
ABE19 KW02003 BEI(D) 0 in		
INORGANICS (mg/kg)		
Aluminum	3250	
Antimony	10	U
Arsenic	1.53	J
Barium	10.1	J
Beryllium	0.535	U
Cadmium	0.95	U
Chromium	4.69	J
Cobalt	2.43	J
Copper	2.29	U
Iron	1620	

PARAMETER	RESULT	QUAL
Lead	15.3	U
Manganese	15.5	
Mercury	0.136	U
Nickel	2.68	U
Selenium	123	U
Silver	1.99	U
Thallium	0.0822	U
Vanadium	0.81	U
Zinc	24.1	
ABF12 KW02009 BEI(D) 0 in		
INORGANICS (mg/kg)		
Aluminum	3760	
Antimony	5.84	U
Arsenic	6.3	
Barium	8.75	
Beryllium	0.311	U
Cadmium	0.553	U
Chromium	11.2	
Cobalt	2.45	J
Copper	2.08	J
Iron	1540	
Lead	8.92	U
Manganese	8.75	
Mercury	0.296	U
Nickel	5.08	J
Selenium	71.8	U
Silver	1.16	U
Thallium	0.239	U
Vanadium	14.5	
Zinc	19.8	
ABF12 KW02010 BEI(D) 12 in		
INORGANICS (mg/kg)		
Aluminum	3030	
Antimony	14.3	U
Arsenic	1.95	J
Barium	10.8	J
Beryllium	0.76	U
Cadmium	1.35	U
Chromium	3.85	J
Cobalt	2.06	J
Copper	3.26	U
Iron	1490	
Lead	21.8	U
Manganese	18.4	
Mercury	0.196	U
Nickel	3.81	U
Selenium	175	U
Silver	2.82	U
Thallium	0.117	U
Vanadium	1.15	U

PARAMETER	RESULT	QUAL
Zinc	2.19	J
ABF14(C) KW02799 BEI(C) 0 in		
INORGANICS (mg/kg)		
Aluminum	2770	
Antimony	3.1	
Arsenic	4.8	
Barium	25.9	
Beryllium	0.09	B
Cadmium	0.74	
Chromium	56.9	
Cobalt	1.1	B
Copper	40.5	
Iron	16800	
Lead	165	
Manganese	65	
Mercury	0.11	
Nickel	23.6	
Selenium	0.17	U
Silver	0.29	U
Thallium	0.24	U
Vanadium	9.3	
Zinc	258	
ABF15(C) KW02801 BEI(C) 0 in		
INORGANICS (mg/kg)		
Aluminum	3920	
Antimony	1.2	
Arsenic	6.6	
Barium	19.7	
Beryllium	0.07	B
Cadmium	1.5	
Chromium	18.6	
Cobalt	7.8	
Copper	415	
Iron	18900	
Lead	33.8	
Manganese	69.7	
Mercury	0.04	B
Nickel	37.6	
Selenium	0.17	U
Silver	0.28	U
Thallium	0.24	U
Vanadium	8.9	
Zinc	1140	
ABF16(C) KW02802 BEI(C) 0 in		
INORGANICS (mg/kg)		
Aluminum	2880	
Antimony	0.71	B
Arsenic	7.6	
Barium	22.9	

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PARAMETER	RESULT	QUAL
Thallium	0.122	U
Vanadium	1.21	U
Zinc	41	
ABD18 KW02001 BEI(D) 0 in		
INORGANICS (mg/kg)		
Aluminum	5470	
Antimony	11.9	U
Arsenic	2.59	
Barium	11.6	J
Beryllium	0.634	U
Cadmium	1.13	U
Chromium	9.57	J
Cobalt	4.06	J
Copper	3.21	J
Iron	2420	
Lead	18.2	U
Manganese	25.8	
Mercury	0.176	U
Nickel	5.83	J
Selenium	146	U
Silver	2.35	U
Thallium	0.0975	U
Vanadium	0.96	U
Zinc	54.1	
ABD19 KW02002 BEI(D) 0 in		
INORGANICS (mg/kg)		
Aluminum	4750	
Antimony	10.4	U
Arsenic	7.68	
Barium	32.4	
Beryllium	0.552	U
Cadmium	0.98	U
Chromium	35.4	
Cobalt	3.57	B
Copper	25.9	
Iron	12700	
Lead	44.7	
Manganese	55.7	
Mercury	0.156	U
Nickel	38.1	
Selenium	127	U
Silver	2.05	U
Thallium	0.0849	U
Vanadium	0.836	U
Zinc	450	
ABE13 KW02007 BEI(D) 0 in		
INORGANICS (mg/kg)		
Aluminum	4830	
Antimony	7.55	U

PARAMETER	RESULT	QUAL
Arsenic	10.2	
Barium	9.43	
Beryllium	0.402	U
Cadmium	1.91	J
Chromium	13	
Cobalt	2.39	J
Copper	16.1	
Iron	3350	
Lead	11.5	U
Manganese	11.4	
Mercury	0.377	U
Nickel	13.1	
Selenium	92.9	U
Silver	1.5	U
Thallium	0.31	U
Vanadium	40.5	
Zinc	442	
ABE13 KW02008 BEI(D) 12 in		
INORGANICS (mg/kg)		
Aluminum	2060	
Antimony	14	U
Arsenic	2.34	J
Barium	9.19	J
Beryllium	0.744	U
Cadmium	1.32	U
Chromium	5.7	J
Cobalt	3.04	J
Copper	3.19	U
Iron	1120	
Lead	21.3	U
Manganese	13.9	
Mercury	0.159	U
Nickel	3.73	U
Selenium	172	U
Silver	2.76	U
Thallium	0.114	U
Vanadium	1.13	U
Zinc	7.21	J
ABE19 KW02003 BEI(D) 0 in		
INORGANICS (mg/kg)		
Aluminum	3250	
Antimony	10	U
Arsenic	1.53	J
Barium	10.1	J
Beryllium	0.535	U
Cadmium	0.95	U
Chromium	4.69	J
Cobalt	2.43	J
Copper	2.29	U
Iron	1620	

PARAMETER	RESULT	QUAL
Lead	15.3	U
Manganese	15.5	
Mercury	0.136	U
Nickel	2.68	U
Selenium	123	U
Silver	1.99	U
Thallium	0.0822	U
Vanadium	0.81	U
Zinc	24.1	
ABF12 KW02009 BEI(D) 0 in		
INORGANICS (mg/kg)		
Aluminum	3760	
Antimony	5.84	U
Arsenic	6.3	
Barium	8.75	
Beryllium	0.311	U
Cadmium	0.553	U
Chromium	11.2	
Cobalt	2.45	J
Copper	2.08	J
Iron	1540	
Lead	8.92	U
Manganese	8.75	
Mercury	0.296	U
Nickel	5.08	J
Selenium	71.8	U
Silver	1.16	U
Thallium	0.239	U
Vanadium	14.5	
Zinc	19.8	
ABF12 KW02010 BEI(D) 12 in		
INORGANICS (mg/kg)		
Aluminum	3030	
Antimony	14.3	U
Arsenic	1.95	J
Barium	10.8	J
Beryllium	0.76	U
Cadmium	1.35	U
Chromium	3.85	J
Cobalt	2.06	J
Copper	3.26	U
Iron	1490	
Lead	21.8	U
Manganese	18.4	
Mercury	0.196	U
Nickel	3.81	U
Selenium	175	U
Silver	2.82	U
Thallium	0.117	U
Vanadium	1.15	U

PARAMETER	RESULT	QUAL
Zinc	2.19	J
ABF14(C) KW02799 BEI(C) 0 in		
INORGANICS (mg/kg)		
Aluminum	2770	
Antimony	3.1	
Arsenic	4.8	
Barium	25.9	
Beryllium	0.09	B
Cadmium	0.74	
Chromium	56.9	
Cobalt	1.1	B
Copper	40.5	
Iron	16800	
Lead	165	
Manganese	65	
Mercury	0.11	
Nickel	23.6	
Selenium	0.17	U
Silver	0.29	U
Thallium	0.24	U
Vanadium	9.3	
Zinc	258	
ABF15(C) KW02801 BEI(C) 0 in		
INORGANICS (mg/kg)		
Aluminum	3920	
Antimony	1.2	
Arsenic	6.6	
Barium	19.7	
Beryllium	0.07	B
Cadmium	1.5	
Chromium	18.6	
Cobalt	7.8	
Copper	415	
Iron	18900	
Lead	33.8	
Manganese	69.7	
Mercury	0.04	B
Nickel	37.6	
Selenium	0.17	U
Silver	0.28	U
Thallium	0.24	U
Vanadium	8.9	
Zinc	1140	
ABF16(C) KW02802 BEI(C) 0 in		
INORGANICS (mg/kg)		
Aluminum	2880	
Antimony	0.71	B
Arsenic	7.6	
Barium	22.9	

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PARAMETER	RESULT	QUAL
Nickel	2.64	B
Selenium	103	U
Silver	1.66	U
Thallium	0.0675	U
Vanadium	0.679	U
Zinc	4.08	B
ABH14 KW02011 BEI(D) 0 in		
INORGANICS (mg/kg)		
Aluminum	2840	
Antimony	10.2	U
Arsenic	1.33	J
Barium	8.61	J
Beryllium	0.543	U
Cadmium	0.965	U
Chromium	6.62	J
Cobalt	2.71	J
Copper	2.33	U
Iron	1200	
Lead	15.6	U
Manganese	16.5	
Mercury	0.142	U
Nickel	2.72	U
Selenium	125	U
Silver	2.02	U
Thallium	0.0835	U
Vanadium	0.623	U
Zinc	6.43	J
ABH14 KW02012 BEI(D) 12 in		
INORGANICS (mg/kg)		
Aluminum	5000	
Antimony	10.4	U
Arsenic	3.11	
Barium	9.66	J
Beryllium	0.552	U
Cadmium	0.98	U
Chromium	9.45	J
Cobalt	4.06	J
Copper	2.36	U
Iron	2420	
Lead	15.8	U
Manganese	25.7	
Mercury	0.129	U
Nickel	4.61	J
Selenium	127	U
Silver	2.05	U
Thallium	0.0849	U
Vanadium	0.836	U
Zinc	3.04	J
ABH16 KW02016 BEI(D) 0 in		
INORGANICS (mg/kg)		
Aluminum	3670	
Antimony	14.3	U
Arsenic	2.96	
Barium	9.89	J
Beryllium	0.76	U
Cadmium	1.35	U
Chromium	4.84	J
Cobalt	2.74	J
Copper	3.26	U
Iron	1710	
Lead	21.8	U
Manganese	19	
Mercury	0.134	U
Nickel	3.81	U
Selenium	175	U
Silver	2.82	U
Thallium	0.117	U
Vanadium	1.15	U
Zinc	72.1	
ABH16 KW02017 BEI(D) 12 in		
INORGANICS (mg/kg)		
Aluminum	3760	
Antimony	10.9	U
Arsenic	2.31	J
Barium	9.88	J
Beryllium	0.58	U
Cadmium	1.03	U
Chromium	6.81	J
Cobalt	2.02	J
Copper	2.48	U
Iron	1830	
Lead	16.6	U
Manganese	21.2	
Mercury	0.126	U
Nickel	5.21	J
Selenium	134	U
Silver	2.15	U
Thallium	0.0892	U
Vanadium	0.879	U
Zinc	8.03	J
ABH18 KW02024 BEI(D) 0 in		
INORGANICS (mg/kg)		
Aluminum	3380	
Antimony	11.9	U
Arsenic	1.43	
Barium	11.1	B
Beryllium	0.635	U
Cadmium	1.13	U
Chromium	9.79	B
Cobalt	3.26	B
Copper	3.86	B
Iron	1810	
Lead	18.2	U
Manganese	22.3	
Mercury	0.166	U
Nickel	5.45	B
Selenium	147	U
Silver	2.36	U
Thallium	0.0957	U
Vanadium	0.963	U
Zinc	26.1	
ABH18 KW02025 BEI(D) 12 in		
INORGANICS (mg/kg)		
Aluminum	3500	
Antimony	10.9	U
Arsenic	1.32	
Barium	10.5	B
Beryllium	0.582	U
Cadmium	1.03	U
Chromium	8.94	B
Cobalt	2.93	B
Copper	2.55	B
Iron	1680	
Lead	16.7	U
Manganese	22.3	
Mercury	0.159	U
Nickel	6.9	B
Selenium	134	U
Silver	2.16	U
Thallium	0.0877	U
Vanadium	0.883	U
Zinc	22.5	
ABSS-1 ABSS-1-AVG B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	2990	
Antimony	0.655	UJ
Arsenic	3.1	
Barium	20.95	
Beryllium	0.095	U
Cadmium	0.36	U
Chromium	12.3	
Cobalt	0.585	
Copper	46.7	
Cyanide	0.11	UJ
Iron	4745	
Lead	24.5	
Manganese	42.45	
Mercury	0.035	
Nickel	9.9	
Selenium	0.5275	J
Silver	0.33	U
Thallium	0.655	UJ
Vanadium	7.2	
Zinc	100.05	
PESTICIDES/PCBs		
2,4,5-T	3.25	U
2,4,5-TP (silvex)	3.25	U
2,4-D	3.25	U
4,4'-DDD	2.3	J
4,4'-DDE	2.05	J
4,4'-DDT	3.6	J
Aldrin	1.05	U
alpha-BHC	1.05	U
Aroclor-1016	6.9	U
Aroclor-1221	6.9	U
Aroclor-1232	6.9	U
Aroclor-1242	6.9	U
Aroclor-1248	6.9	U
Aroclor-1254	6.9	U
Aroclor-1260	6.9	U
beta-BHC	1.05	U
Chlordane	13.75	U
delta-BHC	1.05	U
Dieldrin	2.2	U
Endosulfan I	3.1	J
Endosulfan II	2.2	U
Endosulfan sulfate	2.2	U
Endrin	2.2	U
Endrin aldehyde	2.2	U
gamma-BHC (lindane)	1.2	J
Heptachlor	0.85	
Heptachlor epoxide	0.85	J
Methoxychlor	11	U
Methyl parathion	2.75	U
Parathion	2.75	U
Phorate	2.75	U
Toxaphene	55	U
ABSS-10 ABSS-10 B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	1520	
Antimony	0.78	U
Arsenic	3.2	
Barium	9.1	
Beryllium	0.04	U
Cadmium	0.61	U
Chromium	6.7	
Cobalt	0.39	U
Copper	30.3	
Iron	5760	

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PARAMETER	RESULT	QUAL
Nickel	2.64	B
Selenium	103	U
Silver	1.66	U
Thallium	0.0675	U
Vanadium	0.679	U
Zinc	4.08	B
ABH14 KW02011 BEI(D) 0 in		
INORGANICS (mg/kg)		
Aluminum	2840	
Antimony	10.2	U
Arsenic	1.33	J
Barium	8.61	J
Beryllium	0.543	U
Cadmium	0.965	U
Chromium	6.62	J
Cobalt	2.71	J
Copper	2.33	U
Iron	1200	
Lead	15.6	U
Manganese	16.5	
Mercury	0.142	U
Nickel	2.72	U
Selenium	125	U
Silver	2.02	U
Thallium	0.0835	U
Vanadium	0.823	U
Zinc	6.43	J
ABH14 KW02012 BEI(D) 12 in		
INORGANICS (mg/kg)		
Aluminum	5000	
Antimony	10.4	U
Arsenic	3.11	
Barium	9.66	J
Beryllium	0.552	U
Cadmium	0.98	U
Chromium	9.45	J
Cobalt	4.06	J
Copper	2.36	U
Iron	2420	
Lead	15.8	U
Manganese	25.7	
Mercury	0.129	U
Nickel	4.81	J
Selenium	127	U
Silver	2.05	U
Thallium	0.0849	U
Vanadium	0.836	U
Zinc	3.04	J
ABH16 KW02016 BEI(D) 0 in		

PARAMETER	RESULT	QUAL
INORGANICS (mg/kg)		
Aluminum	3670	
Antimony	14.3	U
Arsenic	2.96	
Barium	9.89	J
Beryllium	0.76	U
Cadmium	1.35	U
Chromium	4.84	J
Cobalt	2.74	J
Copper	3.26	U
Iron	1710	
Lead	21.8	U
Manganese	19	
Mercury	0.134	U
Nickel	3.81	U
Selenium	175	U
Silver	2.82	U
Thallium	0.117	U
Vanadium	1.15	U
Zinc	72.1	
ABH16 KW02017 BEI(D) 12 in		
INORGANICS (mg/kg)		
Aluminum	3760	
Antimony	10.9	U
Arsenic	2.31	J
Barium	9.88	J
Beryllium	0.58	U
Cadmium	1.03	U
Chromium	6.81	J
Cobalt	2.02	J
Copper	2.48	U
Iron	1830	
Lead	16.6	U
Manganese	21.2	
Mercury	0.126	U
Nickel	5.21	J
Selenium	134	U
Silver	2.15	U
Thallium	0.0892	U
Vanadium	0.879	U
Zinc	8.03	J
ABH18 KW02024 BEI(D) 0 in		
INORGANICS (mg/kg)		
Aluminum	3380	
Antimony	11.9	U
Arsenic	1.43	
Barium	11.1	B
Beryllium	0.635	U
Cadmium	1.13	U
Chromium	9.79	B

PARAMETER	RESULT	QUAL
Cobalt	3.26	B
Copper	3.86	B
Iron	1810	
Lead	18.2	U
Manganese	22.3	
Mercury	0.166	U
Nickel	5.45	B
Selenium	147	U
Silver	2.36	U
Thallium	0.0957	U
Vanadium	0.963	U
Zinc	26.1	
ABH18 KW02025 BEI(D) 12 in		
INORGANICS (mg/kg)		
Aluminum	3500	
Antimony	10.9	U
Arsenic	1.32	
Barium	10.5	B
Beryllium	0.582	U
Cadmium	1.03	U
Chromium	8.94	B
Cobalt	2.93	B
Copper	2.55	B
Iron	1680	
Lead	16.7	U
Manganese	22.3	
Mercury	0.159	U
Nickel	6.9	B
Selenium	134	U
Silver	2.16	U
Thallium	0.0877	U
Vanadium	0.883	U
Zinc	22.5	
ABSS-1 ABSS-1-AVG B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	2990	
Antimony	0.655	UJ
Arsenic	3.1	
Barium	20.95	
Beryllium	0.095	U
Cadmium	0.36	U
Chromium	12.3	
Cobalt	0.585	
Copper	46.7	
Cyanide	0.11	UJ
Iron	4745	
Lead	24.5	
Manganese	42.45	
Mercury	0.035	
Nickel	9.9	

PARAMETER	RESULT	QUAL
Selenium	0.5275	J
Silver	0.33	U
Thallium	0.655	UJ
Vanadium	7.2	
Zinc	100.05	
PESTICIDES/PCBs		
2,4,5-T	3.25	U
2,4,5-TP (silvex)	3.25	U
2,4-D	3.25	U
4,4'-DDD	2.3	J
4,4'-DDE	2.05	J
4,4'-DDT	3.6	J
Aldrin	1.05	U
alpha-BHC	1.05	U
Aroclor-1016	6.9	U
Aroclor-1221	6.9	U
Aroclor-1232	6.9	U
Aroclor-1242	6.9	U
Aroclor-1248	6.9	U
Aroclor-1254	6.9	U
Aroclor-1260	6.9	U
beta-BHC	1.05	U
Chlordane	13.75	U
delta-BHC	1.05	U
Dieldrin	2.2	U
Endosulfan I	3.1	J
Endosulfan II	2.2	U
Endosulfan sulfate	2.2	U
Endrin	2.2	U
Endrin aldehyde	2.2	U
gamma-BHC (lindane)	1.2	J
Heptachlor	0.85	
Heptachlor epoxide	0.85	J
Methoxychlor	11	U
Methyl parathion	2.75	U
Parathion	2.75	U
Phorate	2.75	U
Toxaphene	55	U
ABSS-10 ABSS-10 B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	1520	
Antimony	0.78	U
Arsenic	3.2	
Barium	9.1	
Beryllium	0.04	U
Cadmium	0.61	U
Chromium	6.7	
Cobalt	0.39	U
Copper	30.3	
Iron	5760	

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PARAMETER	RESULT	QUAL
Zinc	683	
PESTICIDES/PCBs		
2,4,5-T	4	U
2,4,5-TP (silvex)	4	U
2,4-D	4	U
4,4'-DDD	3.1	
4,4'-DDE	4.1	J
4,4'-DDT	5.5	J
Aldrin	1.3	U
alpha-BHC	1.3	U
Aroclor-1016	8.4	U
Aroclor-1221	8.4	U
Aroclor-1232	8.4	U
Aroclor-1242	8.4	U
Aroclor-1248	8.4	U
Aroclor-1254	8.4	U
Aroclor-1260	8.4	U
beta-BHC	1.3	U
Chlordane	16.8	U
delta-BHC	1.3	U
Dieldrin	2.7	U
Endosulfan I	2.4	
Endosulfan II	3.1	U
Endosulfan sulfate	2.7	U
Endrin	1.4	J
Endrin aldehyde	2.7	U
gamma-BHC (lindane)	1.6	
Heptachlor	1.3	U
Heptachlor epoxide	1.3	J
Methoxychlor	13.5	U
Methyl parathion	3.4	U
Parathion	3.4	U
Phorate	3.4	U
Toxaphene	67.4	U
ABSS-6 ABSS-6 B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	1090	
Antimony	1	U
Arsenic	3.3	
Barium	12.6	
Beryllium	0.05	U
Cadmium	0.58	
Chromium	7.1	
Cobalt	0.51	U
Copper	33.8	
Iron	6080	
Lead	24.4	
Manganese	47.3	
Mercury	0.04	U
Nickel	5	

PARAMETER	RESULT	QUAL
Selenium	1	U
Silver	0.51	U
Thallium	1	U
Vanadium	5.4	
Zinc	224	
PESTICIDES/PCBs		
2,4,5-T	52.5	U
2,4,5-TP (silvex)	52.5	U
2,4-D	52.5	U
4,4'-DDE	1.7	J
Dieldrin	2.2	J
ABSS-7 ABSS-7 B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	2260	
Antimony	0.58	UJ
Arsenic	2.1	
Barium	16.1	
Beryllium	0.07	U
Cadmium	0.4	U
Chromium	10.1	
Cobalt	0.6	
Copper	17.8	
Cyanide	0.1	UJ
Iron	5240	
Lead	26.1	
Manganese	39.1	
Mercury	0.05	
Nickel	6.8	
Selenium	0.58	UJ
Silver	0.46	
Thallium	0.58	UJ
Vanadium	5.7	
Zinc	130	
PESTICIDES/PCBs		
2,4,5-T	3	U
2,4,5-TP (silvex)	3	U
2,4-D	3	U
4,4'-DDD	2.6	J
4,4'-DDE	3.7	J
4,4'-DDT	4.1	J
Aldrin	1	U
alpha-BHC	1	U
Aroclor-1016	6.3	U
Aroclor-1221	6.3	U
Aroclor-1232	6.3	U
Aroclor-1242	6.3	U
Aroclor-1248	6.3	U
Aroclor-1254	6.3	U
Aroclor-1260	6.3	U
beta-BHC	1	U

PARAMETER	RESULT	QUAL
Chlordane	12.6	U
delta-BHC	1	U
Dieldrin	2.5	J
Endosulfan I	3.5	J
Endosulfan II	2	U
Endosulfan sulfate	2	U
Endrin	1.4	J
Endrin aldehyde	2	U
Heptachlor	1	U
Heptachlor epoxide	1.7	
Methoxychlor	10.1	U
Methyl parathion	2.5	U
Parathion	2.5	U
Phorate	2.5	U
Toxaphene	50.5	U
ABSS-8 ABSS-8 B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	3050	
Antimony	0.78	UJ
Arsenic	4.7	
Barium	17.6	
Beryllium	0.1	U
Cadmium	0.73	U
Chromium	18.4	
Cobalt	1.1	
Copper	44.8	
Cyanide	0.14	UJ
Iron	9140	
Lead	43	
Manganese	54.2	
Mercury	0.03	
Nickel	13.6	
Selenium	1.3	
Silver	0.39	U
Thallium	0.78	UJ
Vanadium	9	
Zinc	306	
PESTICIDES/PCBs		
2,4,5-T	3.9	U
2,4,5-TP (silvex)	3.9	U
2,4-D	3.9	U
4,4'-DDD	6.1	J
4,4'-DDE	4.8	J
4,4'-DDT	6.4	J
Aldrin	1.3	U
alpha-BHC	1.3	U
Aroclor-1016	8.3	U
Aroclor-1221	8.3	U
Aroclor-1232	8.3	U
Aroclor-1242	8.3	U

PARAMETER	RESULT	QUAL
Aroclor-1248	8.3	U
Aroclor-1254	8.3	U
Aroclor-1260	8.3	U
beta-BHC	1.3	U
Chlordane	16.6	U
delta-BHC	1.3	U
Dieldrin	2.6	U
Endosulfan I	4.6	
Endosulfan II	2.6	U
Endosulfan sulfate	2.6	U
Endrin	2.6	U
Endrin aldehyde	2.6	U
gamma-BHC (lindane)	1.9	
Heptachlor	1.1	J
Heptachlor epoxide	1.8	J
Methoxychlor	13.2	U
Methyl parathion	3.3	U
Parathion	3.3	U
Phorate	3.3	U
Toxaphene	66.2	U
ABSS-9 ABSS-9 B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	2120	
Antimony	0.6	UJ
Arsenic	2.4	
Barium	19.3	
Beryllium	0.07	U
Cadmium	0.45	U
Chromium	11	
Cobalt	0.64	
Copper	23.1	
Cyanide	0.11	UJ
Iron	6320	
Lead	30.2	
Manganese	43.3	
Mercury	0.03	
Nickel	7.6	
Selenium	0.7	
Silver	0.3	U
Thallium	0.6	UJ
Vanadium	6.6	
Zinc	142	
PESTICIDES/PCBs		
2,4,5-T	3	U
2,4,5-TP (silvex)	3	U
2,4-D	3	U
4,4'-DDD	2.7	
4,4'-DDE	3	J
4,4'-DDT	3.3	J
Aldrin	1	U

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PARAMETER	RESULT	QUAL
Zinc	683	
PESTICIDES/PCBs		
2,4,5-T	4	U
2,4,5-TP (silvex)	4	U
2,4-D	4	U
4,4'-DDD	3.1	
4,4'-DDE	4.1	J
4,4'-DDT	5.5	J
Aldrin	1.3	U
alpha-BHC	1.3	U
Aroclor-1016	8.4	U
Aroclor-1221	8.4	U
Aroclor-1232	8.4	U
Aroclor-1242	8.4	U
Aroclor-1248	8.4	U
Aroclor-1254	8.4	U
Aroclor-1260	8.4	U
beta-BHC	1.3	U
Chlordane	16.8	U
delta-BHC	1.3	U
Dieldrin	2.7	U
Endosulfan I	2.4	
Endosulfan II	3.1	U
Endosulfan sulfate	2.7	U
Endrin	1.4	J
Endrin aldehyde	2.7	U
gamma-BHC (lindane)	1.6	
Heptachlor	1.3	U
Heptachlor epoxide	1.3	J
Methoxychlor	13.5	U
Methyl parathion	3.4	U
Parathion	3.4	U
Phorate	3.4	U
Toxaphene	67.4	U
ABSS-6 ABSS-6 B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	1090	
Antimony	1	U
Arsenic	3.3	
Barium	12.6	
Beryllium	0.05	U
Cadmium	0.58	
Chromium	7.1	
Cobalt	0.51	U
Copper	33.8	
Iron	6080	
Lead	24.4	
Manganese	47.3	
Mercury	0.04	U
Nickel	5	

PARAMETER	RESULT	QUAL
Selenium	1	U
Silver	0.51	U
Thallium	1	U
Vanadium	5.4	
Zinc	224	
PESTICIDES/PCBs		
2,4,5-T	52.5	U
2,4,5-TP (silvex)	52.5	U
2,4-D	52.5	U
4,4'-DDE	1.7	J
Dieldrin	2.2	J
ABSS-7 ABSS-7 B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	2280	
Antimony	0.58	UJ
Arsenic	2.1	
Barium	16.1	
Beryllium	0.07	U
Cadmium	0.4	U
Chromium	10.1	
Cobalt	0.6	
Copper	17.8	
Cyanide	0.1	UJ
Iron	5240	
Lead	26.1	
Manganese	39.1	
Mercury	0.05	
Nickel	6.8	
Selenium	0.58	UJ
Silver	0.46	
Thallium	0.58	UJ
Vanadium	5.7	
Zinc	130	
PESTICIDES/PCBs		
2,4,5-T	3	U
2,4,5-TP (silvex)	3	U
2,4-D	3	U
4,4'-DDD	2.6	J
4,4'-DDE	3.7	J
4,4'-DDT	4.1	J
Aldrin	1	U
alpha-BHC	1	U
Aroclor-1016	6.3	U
Aroclor-1221	6.3	U
Aroclor-1232	6.3	U
Aroclor-1242	6.3	U
Aroclor-1248	6.3	U
Aroclor-1254	6.3	U
Aroclor-1260	6.3	U
beta-BHC	1	U

PARAMETER	RESULT	QUAL
Chlordane	12.6	U
delta-BHC	1	U
Dieldrin	2.5	J
Endosulfan I	3.5	J
Endosulfan II	2	U
Endosulfan sulfate	2	U
Endrin	1.4	J
Endrin aldehyde	2	U
Heptachlor	1	U
Heptachlor epoxide	1.7	
Methoxychlor	10.1	U
Methyl parathion	2.5	U
Parathion	2.5	U
Phorate	2.5	U
Toxaphene	50.5	U
ABSS-8 ABSS-8 B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	3050	
Antimony	0.78	UJ
Arsenic	4.7	
Barium	17.6	
Beryllium	0.1	U
Cadmium	0.73	U
Chromium	18.4	
Cobalt	1.1	
Copper	44.8	
Cyanide	0.14	UJ
Iron	9140	
Lead	43	
Manganese	54.2	
Mercury	0.03	
Nickel	13.6	
Selenium	1.3	
Silver	0.39	U
Thallium	0.78	UJ
Vanadium	9	
Zinc	306	
PESTICIDES/PCBs		
2,4,5-T	3.9	U
2,4,5-TP (silvex)	3.9	U
2,4-D	3.9	U
4,4'-DDD	6.1	J
4,4'-DDE	4.8	J
4,4'-DDT	6.4	J
Aldrin	1.3	U
alpha-BHC	1.3	U
Aroclor-1016	8.3	U
Aroclor-1221	8.3	U
Aroclor-1232	8.3	U
Aroclor-1242	8.3	U

PARAMETER	RESULT	QUAL
Aroclor-1248	8.3	U
Aroclor-1254	8.3	U
Aroclor-1260	8.3	U
beta-BHC	1.3	U
Chlordane	16.6	U
delta-BHC	1.3	U
Dieldrin	2.6	U
Endosulfan I	4.6	
Endosulfan II	2.6	U
Endosulfan sulfate	2.6	U
Endrin	2.6	U
Endrin aldehyde	2.6	U
gamma-BHC (lindane)	1.9	
Heptachlor	1.1	J
Heptachlor epoxide	1.8	J
Methoxychlor	13.2	U
Methyl parathion	3.3	U
Parathion	3.3	U
Phorate	3.3	U
Toxaphene	66.2	U
ABSS-9 ABSS-9 B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	2120	
Antimony	0.6	UJ
Arsenic	2.4	
Barium	19.3	
Beryllium	0.07	U
Cadmium	0.45	U
Chromium	11	
Cobalt	0.64	
Copper	23.1	
Cyanide	0.11	UJ
Iron	6320	
Lead	30.2	
Manganese	43.3	
Mercury	0.03	
Nickel	7.6	
Selenium	0.7	
Silver	0.3	U
Thallium	0.6	UJ
Vanadium	6.6	
Zinc	142	
PESTICIDES/PCBs		
2,4,5-T	3	U
2,4,5-TP (silvex)	3	U
2,4-D	3	U
4,4'-DDD	2.7	
4,4'-DDE	3	J
4,4'-DDT	3.3	J
Aldrin	1	U

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PARAMETER	RESULT	QUAL
1,2-dichlorobenzene	1400	U
1,3-dichlorobenzene	1400	U
1,4-dichlorobenzene	1400	U
2,4,5-trichlorophenol	6900	U
2,4,6-trichlorophenol	1400	U
2,4-dichlorophenol	1400	U
2,4-dimethylphenol	1400	U
2,4-dinitrophenol	6900	U
2,4-dinitrotoluene	1400	U
2,6-dinitrotoluene	1400	U
2-chloronaphthalene	1400	U
2-chlorophenol	1400	U
2-methyl-4,6-dinitrophenol	6900	U
2-methylnaphthalene	1400	U
2-methylphenol	1400	U
2-nitroaniline	6900	U
2-nitrophenol	1400	U
3,3'-dichlorobenzidine	2800	U
3-nitroaniline	6900	U
4-bromophenyl phenyl ether	1400	U
4-chloro-3-methylphenol	1400	U
4-chloroaniline	1400	U
4-chlorophenyl phenyl ether	1400	U
4-methylphenol	1400	U
4-nitroaniline	6900	U
4-nitrophenol	6900	U
Acenaphthene	1400	U
Acenaphthylene	1400	U
Anthracene	1400	U
Benzo(a)anthracene	170	J
Benzo(a)pyrene	180	J
Benzo(b)fluoranthene	200	J
Benzo(g,h,i)perylene	1400	U
Benzo(k)fluoranthene	200	J
Benzoic acid	6900	U
Benzyl alcohol	1400	U
Bis(2-chloroethoxy)methane	1400	U
Bis(2-chloroethyl)ether	1400	U
Bis(2-ethylhexyl)phthalate	480	J
Butyl benzyl phthalate	1400	U
Chrysene	250	J
Di-n-butyl phthalate	1400	U
Di-n-octyl phthalate	1400	U
Dibenzo(a,h)anthracene	1400	U
Dibenzofuran	1400	U
Diethyl phthalate	1400	U
Dimethyl phthalate	1400	U
Fluoranthene	350	J
Fluorene	1400	U
Hexachlorobenzene	1400	U

PARAMETER	RESULT	QUAL
Hexachlorobutadiene	1400	U
Hexachlorocyclopentadiene	1400	U
Hexachloroethane	1400	U
Indeno(1,2,3-cd)pyrene	1400	U
Isophorone	1400	U
N-nitroso-di-n-propylamine	1400	U
N-nitrosodiphenylamine	1400	U
Naphthalene	1400	U
Nitrobenzene	1400	U
Pentachlorophenol	6900	U
Phenanthrene	160	J
Phenol	1400	U
Pyrene	320	J
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	11	U
2-hexanone	11	U
4-methyl-2-pentanone	11	U
Acetone	11	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	1400	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	11	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	11	U
Chloroform	5	U
Chloromethane	11	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	2	J
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	11	U
Vinyl chloride	11	U
Xylenes, total	5	U
PESTICIDES/PCBs		

PARAMETER	RESULT	QUAL
4,4'-DDD	17	U
4,4'-DDE	37	DJ
4,4'-DDT	39	
Aldrin	8.6	U
alpha-BHC	8.6	U
alpha-chlordane	86	U
Aroclor-1016	86	U
Aroclor-1221	86	U
Aroclor-1232	86	U
Aroclor-1242	86	U
Aroclor-1248	86	U
Aroclor-1254	170	U
Aroclor-1260	2400	D
beta-BHC	20	Z
delta-BHC	8.6	U
Dieldrin	17	U
Endosulfan I	8.6	U
Endosulfan II	83	ZF
Endosulfan sulfate	17	U
Endrin	39	Z
Endrin ketone	17	U
gamma-BHC (lindane)	8.6	U
gamma-chlordane	86	U
Heptachlor	8.6	U
Heptachlor epoxide	8.6	U
Methoxychlor	86	U
Toxaphene	170	U
11S-3 S-3	IT(1991)	0 in
INORGANICS (mg/kg)		
Aluminum	1960	
Antimony	3.2	U
Arsenic	3.2	U
Barium	20.1	B
Beryllium	0.11	U
Cadmium	0.53	U
Chromium	9	
Cobalt	2.1	U
Copper	72.5	
Cyanide	0.5	U
Iron	1860	
Lead	43.1	
Manganese	146	
Mercury	0.15	
Nickel	2.1	U
Selenium	1.1	UW
Silver	0.53	U
Thallium	3.2	U
Vanadium	4.3	B
Zinc	45.9	
SEMIVOLATILE ORGANIC COMPOUNDS		

PARAMETER	RESULT	QUAL
1,2,4-trichlorobenzene	690	U
1,2-dichlorobenzene	690	U
1,3-dichlorobenzene	690	U
1,4-dichlorobenzene	690	U
2,4,5-trichlorophenol	3400	U
2,4,6-trichlorophenol	690	U
2,4-dichlorophenol	690	U
2,4-dimethylphenol	690	U
2,4-dinitrophenol	3400	U
2,4-dinitrotoluene	690	U
2,6-dinitrotoluene	690	U
2-chloronaphthalene	690	U
2-chlorophenol	690	U
2-methyl-4,6-dinitrophenol	3400	U
2-methylnaphthalene	690	U
2-methylphenol	690	U
2-nitroaniline	3400	U
2-nitrophenol	690	U
3,3'-dichlorobenzidine	1400	U
3-nitroaniline	3400	U
4-bromophenyl phenyl ether	690	U
4-chloro-3-methylphenol	690	U
4-chloroaniline	690	U
4-chlorophenyl phenyl ether	690	U
4-methylphenol	690	U
4-nitroaniline	3400	U
4-nitrophenol	3400	U
Acenaphthene	690	U
Acenaphthylene	75	J
Anthracene	690	U
Benzo(a)anthracene	120	J
Benzo(a)pyrene	130	J
Benzo(b)fluoranthene	160	J
Benzo(g,h,i)perylene	690	U
Benzo(k)fluoranthene	160	J
Benzoic acid	3400	U
Benzyl alcohol	690	U
Bis(2-chloroethoxy)methane	690	U
Bis(2-chloroethyl)ether	690	U
Bis(2-ethylhexyl)phthalate	430	J
Butyl benzyl phthalate	690	U
Chrysene	190	J
Di-n-butyl phthalate	690	U
Di-n-octyl phthalate	690	U
Dibenzo(a,h)anthracene	690	U
Dibenzofuran	690	U
Diethyl phthalate	690	U
Dimethyl phthalate	690	U
Fluoranthene	250	J
Fluorene	690	U

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PARAMETER	RESULT	QUAL
1,2-dichlorobenzene	1400	U
1,3-dichlorobenzene	1400	U
1,4-dichlorobenzene	1400	U
2,4,5-trichlorophenol	6900	U
2,4,6-trichlorophenol	1400	U
2,4-dichlorophenol	1400	U
2,4-dimethylphenol	1400	U
2,4-dinitrophenol	6900	U
2,4-dinitrotoluene	1400	U
2,6-dinitrotoluene	1400	U
2-chloronaphthalene	1400	U
2-chlorophenol	1400	U
2-methyl-4,6-dinitrophenol	6900	U
2-methylnaphthalene	1400	U
2-methylphenol	1400	U
2-nitroaniline	6900	U
2-nitrophenol	1400	U
3,3'-dichlorobenzidine	2800	U
3-nitroaniline	6900	U
4-bromophenyl phenyl ether	1400	U
4-chloro-3-methylphenol	1400	U
4-chloroaniline	1400	U
4-chlorophenyl phenyl ether	1400	U
4-methylphenol	1400	U
4-nitroaniline	6900	U
4-nitrophenol	6900	U
Acenaphthene	1400	U
Acenaphthylene	1400	U
Anthracene	1400	U
Benzo(a)anthracene	170	J
Benzo(a)pyrene	180	J
Benzo(b)fluoranthene	200	J
Benzo(g,h,i)perylene	1400	U
Benzo(k)fluoranthene	200	J
Benzoic acid	6900	U
Benzyl alcohol	1400	U
Bis(2-chloroethoxy)methane	1400	U
Bis(2-chloroethyl)ether	1400	U
Bis(2-ethylhexyl)phthalate	480	J
Butyl benzyl phthalate	1400	U
Chrysene	250	J
Di-n-butyl phthalate	1400	U
Di-n-octyl phthalate	1400	U
Dibenzo(a,h)anthracene	1400	U
Dibenzofuran	1400	U
Diethyl phthalate	1400	U
Dimethyl phthalate	1400	U
Fluoranthene	350	J
Fluorene	1400	U
Hexachlorobenzene	1400	U

PARAMETER	RESULT	QUAL
Hexachlorobutadiene	1400	U
Hexachlorocyclopentadiene	1400	U
Hexachloroethane	1400	U
Indeno(1,2,3-cd)pyrene	1400	U
Isophorone	1400	U
N-nitroso-di-n-propylamine	1400	U
N-nitrosodiphenylamine	1400	U
Naphthalene	1400	U
Nitrobenzene	1400	U
Pentachlorophenol	6900	U
Phenanthrene	160	J
Phenol	1400	U
Pyrene	320	J
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	11	U
2-hexanone	11	U
4-methyl-2-pentanone	11	U
Acetone	11	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	1400	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	11	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	11	U
Chloroform	5	U
Chloromethane	11	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	2	J
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	11	U
Vinyl chloride	11	U
Xylenes, total	5	U
PESTICIDES/PCBs		

PARAMETER	RESULT	QUAL
4,4'-DDD	17	U
4,4'-DDE	37	DJ
4,4'-DDT	39	
Aldrin	8.6	U
alpha-BHC	8.6	U
alpha-chlordane	86	U
Aroclor-1016	86	U
Aroclor-1221	86	U
Aroclor-1232	86	U
Aroclor-1242	86	U
Aroclor-1248	86	U
Aroclor-1254	170	U
Aroclor-1260	2400	D
beta-BHC	20	Z
delta-BHC	8.6	U
Dieldrin	17	U
Endosulfan I	8.6	U
Endosulfan II	83	ZF
Endosulfan sulfate	17	U
Endrin	39	Z
Endrin ketone	17	U
gamma-BHC (lindane)	8.6	U
gamma-chlordane	86	U
Heptachlor	8.6	U
Heptachlor epoxide	8.6	U
Methoxychlor	86	U
Toxaphene	170	U
I1S-3 S-3	IT(1991)	0 In
INORGANICS (mg/kg)		
Aluminum	1960	
Antimony	3.2	U
Arsenic	3.2	U
Barium	20.1	B
Beryllium	0.11	U
Cadmium	0.53	U
Chromium	9	
Cobalt	2.1	U
Copper	72.5	
Cyanide	0.5	U
Iron	1860	
Lead	43.1	
Manganese	146	
Mercury	0.15	
Nickel	2.1	U
Selenium	1.1	UW
Silver	0.53	U
Thallium	3.2	U
Vanadium	4.3	B
Zinc	45.9	
SEMIVOLATILE ORGANIC COMPOUNDS		

PARAMETER	RESULT	QUAL
1,2,4-trichlorobenzene	690	U
1,2-dichlorobenzene	690	U
1,3-dichlorobenzene	690	U
1,4-dichlorobenzene	690	U
2,4,5-trichlorophenol	3400	U
2,4,6-trichlorophenol	690	U
2,4-dichlorophenol	690	U
2,4-dimethylphenol	690	U
2,4-dinitrophenol	3400	U
2,4-dinitrotoluene	690	U
2,6-dinitrotoluene	690	U
2-chloronaphthalene	690	U
2-chlorophenol	690	U
2-methyl-4,6-dinitrophenol	3400	U
2-methylnaphthalene	690	U
2-methylphenol	690	U
2-nitroaniline	3400	U
2-nitrophenol	690	U
3,3'-dichlorobenzidine	1400	U
3-nitroaniline	3400	U
4-bromophenyl phenyl ether	690	U
4-chloro-3-methylphenol	690	U
4-chloroaniline	690	U
4-chlorophenyl phenyl ether	690	U
4-methylphenol	690	U
4-nitroaniline	3400	U
4-nitrophenol	3400	U
Acenaphthene	690	U
Acenaphthylene	75	J
Anthracene	690	U
Benzo(a)anthracene	120	J
Benzo(a)pyrene	130	J
Benzo(b)fluoranthene	160	J
Benzo(g,h,i)perylene	690	U
Benzo(k)fluoranthene	160	J
Benzoic acid	3400	U
Benzyl alcohol	690	U
Bis(2-chloroethoxy)methane	690	U
Bis(2-chloroethyl)ether	690	U
Bis(2-ethylhexyl)phthalate	430	J
Butyl benzyl phthalate	690	U
Chrysene	190	J
Di-n-butyl phthalate	690	U
Di-n-octyl phthalate	690	U
Dibenzo(a,h)anthracene	690	U
Dibenzofuran	690	U
Diethyl phthalate	690	U
Dimethyl phthalate	690	U
Fluoranthene	250	J
Fluorene	690	U

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PARAMETER	RESULT	QUAL
Aroclor-1248	40	U
Aroclor-1254	490	U**
Aroclor-1260	1800	+
beta-BHC	4	U
Chlordane	76	U**
delta-BHC	6	U
Dieldrin	14	UNC**
Endosulfan I	9	U
Endosulfan II	43	U**
Endosulfan sulfate	40	U
Endrin	43	UNC**
Endrin aldehyde	89	NC**
gamma-BHC (lindane)	3	U
Heptachlor	2	U
Heptachlor epoxide	60	U
Methoxychlor	380	U**
Toxaphene	720	U**
I1SS-4(IT) AS1285 IT(1994) 6 in		
INORGANICS (mg/kg)		
Aluminum	277	
Antimony	3.9	U
Arsenic	4.1	
Barium	4.1	B
Beryllium	0.13	U
Cadmium	0.65	U
Chromium	4.5	
Cobalt	2.6	U
Copper	17.1	
Cyanide	13	
Iron	4270	
Lead	55.5	
Manganese	22.3	
Mercury	0.07	
Nickel	2.8	B
Selenium	0.78	U
Silver	0.65	U
Thallium	0.26	U
Tin	3.9	U
Vanadium	2.2	B
Zinc	91.8	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	2600	U
1,2-dichlorobenzene	2600	U
1,3-dichlorobenzene	2600	U
1,4-dichlorobenzene	2600	U
2,4,5-trichlorophenol	13000	U
2,4,6-trichlorophenol	2600	U
2,4-dichlorophenol	2600	U
2,4-dimethylphenol	2600	U
2,4-dinitrophenol	13000	U

PARAMETER	RESULT	QUAL
2,4-dinitrotoluene	2600	U
2,6-dinitrotoluene	2600	U
2-chloronaphthalene	2600	U
2-chlorophenol	2600	U
2-methyl-4,6-dinitrophenol	13000	U
2-methylnaphthalene	2600	U
2-methylphenol	2600	U
2-nitroaniline	13000	U
2-nitrophenol	2600	U
3,3'-dichlorobenzidine	5200	U
3-nitroaniline	13000	U
4-bromophenyl phenyl ether	2600	U
4-chloro-3-methylphenol	2600	U
4-chloroaniline	2600	U
4-chlorophenyl phenyl ether	2600	U
4-methylphenol	2600	U
4-nitroaniline	13000	U
4-nitrophenol	13000	U
Acenaphthene	2600	U
Acenaphthylene	2600	U
Anthracene	2600	U
Benzo(a)anthracene	2600	U
Benzo(a)pyrene	2600	U
Benzo(b)fluoranthene	2600	U
Benzo(g,h,i)perylene	2600	U
Benzo(k)fluoranthene	2600	U
Benzoic acid	13000	U
Benzyl alcohol	2600	U
Bis(2-chloroethoxy)methane	2600	U
Bis(2-chloroethyl)ether	2600	U
Bis(2-ethylhexyl)phthalate	2600	U
Butyl benzyl phthalate	2600	U
Chrysene	2600	U
Di-n-butyl phthalate	2600	U
Di-n-octyl phthalate	2600	U
Dibenzo(a,h)anthracene	2600	U
Dibenzofuran	2600	U
Diethyl phthalate	2600	U
Dimethyl phthalate	2600	U
Fluoranthene	2600	U
Fluorene	2600	U
Hexachlorobenzene	2600	U
Hexachlorobutadiene	2600	U
Hexachlorocyclopentadiene	2600	U
Hexachloroethane	2600	U
Indeno(1,2,3-cd)pyrene	2600	U
Isophorone	2600	U
N-nitroso-di-n-propylamine	2600	U
N-nitrosodiphenylamine	2600	U
Naphthalene	2600	U

PARAMETER	RESULT	QUAL
Nitrobenzene	2600	U
Pentachlorophenol	13000	U
Phenanthrene	2600	U
Phenol	2600	U
Pyrene	2600	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	7	U
1,1,2,2-tetrachloroethane	7	U
1,1,2-trichloroethane	7	U
1,1-dichloroethane	7	U
1,1-dichloroethene	7	U
1,2-dichloroethane	7	U
1,2-dichloroethene	2	J
1,2-dichloropropane	7	U
2-butanone	16	
2-hexanone	13	U
4-methyl-2-pentanone	13	U
Acetone	150	B
Benzene	7	U
Bis(2-chloroisopropyl)ether	2600	U
Bromodichloromethane	7	U
Bromoform	7	U
Bromomethane	13	U
Carbon disulfide	7	U
Carbon tetrachloride	7	U
Chlorobenzene	7	U
Chloroethane	13	U
Chloroform	7	U
Chloromethane	13	U
Cis-1,3-dichloropropene	7	U
Dibromochloromethane	7	U
Ethylbenzene	7	U
Methylene chloride	11	B
Styrene	7	U
Tetrachloroethene	7	U
Toluene	7	U
Trans-1,3-dichloropropene	7	U
Trichloroethene	7	U
Vinyl acetate	13	U
Vinyl chloride	13	U
Xylenes, total	7	U
PESTICIDES/PCBs		
4,4'-DDD	25	U
4,4'-DDE	25	U
4,4'-DDT	25	U
Aldrin	12	U
alpha-BHC	12	U
alpha-chlordane	120	U
Aroclor-1016	120	U
Aroclor-1221	120	U

PARAMETER	RESULT	QUAL
Aroclor-1232	120	U
Aroclor-1242	120	U
Aroclor-1248	120	U
Aroclor-1254	250	U
Aroclor-1260	420	X
beta-BHC	12	U
delta-BHC	12	U
Dieldrin	25	U
Endosulfan I	12	U
Endosulfan II	25	U
Endosulfan sulfate	25	U
Endrin	25	U
Endrin ketone	25	U
gamma-BHC (lindane)	12	U
gamma-chlordane	120	U
Heptachlor	12	U
Heptachlor epoxide	12	U
Methoxychlor	120	U
Toxaphene	250	U
I1SS-5(IT) AS1284 IT(1994) 6 in		
INORGANICS (mg/kg)		
Antimony	4.7	U
Arsenic	2.6	
Barium	4.6	B
Beryllium	0.16	U
Cadmium	0.78	U
Chromium	6.3	
Cobalt	3.1	U
Copper	9.7	
Lead	29.9	
Mercury	0.06	
Nickel	3.1	U
Selenium	0.94	U
Silver	0.78	U
Thallium	0.31	U
Tin	16.2	B
Vanadium	1.6	U
Zinc	73	
PESTICIDES/PCBs		
4,4'-DDD	8	U
4,4'-DDE	13	C
4,4'-DDT	17	UNC**
Aldrin	3	U*
alpha-BHC	2	U
Aroclor-1016	40	U
Aroclor-1221	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	150	U**

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PARAMETER	RESULT	QUAL
Aroclor-1248	40	U
Aroclor-1254	490	U**
Aroclor-1260	1800	+
beta-BHC	4	U
Chlordane	76	U**
delta-BHC	6	U
Dieldrin	14	UNC**
Endosulfan I	9	U
Endosulfan II	43	U**
Endosulfan sulfate	40	U
Endrin	43	UNC**
Endrin aldehyde	89	NC**
gamma-BHC (lindane)	3	U
Heptachlor	2	U
Heptachlor epoxide	60	U
Methoxychlor	380	U**
Toxaphene	720	U**
I1SS-4(IT) AS1285 IT(1994) 6 in		
INORGANICS (mg/kg)		
Aluminum	277	
Antimony	3.9	U
Arsenic	4.1	
Barium	4.1	B
Beryllium	0.13	U
Cadmium	0.65	U
Chromium	4.5	
Cobalt	2.6	U
Copper	17.1	
Cyanide	13	
Iron	4270	
Lead	55.5	
Manganese	22.3	
Mercury	0.07	
Nickel	2.8	B
Selenium	0.78	U
Silver	0.65	U
Thallium	0.26	U
Tin	3.9	U
Vanadium	2.2	B
Zinc	91.8	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	2600	U
1,2-dichlorobenzene	2600	U
1,3-dichlorobenzene	2600	U
1,4-dichlorobenzene	2600	U
2,4,5-trichlorophenol	13000	U
2,4,6-trichlorophenol	2600	U
2,4-dichlorophenol	2600	U
2,4-dimethylphenol	2600	U
2,4-dinitrophenol	13000	U

PARAMETER	RESULT	QUAL
2,4-dinitrotoluene	2600	U
2,6-dinitrotoluene	2600	U
2-chloronaphthalene	2600	U
2-chlorophenol	2600	U
2-methyl-4,6-dinitrophenol	13000	U
2-methylnaphthalene	2600	U
2-methylphenol	2600	U
2-nitroaniline	13000	U
2-nitrophenol	2600	U
3,3'-dichlorobenzidine	5200	U
3-nitroaniline	13000	U
4-bromophenyl phenyl ether	2600	U
4-chloro-3-methylphenol	2600	U
4-chloroaniline	2600	U
4-chlorophenyl phenyl ether	2600	U
4-methylphenol	2600	U
4-nitroaniline	13000	U
4-nitrophenol	13000	U
Acenaphthene	2600	U
Acenaphthylene	2600	U
Anthracene	2600	U
Benzo(a)anthracene	2600	U
Benzo(a)pyrene	2600	U
Benzo(b)fluoranthene	2600	U
Benzo(g,h,i)perylene	2600	U
Benzo(k)fluoranthene	2600	U
Benzoic acid	13000	U
Benzyl alcohol	2600	U
Bis(2-chloroethoxy)methane	2600	U
Bis(2-chloroethyl)ether	2600	U
Bis(2-ethylhexyl)phthalate	2600	U
Butyl benzyl phthalate	2600	U
Chrysene	2600	U
Di-n-butyl phthalate	2600	U
Di-n-octyl phthalate	2600	U
Dibenzo(a,h)anthracene	2600	U
Dibenzofuran	2600	U
Diethyl phthalate	2600	U
Dimethyl phthalate	2600	U
Fluoranthene	2600	U
Fluorene	2600	U
Hexachlorobenzene	2600	U
Hexachlorobutadiene	2600	U
Hexachlorocyclopentadiene	2600	U
Hexachloroethane	2600	U
Indeno(1,2,3-cd)pyrene	2600	U
Isophorone	2600	U
N-nitroso-di-n-propylamine	2600	U
N-nitrosodiphenylamine	2600	U
Naphthalene	2600	U

PARAMETER	RESULT	QUAL
Nitrobenzene	2600	U
Pentachlorophenol	13000	U
Phenanthrene	2600	U
Phenol	2600	U
Pyrene	2600	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	7	U
1,1,2,2-tetrachloroethane	7	U
1,1,2-trichloroethane	7	U
1,1-dichloroethane	7	U
1,1-dichloroethene	7	U
1,2-dichloroethane	7	U
1,2-dichloroethene	2	J
1,2-dichloropropane	7	U
2-butanone	16	
2-hexanone	13	U
4-methyl-2-pentanone	13	U
Acetone	150	B
Benzene	7	U
Bis(2-chloroisopropyl)ether	2600	U
Bromodichloromethane	7	U
Bromoform	7	U
Bromomethane	13	U
Carbon disulfide	7	U
Carbon tetrachloride	7	U
Chlorobenzene	7	U
Chloroethane	13	U
Chloroform	7	U
Chloromethane	13	U
Cis-1,3-dichloropropene	7	U
Dibromochloromethane	7	U
Ethylbenzene	7	U
Methylene chloride	11	B
Styrene	7	U
Tetrachloroethene	7	U
Toluene	7	U
Trans-1,3-dichloropropene	7	U
Trichloroethene	7	U
Vinyl acetate	13	U
Vinyl chloride	13	U
Xylenes, total	7	U
PESTICIDES/PCBs		
4,4'-DDD	25	U
4,4'-DDE	25	U
4,4'-DDT	25	U
Aldrin	12	U
alpha-BHC	12	U
alpha-chlordane	120	U
Aroclor-1016	120	U
Aroclor-1221	120	U

PARAMETER	RESULT	QUAL
Aroclor-1232	120	U
Aroclor-1242	120	U
Aroclor-1248	120	U
Aroclor-1254	250	U
Aroclor-1260	420	X
beta-BHC	12	U
delta-BHC	12	U
Dieldrin	25	U
Endosulfan I	12	U
Endosulfan II	25	U
Endosulfan sulfate	25	U
Endrin	25	U
Endrin ketone	25	U
gamma-BHC (lindane)	12	U
gamma-chlordane	120	U
Heptachlor	12	U
Heptachlor epoxide	12	U
Methoxychlor	120	U
Toxaphene	250	U
I1SS-5(IT) AS1284 IT(1994) 6 in		
INORGANICS (mg/kg)		
Antimony	4.7	U
Arsenic	2.6	
Barium	4.6	B
Beryllium	0.16	U
Cadmium	0.78	U
Chromium	6.3	
Cobalt	3.1	U
Copper	9.7	
Lead	29.9	
Mercury	0.06	
Nickel	3.1	U
Selenium	0.94	U
Silver	0.78	U
Thallium	0.31	U
Tin	16.2	B
Vanadium	1.6	U
Zinc	73	
PESTICIDES/PCBs		
4,4'-DDD	8	U
4,4'-DDE	13	C
4,4'-DDT	17	UNC**
Aldrin	3	U*
alpha-BHC	2	U
Aroclor-1016	40	U
Aroclor-1221	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	150	U**

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PARAMETER	RESULT	QUAL
Fluoranthene	420	U
Fluorene	420	U
Indeno(1,2,3-cd)pyrene	420	U
Naphthalene	420	U
Phenanthrene	420	U
Pyrene	420	U
PESTICIDES/PCBs		
2,4,5-T	2.5	U
2,4,5-TP (silvex)	2.5	U
2,4-D	2.5	U
4,4'-DDD	491	UJ
4,4'-DDE	296	J
4,4'-DDT	711	J
Aldrin	245.5	U
alpha-BHC	245.5	U
Aroclor-1016	1535.5	U
Aroclor-1221	1535.5	U
Aroclor-1232	1535.5	U
Aroclor-1242	1535.5	U
Aroclor-1248	1535.5	U
Aroclor-1254	1535.5	U
Aroclor-1260	18260	
beta-BHC	245.5	U
Chlordane	3070	U
delta-BHC	245.5	U
Dieldrin	812	U
Endosulfan I	256	J
Endosulfan II	491	U
Endosulfan sulfate	341	
Endrin	1462	J
Endrin aldehyde	380.5	J
gamma-BHC (lindane)	245.5	U
Heptachlor	245.5	U
Heptachlor epoxide	245.5	U
Methoxychlor	2455	U
Methyl parathion	616	U
Parathion	616	U
Phorate	616	U
Toxaphene	12275	U
I1SS-2 I1SS-2 B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	326	
Antimony	0.63	UJ
Arsenic	3	
Barium	8.6	J
Beryllium	0.03	U
Cadmium	0.08	U
Chromium	5.7	U
Cobalt	0.32	U
Copper	22.7	

PARAMETER	RESULT	QUAL
Cyanide	0.11	UJ
Iron	3380	
Lead	42.9	
Manganese	21.7	
Mercury	0.04	
Nickel	1.8	
Selenium	0.63	UJ
Silver	0.32	U
Thallium	0.63	UJ
Vanadium	5.1	J
Zinc	28.4	
SEMIVOLATILE ORGANIC COMPOUNDS		
Acenaphthene	556	U
Acenaphthylene	556	U
Anthracene	556	U
Benzo(a)anthracene	556	U
Benzo(a)pyrene	556	U
Benzo(b)fluoranthene	556	U
Benzo(g,h,i)perylene	556	U
Benzo(k)fluoranthene	556	U
Chrysene	556	U
Dibenzo(a,h)anthracene	556	U
Fluoranthene	289	J
Fluorene	556	U
Indeno(1,2,3-cd)pyrene	556	U
Naphthalene	556	U
Phenanthrene	556	U
Pyrene	326	J
PESTICIDES/PCBs		
2,4,5-T	3.3	U
2,4,5-TP (silvex)	3.3	U
2,4-D	3.3	U
4,4'-DDD	29.4	
4,4'-DDE	75.8	
Aldrin	10.9	U
alpha-BHC	10.9	U
Aroclor-1016	68.1	U
Aroclor-1221	68.1	U
Aroclor-1232	68.1	U
Aroclor-1242	68.1	U
Aroclor-1248	68.1	U
Aroclor-1254	669	J
Aroclor-1260	905	
beta-BHC	10.9	U
Chlordane	136	U
delta-BHC	10.9	U
Dieldrin	21.8	U
Endosulfan I	25.2	
Endosulfan II	21.8	U
Endosulfan sulfate	21.8	U

PARAMETER	RESULT	QUAL
Endrin	59.5	
Endrin aldehyde	21.8	U
gamma-BHC (lindane)	10.9	U
Heptachlor	18.9	J
Heptachlor epoxide	10.9	U
Methoxychlor	109	U
Methyl parathion	27.2	U
Parathion	27.2	U
Phorate	27.2	U
Toxaphene	545	U
I1SS-3 I1SS-3 B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	925	
Antimony	0.49	UJ
Arsenic	4.1	
Barium	7.4	J
Beryllium	0.08	U
Cadmium	0.09	U
Chromium	5.5	
Cobalt	0.25	U
Copper	21.6	
Cyanide	0.09	UJ
Iron	3090	
Lead	46.6	
Manganese	18.1	
Mercury	0.04	
Nickel	2.4	
Selenium	0.49	UJ
Silver	0.25	U
Thallium	0.49	UJ
Vanadium	7.6	J
Zinc	39	
SEMIVOLATILE ORGANIC COMPOUNDS		
Acenaphthene	443	U
Acenaphthylene	443	U
Anthracene	443	U
Benzo(a)anthracene	443	U
Benzo(a)pyrene	443	U
Benzo(b)fluoranthene	443	U
Benzo(g,h,i)perylene	443	U
Benzo(k)fluoranthene	443	U
Chrysene	443	U
Dibenzo(a,h)anthracene	443	U
Fluoranthene	443	U
Fluorene	443	U
Indeno(1,2,3-cd)pyrene	443	U
Naphthalene	443	U
Phenanthrene	443	U
Pyrene	443	U
PESTICIDES/PCBs		

PARAMETER	RESULT	QUAL
2,4,5-T	2.6	U
2,4,5-TP (silvex)	2.6	U
2,4-D	2.6	U
4,4'-DDD	2.5	
4,4'-DDE	4.2	
4,4'-DDT	4.6	
Aldrin	0.87	U
alpha-BHC	0.87	U
Aroclor-1016	5.4	U
Aroclor-1221	5.4	U
Aroclor-1232	5.4	U
Aroclor-1242	5.4	U
Aroclor-1248	5.4	U
Aroclor-1254	5.4	U
Aroclor-1260	24.1	J
beta-BHC	0.87	U
Chlordane	10.9	U
delta-BHC	0.87	U
Dieldrin	1.7	U
Endosulfan I	2.7	
Endosulfan II	1.7	U
Endrin	1.2	J
Endrin aldehyde	1.7	U
gamma-BHC (lindane)	2	
Heptachlor	1.2	
Heptachlor epoxide	1.5	J
Methoxychlor	8.7	U
Methyl parathion	2.2	U
Parathion	2.2	U
Phorate	2.2	U
Toxaphene	43.6	U
I1SS-4 I1SS-4 B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	615	
Antimony	1.2	U
Arsenic	12.1	
Barium	7.5	J
Beryllium	0.02	U
Cadmium	0.31	U
Chromium	17.2	
Cobalt	2.4	
Copper	40.3	
Cyanide	0.08	UJ
Iron	32600	
Lead	112	
Manganese	105	
Mercury	0.11	
Nickel	12	
Selenium	0.46	UJ
Silver	0.23	U

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PARAMETER	RESULT	QUAL
Thallium	0.46	UJ
Vanadium	10.2	
Zinc	163	
SEMIVOLATILE ORGANIC COMPOUNDS		
Acenaphthene	340	U
Acenaphthylene	340	U
Anthracene	340	U
Benzo(a)anthracene	340	U
Benzo(a)pyrene	340	U
Benzo(b)fluoranthene	340	U
Benzo(g,h,i)perylene	340	U
Benzo(k)fluoranthene	340	U
Chrysene	340	U
Dibenzo(a,h)anthracene	340	U
Fluoranthene	340	U
Fluorene	340	U
Indeno(1,2,3-cd)pyrene	340	U
Naphthalene	340	U
Phenanthrene	340	U
Pyrene	340	U
PESTICIDES/PCBs		
2,4,5-T	2.4	U
2,4,5-TP (silvex)	2.4	U
2,4-D	2.4	U
4,4'-DDE	26.6	
4,4'-DDT	118	J
Aldrin	8.2	U
alpha-BHC	8.2	U
Aroclor-1016	51	U
Aroclor-1221	51	U
Aroclor-1232	51	U
Aroclor-1242	51	U
Aroclor-1248	51	U
Aroclor-1254	51	U
Aroclor-1260	2290	
beta-BHC	8.2	U
Chlordane	102	U
delta-BHC	8.2	U
Dieldrin	13.6	J
Endosulfan I	21.9	
Endosulfan II	16.3	U
Endosulfan sulfate	16.3	U
gamma-BHC (lindane)	8.2	U
Heptachlor	7.8	J
Heptachlor epoxide	8.2	U
Methoxychlor	81.5	U
Methyl parathion	20.4	U
Parathion	20.4	U
Phorate	20.4	U
Toxaphene	408	U

PARAMETER	RESULT	QUAL
I1SS-5 I1SS-5	B&RE	0 in
INORGANICS (mg/kg)		
Aluminum	387	
Antimony	0.56	UJ
Arsenic	2.7	
Barium	7	J
Beryllium	0.03	U
Cadmium	0.07	U
Chromium	3.5	U
Cobalt	0.28	U
Copper	21.8	
Cyanide	0.09	UJ
Iron	2820	
Lead	226	
Manganese	29.6	
Mercury	0.09	
Nickel	1.2	
Selenium	0.56	UJ
Silver	0.28	U
Thallium	0.56	UJ
Vanadium	3.9	J
Zinc	43.1	
SEMIVOLATILE ORGANIC COMPOUNDS		
Acenaphthene	386	U
Acenaphthylene	386	U
Anthracene	386	U
Benzo(a)anthracene	386	U
Benzo(a)pyrene	386	U
Benzo(b)fluoranthene	386	U
Benzo(g,h,i)perylene	386	U
Benzo(k)fluoranthene	386	U
Chrysene	386	U
Dibenzo(a,h)anthracene	386	U
Fluoranthene	386	U
Fluorene	386	U
Indeno(1,2,3-cd)pyrene	386	U
Naphthalene	386	U
Phenanthrene	386	U
Pyrene	386	U
PESTICIDES/PCBs		
2,4,5-T	2.7	U
2,4,5-TP (silvex)	2.7	U
2,4-D	2.7	U
4,4'-DDD	3.1	J
4,4'-DDE	5.9	J
4,4'-DDT	13.1	
Aldrin	0.92	U
alpha-BHC	0.92	U
Aroclor-1016	5.8	U
Aroclor-1221	5.8	U

PARAMETER	RESULT	QUAL
Aroclor-1232	5.8	U
Aroclor-1242	5.8	U
Aroclor-1248	5.8	U
Aroclor-1254	5.8	U
Aroclor-1260	79.8	J
beta-BHC	0.92	U
Chlordane	11.5	U
delta-BHC	0.92	U
Dieldrin	1.8	U
Endosulfan I	2.2	J
Endosulfan II	1.8	U
Endosulfan sulfate	1.8	U
Endrin	6.5	
Endrin aldehyde	1.8	U
gamma-BHC (lindane)	3.3	J
Heptachlor	2	J
Heptachlor epoxide	0.92	U
Methoxychlor	9.2	U
Methyl parathion	2.3	U
Parathion	2.3	U
Phorate	2.3	U
Toxaphene	46.1	U
I1SS-6 I1SS-6	B&RE	0 in
INORGANICS (mg/kg)		
Aluminum	560	
Antimony	1.4	U
Arsenic	10.8	
Barium	11.8	J
Beryllium	0.15	U
Cadmium	0.35	U
Chromium	12.9	
Cobalt	3.1	
Copper	64.4	
Cyanide	0.08	UJ
Iron	27700	
Lead	96.3	
Manganese	118	
Mercury	0.06	
Nickel	12	
Selenium	0.46	UJ
Silver	0.33	
Thallium	0.46	UJ
Vanadium	7.2	
Zinc	484	
SEMIVOLATILE ORGANIC COMPOUNDS		
Acenaphthene	406	U
Acenaphthylene	406	U
Anthracene	406	U
Benzo(a)anthracene	406	U
Benzo(a)pyrene	406	U

PARAMETER	RESULT	QUAL
Benzo(b)fluoranthene	406	U
Benzo(g,h,i)perylene	406	U
Benzo(k)fluoranthene	406	U
Chrysene	406	U
Dibenzo(a,h)anthracene	406	U
Fluoranthene	406	U
Fluorene	406	U
Indeno(1,2,3-cd)pyrene	406	U
Naphthalene	406	U
Phenanthrene	406	U
Pyrene	406	U
PESTICIDES/PCBs		
2,4,5-T	2.3	U
2,4,5-TP (silvex)	2.3	U
2,4-D	2.3	U
4,4'-DDD	4.6	J
4,4'-DDE	9.5	
4,4'-DDT	6.5	J
Aldrin	0.79	U
alpha-BHC	0.79	U
Aroclor-1016	4.9	U
Aroclor-1221	4.9	U
Aroclor-1232	4.9	U
Aroclor-1242	4.9	U
Aroclor-1248	4.9	U
Aroclor-1254	4.9	U
Aroclor-1260	66.6	
beta-BHC	0.79	U
Chlordane	9.9	U
delta-BHC	1	
Dieldrin	2.4	J
Endosulfan I	1.7	J
Endosulfan II	1.6	U
Endosulfan sulfate	0.84	J
Endrin	3.3	
Endrin aldehyde	1.6	U
gamma-BHC (lindane)	0.78	J
Heptachlor	0.79	U
Heptachlor epoxide	0.79	U
Methoxychlor	7.9	U
Methyl parathion	2	U
Parathion	2	U
Phorate	2	U
Toxaphene	39.5	U
I1SS-7 I1SS-7	B&RE	0 in
INORGANICS (mg/kg)		
Aluminum	72.4	
Antimony	0.59	UJ
Arsenic	0.92	
Barium	7.8	J

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PARAMETER	RESULT	QUAL
Beryllium	0.03	U
Cadmium	0.06	U
Chromium	2.9	U
Cobalt	0.3	U
Copper	15.2	
Cyanide	0.1	UJ
Iron	387	
Lead	19	
Manganese	7.3	
Mercury	0.02	U
Nickel	1	
Selenium	0.59	UJ
Silver	0.3	U
Thallium	0.59	UJ
Vanadium	0.73	J
Zinc	1.1	
SEMIVOLATILE ORGANIC COMPOUNDS		
Acenaphthene	402	U
Acenaphthylene	402	U
Anthracene	402	U
Benzo(a)anthracene	402	U
Benzo(a)pyrene	402	U
Benzo(b)fluoranthene	402	U
Benzo(g,h,i)perylene	402	U
Benzo(k)fluoranthene	402	U
Chrysene	402	U
Dibenzo(a,h)anthracene	402	U
Fluoranthene	402	U
Fluorene	402	U
Indeno(1,2,3-cd)pyrene	402	U
Naphthalene	402	U
Phenanthrene	402	U
Pyrene	402	U
PESTICIDES/PCBs		
2,4,5-T	3	U
2,4,5-TP (silvex)	3	U
2,4-D	21.4	J
4,4'-DDD	2.5	
4,4'-DDE	3.2	J
4,4'-DDT	7.8	
Aldrin	1	U
alpha-BHC	0.85	J
Aroclor-1016	6.2	U
Aroclor-1221	6.2	U
Aroclor-1232	6.2	U
Aroclor-1242	6.2	U
Aroclor-1248	6.2	U
Aroclor-1254	6.2	U
Aroclor-1260	38.6	J
beta-BHC	1	U

PARAMETER	RESULT	QUAL
Chlordane	12.4	U
delta-BHC	1	U
Dieldrin	3	J
Endosulfan I	2.3	J
Endosulfan II	2	U
Endosulfan sulfate	2	U
Endrin	2.8	J
Endrin aldehyde	2	U
gamma-BHC (lindane)	1.7	J
Heptachlor	0.76	J
Heptachlor epoxide	1.2	
Methoxychlor	10	U
Methyl parathion	2.5	U
Parathion	2.5	U
Phorate	2.5	U
Toxaphene	49.8	U
IR 7		
I7S-1 S-1 IT(1991) 0 in		
INORGANICS (mg/kg)		
Aluminum	242	
Antimony	3.9	U
Arsenic	3.9	U
Barium	3.3	B
Beryllium	0.13	U
Cadmium	0.65	U
Chromium	3.3	
Cobalt	2.6	U
Copper	23.8	
Cyanide	0.5	U
Iron	949	
Lead	38	
Manganese	8.2	
Mercury	0.06	
Nickel	2.6	U
Selenium	1.3	UW
Silver	7	
Thallium	3.9	U
Vanadium	2	B
Zinc	18.5	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	880	U
1,2-dichlorobenzene	880	U
1,3-dichlorobenzene	880	U
1,4-dichlorobenzene	880	U
2,4,5-trichlorophenol	4200	U
2,4,6-trichlorophenol	880	U
2,4-dichlorophenol	880	U
2,4-dimethylphenol	880	U
2,4-dinitrophenol	4200	U
2,4-dinitrotoluene	880	U

PARAMETER	RESULT	QUAL
2,6-dinitrotoluene	880	U
2-chloronaphthalene	880	U
2-chlorophenol	880	U
2-methyl-4,6-dinitrophenol	880	U
2-methylnaphthalene	880	U
2-methylphenol	880	U
2-nitroaniline	4200	U
2-nitrophenol	880	U
3,3'-dichlorobenzidine	1800	U
3-nitroaniline	4200	U
4-bromophenyl phenyl ether	880	U
4-chloro-3-methylphenol	880	U
4-chloroaniline	880	U
4-chlorophenyl phenyl ether	880	U
4-methylphenol	880	U
4-nitroaniline	880	U
4-nitrophenol	4200	U
Acenaphthene	880	U
Acenaphthylene	880	U
Anthracene	880	U
Benzo(a)anthracene	880	U
Benzo(a)pyrene	880	U
Benzo(b)fluoranthene	880	U
Benzo(g,h,i)perylene	880	U
Benzo(k)fluoranthene	880	U
Benzoic acid	4200	U
Benzyl alcohol	880	U
Bis(2-chloroethoxy)methane	880	U
Bis(2-chloroethyl)ether	880	U
Bis(2-ethylhexyl)phthalate	310	J
Butyl benzyl phthalate	880	U
Chrysene	880	U
Di-n-butyl phthalate	880	U
Di-n-octyl phthalate	880	U
Dibenzo(a,h)anthracene	880	U
Dibenzofuran	880	U
Diethyl phthalate	880	U
Dimethyl phthalate	880	U
Fluoranthene	880	U
Fluorene	880	U
Hexachlorobenzene	880	U
Hexachlorobutadiene	880	U
Hexachlorocyclopentadiene	880	U
Hexachloroethane	880	U
Indeno(1,2,3-cd)pyrene	880	U
Isophorone	880	U
N-nitroso-di-n-propylamine	880	U
N-nitrosodiphenylamine	880	U
Naphthalene	880	U
Nitrobenzene	880	U

PARAMETER	RESULT	QUAL
Pentachlorophenol	880	U
Phenanthrene	880	U
Phenol	880	U
Pyrene	880	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	7	U
1,1,2,2-tetrachloroethane	7	U
1,1,2-trichloroethane	7	U
1,1-dichloroethane	7	U
1,1-dichloroethene	7	U
1,2-dichloroethane	7	U
1,2-dichloroethene	7	U
1,2-dichloropropane	7	U
2-butanone	13	U
2-hexanone	13	U
4-methyl-2-pentanone	13	U
Acetone	13	U
Benzene	7	U
Bis(2-chloroisopropyl)ether	880	U
Bromodichloromethane	7	U
Bromoform	7	U
Bromomethane	13	U
Carbon disulfide	7	U
Carbon tetrachloride	7	U
Chlorobenzene	7	U
Chloroethane	13	U
Chloroform	7	U
Chloromethane	13	U
Cis-1,3-dichloropropene	7	U
Dibromochloromethane	7	U
Ethylbenzene	7	U
Methylene chloride	4	J
Styrene	7	U
Tetrachloroethene	7	U
Toluene	7	U
Trans-1,3-dichloropropene	7	U
Trichloroethene	7	U
Vinyl acetate	13	U
Vinyl chloride	13	U
Xylenes, total	7	U
PESTICIDES/PCBs		
4,4'-DDD	21	U
4,4'-DDE	21	U
4,4'-DDT	21	U
Aldrin	11	U
alpha-BHC	11	U
alpha-chlordane	110	U
Aroclor-1016	110	U
Aroclor-1221	110	U
Aroclor-1232	110	U

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PARAMETER	RESULT	QUAL
Aroclor-1242	110	U
Aroclor-1248	110	U
Aroclor-1254	210	U
Aroclor-1260	210	U
beta-BHC	11	U
delta-BHC	11	U
Dieldrin	21	U
Endosulfan I	11	U
Endosulfan II	21	U
Endosulfan sulfate	21	U
Endrin	21	U
Endrin ketone	21	U
gamma-BHC (lindane)	11	U
gamma-chlordane	110	U
Heptachlor	11	U
Heptachlor epoxide	11	U
Methoxychlor	110	U
Toxaphene	210	U
I7S-2 S-2	**IT(1991)**	**0 in**
INORGANICS (mg/kg)		
Aluminum	415	
Antimony	3.5	U
Arsenic	3.5	U
Barium	7.1	B
Beryllium	0.12	U
Cadmium	1.1	
Chromium	3.6	
Cobalt	2.3	U
Copper	21.1	
Cyanide	0.5	U
Iron	772	
Lead	27.2	
Manganese	29.2	
Mercury	0.09	
Nickel	2.3	U
Selenium	1.2	UW
Silver	6.1	
Thallium	3.5	U
Vanadium	2.9	B
Zinc	46.6	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	880	U
1,2-dichlorobenzene	880	U
1,3-dichlorobenzene	880	U
1,4-dichlorobenzene	880	U
2,4,5-trichlorophenol	4300	U
2,4,6-trichlorophenol	880	U
2,4-dichlorophenol	880	U
2,4-dimethylphenol	880	U
2,4-dinitrophenol	4300	U

PARAMETER	RESULT	QUAL
2,4-dinitrotoluene	880	U
2,6-dinitrotoluene	880	U
2-chloronaphthalene	880	U
2-chlorophenol	880	U
2-methyl-4,6-dinitrophenol	4300	U
2-methylnaphthalene	880	U
2-methylphenol	880	U
2-nitroaniline	4300	U
2-nitrophenol	880	U
3,3'-dichlorobenzidine	1800	U
3-nitroaniline	4300	U
4-bromophenyl phenyl ether	880	U
4-chloro-3-methylphenol	880	U
4-chloroaniline	880	U
4-chlorophenyl phenyl ether	880	U
4-methylphenol	880	U
4-nitroaniline	4300	U
4-nitrophenol	4300	U
Acenaphthene	300	J
Acenaphthylene	880	U
Anthracene	140	J
Benzo(a)anthracene	640	J
Benzo(a)pyrene	540	J
Benzo(b)fluoranthene	630	J
Benzo(g,h,i)perylene	310	J
Benzo(k)fluoranthene	610	J
Benzoic acid	4300	U
Benzyl alcohol	880	U
Bis(2-chloroethoxy)methane	880	U
Bis(2-chloroethyl)ether	880	U
Bis(2-ethylhexyl)phthalate	350	J
Butyl benzyl phthalate	880	U
Chrysene	950	
Di-n-butyl phthalate	880	U
Di-n-octyl phthalate	880	U
Dibenzo(a,h)anthracene	190	J
Dibenzofuran	170	J
Diethyl phthalate	880	U
Dimethyl phthalate	880	U
Fluoranthene	1900	
Fluorene	180	J
Hexachlorobenzene	880	U
Hexachlorobutadiene	880	U
Hexachlorocyclopentadiene	880	U
Hexachloroethane	880	U
Indeno(1,2,3-cd)pyrene	280	J
Isophorone	880	U
N-nitroso-di-n-propylamine	880	U
N-nitrosodiphenylamine	880	U
Naphthalene	120	J

PARAMETER	RESULT	QUAL
Nitrobenzene	880	U
Pentachlorophenol	4300	U
Phenanthrene	2100	
Phenol	880	U
Pyrene	1700	
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	7	U
1,1,2,2-tetrachloroethane	7	U
1,1,2-trichloroethane	7	U
1,1-dichloroethane	7	U
1,1-dichloroethene	7	U
1,2-dichloroethane	7	U
1,2-dichloroethene	7	U
1,2-dichloropropane	7	U
2-butanone	14	U
2-hexanone	14	U
4-methyl-2-pentanone	14	U
Acetone	14	U
Benzene	7	U
Bis(2-chloroisopropyl)ether	880	U
Bromodichloromethane	7	U
Bromoform	7	U
Bromomethane	14	U
Carbon disulfide	7	U
Carbon tetrachloride	7	U
Chlorobenzene	7	U
Chloroethane	14	U
Chloroform	7	U
Chloromethane	14	U
Cis-1,3-dichloropropene	7	U
Dibromochloromethane	7	U
Ethylbenzene	7	U
Methylene chloride	5	J
Styrene	7	U
Tetrachloroethene	7	U
Toluene	7	U
Trans-1,3-dichloropropene	7	U
Trichloroethene	7	U
Vinyl acetate	14	U
Vinyl chloride	14	U
Xylenes, total	7	U
PESTICIDES/PCBs		
4,4'-DDD	21	U
4,4'-DDE	21	U
4,4'-DDT	21	U
Aldrin	11	U
alpha-BHC	11	U
alpha-chlordane	110	U
Aroclor-1016	110	U
Aroclor-1221	110	U

PARAMETER	RESULT	QUAL
Aroclor-1232	110	U
Aroclor-1242	110	U
Aroclor-1248	110	U
Aroclor-1254	210	U
Aroclor-1260	210	U
beta-BHC	170	DZ
delta-BHC	11	U
Dieldrin	21	U
Endosulfan I	11	U
Endosulfan II	21	U
Endosulfan sulfate	21	U
Endrin	21	U
Endrin ketone	21	U
gamma-BHC (lindane)	11	U
gamma-chlordane	110	U
Heptachlor	11	U
Heptachlor epoxide	11	U
Methoxychlor	110	U
Toxaphene	210	U
I7S-3 S-3	**IT(1991)**	**0 in**
INORGANICS (mg/kg)		
Aluminum	452	
Antimony	3.3	U
Arsenic	3.6	
Barium	5.3	B
Beryllium	0.11	U
Cadmium	0.56	U
Chromium	4.5	
Cobalt	2.2	U
Copper	7.5	
Cyanide	0.5	U
Iron	342	
Lead	3.3	U
Manganese	6.4	
Mercury	0.02	U
Nickel	2.2	U
Selenium	1.1	UW
Silver	2.8	B
Thallium	3.3	U
Vanadium	2.4	B
Zinc	13	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	730	U
1,2-dichlorobenzene	730	U
1,3-dichlorobenzene	730	U
1,4-dichlorobenzene	730	U
2,4,5-trichlorophenol	3600	U
2,4,6-trichlorophenol	730	U
2,4-dichlorophenol	730	U
2,4-dimethylphenol	730	U

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PARAMETER	RESULT	QUAL
2,4-dinitrophenol	3600	U
2,4-dinitrotoluene	730	U
2,6-dinitrotoluene	730	U
2-chloronaphthalene	730	U
2-chlorophenol	730	U
2-methyl-4,6-dinitrophenol	3600	U
2-methylnaphthalene	730	U
2-methylphenol	730	U
2-nitroaniline	3600	U
2-nitrophenol	730	U
3,3'-dichlorobenzidine	1500	U
3-nitroaniline	3600	U
4-bromophenyl phenyl ether	730	U
4-chloro-3-methylphenol	730	U
4-chloroaniline	730	U
4-chlorophenyl phenyl ether	730	U
4-methylphenol	730	U
4-nitroaniline	3600	U
4-nitrophenol	3600	U
Acenaphthene	730	U
Acenaphthylene	730	U
Anthracene	730	U
Benzo(a)anthracene	730	U
Benzo(a)pyrene	730	U
Benzo(b)fluoranthene	730	U
Benzo(g,h,i)perylene	730	U
Benzo(k)fluoranthene	730	U
Benzoic acid	3600	U
Benzyl alcohol	730	U
Bis(2-chloroethoxy)methane	730	U
Bis(2-chloroethyl)ether	730	U
Bis(2-ethylhexyl)phthalate	260	J
Butyl benzyl phthalate	730	U
Chrysene	730	U
Di-n-butyl phthalate	730	U
Di-n-octyl phthalate	730	U
Dibenzo(a,h)anthracene	730	U
Dibenzofuran	730	U
Diethyl phthalate	730	U
Dimethyl phthalate	730	U
Fluoranthene	730	U
Fluorene	730	U
Hexachlorobenzene	730	U
Hexachlorobutadiene	730	U
Hexachlorocyclopentadiene	730	U
Hexachloroethane	730	U
Indeno(1,2,3-cd)pyrene	730	U
Isophorone	730	U
N-nitroso-di-n-propylamine	730	U
N-nitrosodiphenylamine	730	U

PARAMETER	RESULT	QUAL
Naphthalene	730	U
Nitrobenzene	730	U
Pentachlorophenol	3600	U
Phenanthrene	730	U
Phenol	730	U
Pyrene	730	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	6	U
1,1,2,2-tetrachloroethane	6	U
1,1,2-trichloroethane	6	U
1,1-dichloroethane	6	U
1,1-dichloroethene	6	U
1,2-dichloroethane	6	U
1,2-dichloroethene	6	U
1,2-dichloropropane	6	U
2-butanone	11	U
2-hexanone	11	U
4-methyl-2-pentanone	11	U
Acetone	11	U
Benzene	6	U
Bis(2-chloroisopropyl)ether	730	U
Bromodichloromethane	6	U
Bromoform	6	U
Bromomethane	11	U
Carbon disulfide	6	U
Carbon tetrachloride	6	U
Chlorobenzene	6	U
Chloroethane	11	U
Chloroform	6	U
Chloromethane	11	U
Cis-1,3-dichloropropene	6	U
Dibromochloromethane	6	U
Ethylbenzene	6	U
Methylene chloride	3	J
Styrene	6	U
Tetrachloroethene	6	U
Toluene	6	U
Trans-1,3-dichloropropene	6	U
Trichloroethene	6	U
Vinyl acetate	11	U
Vinyl chloride	11	U
Xylenes, total	6	U
PESTICIDES/PCBs		
4,4'-DDD	18	U
4,4'-DDE	18	U
4,4'-DDT	18	U
Aldrin	8.9	U
alpha-BHC	8.9	U
alpha-chlordane	89	U
Aroclor-1016	89	U

PARAMETER	RESULT	QUAL
Aroclor-1221	89	U
Aroclor-1232	89	U
Aroclor-1242	89	U
Aroclor-1248	89	U
Aroclor-1254	180	U
Aroclor-1260	180	U
beta-BHC	8.9	U
delta-BHC	8.9	U
Dieldrin	18	U
Endosulfan I	8.9	U
Endosulfan II	18	U
Endosulfan sulfate	18	U
Endrin	18	U
Endrin ketone	18	U
gamma-BHC (lindane)	8.9	U
gamma-chlordane	89	U
Heptachlor	8.9	U
Heptachlor epoxide	8.9	U
Methoxychlor	89	U
Toxaphene	180	U
I7S-4 S-4 IT(1991) 0 in		
INORGANICS (mg/kg)		
Aluminum	531	
Antimony	4.4	U
Arsenic	4.4	U
Barium	4.2	B
Beryllium	0.15	U
Cadmium	0.73	U
Chromium	4.1	
Cobalt	2.9	U
Copper	15.9	
Cyanide	0.5	U
Iron	1140	
Lead	15.8	
Manganese	21.6	
Mercury	0.07	
Nickel	2.9	U
Selenium	1.5	UW
Silver	0.73	U
Thallium	4.4	U
Vanadium	3.1	B
Zinc	43.1	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	980	U
1,2-dichlorobenzene	980	U
1,3-dichlorobenzene	980	U
1,4-dichlorobenzene	980	U
2,4,5-trichlorophenol	4800	U
2,4,6-trichlorophenol	980	U
2,4-dichlorophenol	980	U

PARAMETER	RESULT	QUAL
2,4-dimethylphenol	980	U
2,4-dinitrophenol	4800	U
2,4-dinitrotoluene	980	U
2,6-dinitrotoluene	980	U
2-chloronaphthalene	980	U
2-chlorophenol	980	U
2-methyl-4,6-dinitrophenol	4800	U
2-methylnaphthalene	980	U
2-methylphenol	980	U
2-nitroaniline	4800	U
2-nitrophenol	980	U
3,3'-dichlorobenzidine	2000	U
3-nitroaniline	4800	U
4-bromophenyl phenyl ether	980	U
4-chloro-3-methylphenol	980	U
4-chloroaniline	980	U
4-chlorophenyl phenyl ether	980	U
4-methylphenol	980	U
4-nitroaniline	4800	U
4-nitrophenol	4800	U
Acenaphthene	980	U
Acenaphthylene	980	U
Anthracene	980	U
Benzo(a)anthracene	980	U
Benzo(a)pyrene	980	U
Benzo(b)fluoranthene	980	U
Benzo(g,h,i)perylene	980	U
Benzo(k)fluoranthene	980	U
Benzoic acid	4800	U
Benzyl alcohol	980	U
Bis(2-chloroethoxy)methane	980	U
Bis(2-chloroethyl)ether	980	U
Bis(2-ethylhexyl)phthalate	570	J
Butyl benzyl phthalate	980	U
Chrysene	980	U
Di-n-butyl phthalate	980	U
Di-n-octyl phthalate	980	U
Dibenzo(a,h)anthracene	980	U
Dibenzofuran	980	U
Diethyl phthalate	980	U
Dimethyl phthalate	980	U
Fluoranthene	980	U
Fluorene	980	U
Hexachlorobenzene	980	U
Hexachlorobutadiene	980	U
Hexachlorocyclopentadiene	980	U
Hexachloroethane	980	U
Indeno(1,2,3-cd)pyrene	980	U
Isophorone	980	U
N-nitroso-di-n-propylamine	980	U

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PARAMETER	RESULT	QUAL
N-nitrosodiphenylamine	980	U
Naphthalene	980	U
Nitrobenzene	980	U
Pentachlorophenol	4800	U
Phenanthrene	980	U
Phenol	980	U
Pyrene	980	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	7	U
1,1,2,2-tetrachloroethane	7	U
1,1,2-trichloroethane	7	U
1,1-dichloroethane	7	U
1,1-dichloroethene	7	U
1,2-dichloroethane	7	U
1,2-dichloroethene	7	U
1,2-dichloropropane	7	U
2-butanone	15	U
2-hexanone	15	U
4-methyl-2-pentanone	15	U
Acetone	15	U
Benzene	7	U
Bis(2-chloroisopropyl)ether	980	U
Bromodichloromethane	7	U
Bromoform	7	U
Bromomethane	15	U
Carbon disulfide	7	U
Carbon tetrachloride	7	U
Chlorobenzene	7	U
Chloroethane	15	U
Chloroform	7	U
Chloromethane	15	U
Cis-1,3-dichloropropene	7	U
Dibromochloromethane	7	U
Ethylbenzene	7	U
Methylene chloride	4	J
Styrene	7	U
Tetrachloroethene	7	U
Toluene	7	U
Trans-1,3-dichloropropene	7	U
Trichloroethene	7	U
Vinyl acetate	15	U
Vinyl chloride	15	U
Xylenes, total	7	U
PESTICIDES/PCBs		
4,4'-DDD	24	U
4,4'-DDE	24	U
4,4'-DDT	24	U
Aldrin	12	U
alpha-BHC	12	U
alpha-chlordane	120	U

PARAMETER	RESULT	QUAL
Aroclor-1016	120	U
Aroclor-1221	120	U
Aroclor-1232	120	U
Aroclor-1242	120	U
Aroclor-1248	120	U
Aroclor-1254	240	U
Aroclor-1260	240	U
beta-BHC	12	U
delta-BHC	12	U
Dieldrin	24	U
Endosulfan I	12	U
Endosulfan II	24	U
Endosulfan sulfate	24	U
Endrin	24	U
Endrin ketone	24	U
gamma-BHC (lindane)	12	U
gamma-chlordane	120	U
Heptachlor	12	U
Heptachlor epoxide	12	U
Methoxychlor	120	U
Toxaphene	240	U
I7SS-1(IT) AS1030 IT(1994) 0 in		
INORGANICS (mg/kg)		
Antimony	5.3	U
Arsenic	3.1	
Barium	6	B
Beryllium	0.18	U
Cadmium	0.89	U
Chromium	4.3	
Cobalt	3.6	U
Copper	2.4	B
Lead	4.6	
Mercury	0.04	
Nickel	3.6	U
Selenium	0.36	U
Silver	0.89	U
Thallium	0.36	U
Tin	5.3	U
Vanadium	1.8	U
Zinc	5	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	2.8	U
1,3-dichlorobenzene	5.9	U
1,4-dichlorobenzene	4.4	U
Acenaphthene	18	U
Acenaphthylene	18	U
Anthracene	14	U
Benzo(a)anthracene	14	U
Benzo(a)pyrene	14	U
Benzo(b)fluoranthene	14	U

PARAMETER	RESULT	QUAL
Benzo(g,h,i)perylene	14	U
Benzo(k)fluoranthene	14	U
Chrysene	14	U
Dibenzo(a,h)anthracene	14	U
Fluoranthene	14	U
Fluorene	14	U
Indeno(1,2,3-cd)pyrene	14	U
Naphthalene	18	U
Phenanthrene	100	U*
Pyrene	14	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.6	U
1,1,1-trichloroethane	0.6	U
1,1,2,2-tetrachloroethane	0.6	U
1,1,2-trichloroethane	0.4	U
1,1-dichloroethane	1.3	U
1,1-dichloroethene	2.4	U
1,2,3-trichloropropane	1.8	U
1,2-dichloroethane	0.6	U
1,2-dichloropropane	0.7	U
1-chlorohexane	1.8	U
2-chloroethyl vinyl ether	2.4	U
Benzene	3.7	U
Bis(2-chloroisopropyl)ether	37	U
Bromobenzene	3.7	U
Bromodichloromethane	1.8	U
Bromoform	3.7	U
Bromomethane	2.2	U
Carbon tetrachloride	2.2	U
Chlorobenzene	3.7	U
Chloroethane	9.5	U
Chloroform	0.9	U
Chloromethane	1.5	U
Chlorotoluene	1.8	U
Cis-1,2-dichloroethene	1.8	U
Cis-1,3-dichloropropene	6.2	U
Dibromochloromethane	1.7	U
Dibromomethane	3.7	U
Dichlorodifluoromethane	3.3	U
Ethylbenzene	3.7	U
Methylene chloride	28	U
Tetrachloroethene	0.6	U
Toluene	3.7	U
Trans-1,2-dichloroethene	1.8	U
Trans-1,3-dichloropropene	6.2	U
Trichloroethene	2.2	U
Trichlorofluoromethane	3.7	U
Vinyl chloride	3.3	U
Xylenes, total	1.8	U
I7SS-10(IT) AS1033 IT(1994) 0 in		

PARAMETER	RESULT	QUAL
INORGANICS (mg/kg)		
Aluminum	345	
Antimony	7.2	U
Arsenic	3.6	
Barium	4.7	B
Beryllium	0.24	U
Cadmium	1.2	U
Chromium	5.7	
Cobalt	4.8	U
Copper	115	
Cyanide	23	
Iron	542	
Lead	5.9	
Manganese	4.5	
Mercury	0.05	
Nickel	4.8	U
Selenium	0.48	U
Silver	1.2	U
Thallium	0.48	U
Vanadium	2.7	B
Zinc	58.6	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	770	U
1,2-dichlorobenzene	770	U
1,3-dichlorobenzene	770	U
1,4-dichlorobenzene	770	U
2,4,5-trichlorophenol	3700	U
2,4,6-trichlorophenol	770	U
2,4-dichlorophenol	770	U
2,4-dimethylphenol	770	U
2,4-dinitrophenol	3700	U
2,4-dinitrotoluene	770	U
2,6-dinitrotoluene	770	U
2-chloronaphthalene	770	U
2-chlorophenol	770	U
2-methyl-4,6-dinitrophenol	3700	U
2-methylnaphthalene	770	U
2-methylphenol	770	U
2-nitroaniline	3700	U
2-nitrophenol	770	U
3,3'-dichlorobenzidine	1500	U
3-nitroaniline	3700	U
4-bromophenyl phenyl ether	770	U
4-chloro-3-methylphenol	770	U
4-chloroaniline	770	U
4-chlorophenyl phenyl ether	770	U
4-methylphenol	770	U
4-nitroaniline	3700	U
4-nitrophenol	3700	U
Acenaphthene	770	U

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PARAMETER	RESULT	QUAL
Acenaphthylene	770	U
Anthracene	770	U
Benzo(a)anthracene	770	U
Benzo(a)pyrene	770	U
Benzo(b)fluoranthene	770	U
Benzo(g,h,i)perylene	770	U
Benzo(k)fluoranthene	770	U
Benzoic acid	3700	U
Benzyl alcohol	770	U
Bis(2-chloroethoxy)methane	770	U
Bis(2-chloroethyl)ether	770	U
Bis(2-ethylhexyl)phthalate	400	J
Butyl benzyl phthalate	770	U
Chrysene	770	U
Di-n-butyl phthalate	770	U
Di-n-octyl phthalate	770	U
Dibenzo(a,h)anthracene	770	U
Dibenzofuran	770	U
Diethyl phthalate	770	U
Dimethyl phthalate	770	U
Fluoranthene	770	U
Fluorene	770	U
Hexachlorobenzene	770	U
Hexachlorobutadiene	770	U
Hexachlorocyclopentadiene	770	U
Hexachloroethane	770	U
Indeno(1,2,3-cd)pyrene	770	U
Isophorone	770	U
N-nitroso-di-n-propylamine	770	U
N-nitrosodiphenylamine	770	U
Naphthalene	770	U
Nitrobenzene	770	U
Pentachlorophenol	3700	U
Phenanthrene	770	U
Phenol	770	U
Pyrene	770	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	12	U
1,1,2,2-tetrachloroethane	12	U
1,1,2-trichloroethane	12	U
1,1-dichloroethane	12	U
1,1-dichloroethene	12	U
1,2-dichloroethane	12	U
1,2-dichloroethene	12	U
1,2-dichloropropane	12	U
2-butanone	23	U
2-hexanone	23	U
4-methyl-2-pentanone	23	U
Acetone	23	
Benzene	12	U

PARAMETER	RESULT	QUAL
Bis(2-chloroisopropyl)ether	770	U
Bromodichloromethane	12	U
Bromoform	12	U
Bromomethane	23	U
Carbon disulfide	12	U
Carbon tetrachloride	12	U
Chlorobenzene	12	U
Chloroethane	23	U
Chloroform	12	U
Chloromethane	23	U
Cis-1,3-dichloropropene	12	U
Dibromochloromethane	12	U
Ethylbenzene	12	U
Methylene chloride	17	B
Styrene	12	U
Tetrachloroethene	12	U
Toluene	12	U
Trans-1,3-dichloropropene	12	U
Trichloroethene	12	U
Vinyl acetate	23	U
Vinyl chloride	23	U
Xylenes, total	12	U
PESTICIDES/PCBs		
4,4'-DDD	35	U
4,4'-DDE	35	U
4,4'-DDT	35	U
Aldrin	18	U
alpha-BHC	18	U
alpha-chlordane	180	U
Aroclor-1016	180	U
Aroclor-1221	180	U
Aroclor-1232	180	U
Aroclor-1242	180	U
Aroclor-1248	180	U
Aroclor-1254	350	U
Aroclor-1260	350	U
beta-BHC	18	U
delta-BHC	18	U
Dieldrin	35	U
Endosulfan I	18	U
Endosulfan II	35	U
Endosulfan sulfate	35	U
Endrin	35	U
Endrin ketone	35	U
gamma-BHC (lindane)	18	U
gamma-chlordane	180	U
Heptachlor	18	U
Heptachlor epoxide	18	U
Methoxychlor	180	U
Toxaphene	350	U

PARAMETER	RESULT	QUAL
I7SS-2(IT) AS1028 IT(1994) 0 In		
INORGANICS (mg/kg)		
Antimony	5.5	U
Arsenic	4	
Barium	6.1	B
Beryllium	0.18	U
Cadmium	0.92	U
Chromium	5	
Cobalt	3.7	U
Copper	2.8	B
Lead	6.1	
Mercury	0.05	
Nickel	3.7	U
Selenium	0.37	U
Silver	0.92	U
Thallium	0.37	U
Tin	5.5	U
Vanadium	1.8	U
Zinc	7	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	3	U
1,3-dichlorobenzene	6.5	U
1,4-dichlorobenzene	4.9	U
Acenaphthene	20	U
Acenaphthylene	20	U
Anthracene	16	U
Benzo(a)anthracene	16	U
Benzo(a)pyrene	16	U
Benzo(b)fluoranthene	33	U*
Benzo(g,h,i)perylene	61	U*
Benzo(k)fluoranthene	30	U*
Chrysene	16	U
Dibenzo(a,h)anthracene	16	U
Fluoranthene	16	U
Fluorene	16	U
Indeno(1,2,3-cd)pyrene	16	U
Naphthalene	20	U
Phenanthrene	16	U
Pyrene	16	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.6	U
1,1,1-trichloroethane	0.6	U
1,1,2,2-tetrachloroethane	0.6	U
1,1,2-trichloroethane	0.4	U
1,1-dichloroethane	1.4	U
1,1-dichloroethene	2.6	U
1,2,3-trichloropropane	2	U
1,2-dichloroethane	0.6	U
1,2-dichloropropane	0.8	U
1-chlorohexane	2	U

PARAMETER	RESULT	QUAL
2-chloroethyl vinyl ether	2.6	U
Benzene	4	U
Bis(2-chloroisopropyl)ether	40	U
Bromobenzene	4	U
Bromodichloromethane	2	U
Bromoform	4	U
Bromomethane	2.4	U
Carbon tetrachloride	2.4	U
Chlorobenzene	4	U
Chloroethane	10	U
Chloroform	1	U
Chloromethane	1.6	U
Chlorotoluene	2	U
Cis-1,2-dichloroethene	2	U
Cis-1,3-dichloropropene	6.9	U
Dibromochloromethane	1.8	U
Dibromomethane	4	U
Dichlorodifluoromethane	3.6	U
Ethylbenzene	4	U
Methylene chloride	30	U
Tetrachloroethene	0.6	U
Toluene	4	U
Trans-1,2-dichloroethene	2	U
Trans-1,3-dichloropropene	6.9	U
Trichloroethene	2.4	U
Trichlorofluoromethane	4	U
Vinyl chloride	3.6	U
Xylenes, total	2	U
I7SS-3(IT) AS1027 IT(1994) 0 In		
INORGANICS (mg/kg)		
Antimony	5.7	U
Arsenic	3.8	
Barium	5.6	B
Beryllium	0.19	U
Cadmium	0.96	U
Chromium	4.8	
Cobalt	3.8	U
Copper	3.4	B
Lead	6.2	
Mercury	0.04	
Nickel	3.8	U
Selenium	0.38	U
Silver	0.96	U
Thallium	0.38	U
Tin	5.7	U
Vanadium	1.9	U
Zinc	9.2	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	3.2	U
1,3-dichlorobenzene	6.8	U

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PARAMETER	RESULT	QUAL
1,4-dichlorobenzene	5.1	U
Acenaphthene	21	U
Acenaphthylene	21	U
Anthracene	17	U
Benzo(a)anthracene	17	U
Benzo(a)pyrene	17	U
Benzo(b)fluoranthene	17	U
Benzo(g,h,i)perylene	39	U*
Benzo(k)fluoranthene	17	U
Chrysene	17	U
Dibenzo(a,h)anthracene	82	U*
Fluoranthene	17	U
Fluorene	17	U
Indeno(1,2,3-cd)pyrene	17	U
Naphthalene	21	U
Phenanthrene	94	U*
Pyrene	17	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.6	U
1,1,1-trichloroethane	0.6	U
1,1,2,2-tetrachloroethane	0.6	U
1,1,2-trichloroethane	0.4	U
1,1-dichloroethane	1.5	U
1,1-dichloroethene	2.7	U
1,2,3-trichloropropane	2.1	U
1,2-dichloroethane	0.6	U
1,2-dichloropropane	0.8	U
1-chlorohexane	2.1	U
2-chloroethyl vinyl ether	2.7	U
Benzene	4.2	U
Bis(2-chloroisopropyl)ether	42	U
Bromobenzene	4.2	U
Bromodichloromethane	2.1	U
Bromoform	4.2	U
Bromomethane	2.5	U
Carbon tetrachloride	2.5	U
Chlorobenzene	4.2	U
Chloroethane	11	U
Chloroform	1.1	U
Chloromethane	1.7	U
Chlorotoluene	2.1	U
Cis-1,2-dichloroethene	2.1	U
Cis-1,3-dichloropropene	7.2	U
Dibromochloromethane	1.9	U
Dibromomethane	4.2	U
Dichlorodifluoromethane	3.8	U
Ethylbenzene	4.2	U
Methylene chloride	32	U
Tetrachloroethene	0.6	U
Toluene	4.2	U

PARAMETER	RESULT	QUAL
Trans-1,2-dichloroethene	2.1	U
Trans-1,3-dichloropropene	7.2	U
Trichloroethene	2.5	U
Trichlorofluoromethane	4.2	U
Vinyl chloride	3.8	U
Xylenes, total	2.1	U
I7SS-4(IT) AS1025 IT(1994) 0 in		
INORGANICS (mg/kg)		
Antimony	7.8	U
Arsenic	5.8	
Barium	16.8	B
Beryllium	0.26	U
Cadmium	1.3	U
Chromium	6.3	
Cobalt	5.2	U
Copper	9.7	
Lead	8.7	
Mercury	0.08	
Nickel	5.2	U
Selenium	0.52	U
Silver	1.3	U
Thallium	0.52	U
Tin	7.8	U
Vanadium	2.6	U
Zinc	12.3	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	2.9	U
1,3-dichlorobenzene	6.2	U
1,4-dichlorobenzene	4.7	U
Acenaphthene	19	U
Acenaphthylene	19	U
Anthracene	16	U
Benzo(a)anthracene	16	U
Benzo(a)pyrene	16	U
Benzo(b)fluoranthene	16	U
Benzo(g,h,i)perylene	53	U*
Benzo(k)fluoranthene	16	U
Chrysene	16	U
Dibenzo(a,h)anthracene	65	U*
Fluoranthene	16	U
Fluorene	16	U
Indeno(1,2,3-cd)pyrene	16	U
Naphthalene	19	U
Phenanthrene	60	U*
Pyrene	16	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.6	U
1,1,1-trichloroethane	0.6	U
1,1,2,2-tetrachloroethane	0.6	U
1,1,2-trichloroethane	0.4	U

PARAMETER	RESULT	QUAL
1,1-dichloroethane	1.4	U
1,1-dichloroethene	2.5	U
1,2,3-trichloropropane	1.9	U
1,2-dichloroethane	0.6	U
1,2-dichloropropane	0.8	U
1-chlorohexane	1.9	U
2-chloroethyl vinyl ether	2.5	U
Benzene	3.9	U
Bis(2-chloroisopropyl)ether	39	U
Bromobenzene	3.9	U
Bromodichloromethane	1.9	U
Bromoform	3.9	U
Bromomethane	2.3	U
Carbon tetrachloride	2.3	U
Chlorobenzene	3.9	U
Chloroethane	10	U
Chloroform	1	U
Chloromethane	1.6	U
Chlorotoluene	1.9	U
Cis-1,2-dichloroethene	1.9	U
Cis-1,3-dichloropropene	6.6	U
Dibromochloromethane	1.8	U
Dibromomethane	3.9	U
Dichlorodifluoromethane	3.5	U
Ethylbenzene	3.9	U
Methylene chloride	29.2	U
Tetrachloroethene	0.6	U
Toluene	3.9	U
Trans-1,2-dichloroethene	1.9	U
Trans-1,3-dichloropropene	6.6	U
Trichloroethene	2.3	U
Trichlorofluoromethane	3.9	U
Vinyl chloride	3.5	U
Xylenes, total	1.9	U
I7SS-5(IT) AS1023 IT(1994) 0 in		
INORGANICS (mg/kg)		
Antimony	8.6	U
Arsenic	6	
Barium	8.2	B
Beryllium	0.29	U
Cadmium	1.4	U
Chromium	8.7	
Cobalt	5.8	U
Copper	21.2	
Lead	32.5	
Mercury	0.24	U
Nickel	5.8	U
Selenium	0.58	U
Silver	1.4	U
Thallium	0.58	U

PARAMETER	RESULT	QUAL
Tin	8.6	U
Vanadium	2.9	U
Zinc	36.3	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	3.5	U
1,3-dichlorobenzene	7.4	U
1,4-dichlorobenzene	5.6	U
Acenaphthene	23	U
Acenaphthylene	23	U
Anthracene	18	U
Benzo(a)anthracene	18	U
Benzo(a)pyrene	24	U*
Benzo(b)fluoranthene	30	U*
Benzo(g,h,i)perylene	32	U*
Benzo(k)fluoranthene	21	U*
Chrysene	18	U
Dibenzo(a,h)anthracene	18	U
Fluoranthene	18	U
Fluorene	18	U
Indeno(1,2,3-cd)pyrene	22	U*
Naphthalene	23	U
Phenanthrene	140	U*
Pyrene	18	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.7	U
1,1,1-trichloroethane	0.7	U
1,1,2,2-tetrachloroethane	0.7	U
1,1,2-trichloroethane	0.5	U
1,1-dichloroethane	1.6	U
1,1-dichloroethene	3	U
1,2,3-trichloropropane	2.3	U
1,2-dichloroethane	0.7	U
1,2-dichloropropane	0.9	U
1-chlorohexane	2.3	U
2-chloroethyl vinyl ether	3	U
Benzene	4.7	U
Bis(2-chloroisopropyl)ether	46	U
Bromobenzene	4.7	U
Bromodichloromethane	2.3	U
Bromoform	4.7	U
Bromomethane	2.8	U
Carbon tetrachloride	2.8	U
Chlorobenzene	4.7	U
Chloroethane	12	U
Chloroform	1.2	U
Chloromethane	1.9	U
Chlorotoluene	2.3	U
Cis-1,2-dichloroethene	2.3	U
Cis-1,3-dichloropropene	7.9	U
Dibromochloromethane	2.1	U

Keywest MOD01 Sup[illegible]mental RFI/RI Sites
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PARAMETER	RESULT	QUAL
Dibromomethane	4.7	U
Dichlorodifluoromethane	4.2	U
Ethylbenzene	4.7	U
Methylene chloride	35	U
Tetrachloroethene	0.7	U
Toluene	4.7	U
Trans-1,2-dichloroethene	2.3	U
Trans-1,3-dichloropropene	7.9	U
Trichloroethene	2.8	U
Trichlorofluoromethane	4.7	U
Vinyl chloride	4.2	U
Xylenes, total	2.3	U
I7SS-6(IT) AS1043 IT(1994) 0 in		
INORGANICS (mg/kg)		
Antimony	5.8	U
Arsenic	0.39	U
Barium	3.4	B
Beryllium	0.24	B
Cadmium	0.97	U
Chromium	4.8	
Cobalt	3.9	U
Copper	4	B
Lead	9.7	
Mercury	0.12	
Nickel	3.9	U
Selenium	0.39	U
Silver	0.97	U
Thallium	0.39	U
Tin	5.8	U
Vanadium	1.9	U
Zinc	7.2	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	2.8	U
1,3-dichlorobenzene	5.9	U
1,4-dichlorobenzene	4.5	U
Acenaphthene	29	U
Acenaphthylene	29	U
Anthracene	14	U
Benzo(a)anthracene	14	U
Benzo(a)pyrene	14	U
Benzo(b)fluoranthene	14	U
Benzo(g,h,i)perylene	14	U
Benzo(k)fluoranthene	14	U
Chrysene	14	U
Dibenzo(a,h)anthracene	14	U
Fluoranthene	14	U
Fluorene	14	U
Indeno(1,2,3-cd)pyrene	14	U
Naphthalene	29	U
Phenanthrene	28	U*

PARAMETER	RESULT	QUAL
Pyrene	14	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.6	U
1,1,1-trichloroethane	0.6	U
1,1,2,2-tetrachloroethane	0.6	U
1,1,2-trichloroethane	0.4	U
1,1-dichloroethane	1.3	U
1,1-dichloroethene	2.4	U
1,2,3-trichloropropane	1.9	U
1,2-dichloroethane	0.6	U
1,2-dichloropropane	0.7	U
1-chlorohexane	1.9	U
2-chloroethyl vinyl ether	2.4	U
Benzene	3.7	U
Bis(2-chloroisopropyl)ether	37	U
Bromobenzene	3.7	U
Bromodichloromethane	1.9	U
Bromoform	3.7	U
Bromomethane	2.2	U
Carbon tetrachloride	2.2	U
Chlorobenzene	3.7	U
Chloroethane	9.7	U
Chloroform	0.9	U
Chloromethane	1.5	U
Chlorotoluene	1.9	U
Cis-1,2-dichloroethene	1.9	U
Cis-1,3-dichloropropene	6.3	U
Dibromochloromethane	1.7	U
Dibromomethane	3.7	U
Dichlorodifluoromethane	3.3	U
Ethylbenzene	3.7	U
Methylene chloride	28	U*
Tetrachloroethene	0.6	U
Toluene	3.7	U
Trans-1,2-dichloroethene	1.9	U
Trans-1,3-dichloropropene	6.3	U
Trichloroethene	2.2	U
Trichlorofluoromethane	3.7	U
Vinyl chloride	3.3	U
Xylenes, total	1.9	U
I7SS-7(IT) AS1039/40-AV IT(1994) 0 in		
INORGANICS (mg/kg)		
Aluminum	278	
Antimony	5.45	U
Arsenic	2.1	B
Barium	4.35	B
Beryllium	0.205	B
Cadmium	0.91	U
Chromium	4.3	
Cobalt	3.65	U

PARAMETER	RESULT	QUAL
Copper	3.4	B
Cyanide	20	U
Iron	390	
Lead	5.3	
Manganese	3.15	B
Mercury	0.0325	
Nickel	3.65	U
Selenium	0.365	U
Silver	0.91	U
Thallium	0.365	U
Tin	9.5	B
Vanadium	1.8	U
Zinc	8.3	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	3550	U
1,2-dichlorobenzene	3550	U
1,3-dichlorobenzene	3550	U
1,4-dichlorobenzene	3550	U
2,4,5-trichlorophenol	17000	U
2,4,6-trichlorophenol	3550	U
2,4-dichlorophenol	3550	U
2,4-dimethylphenol	3550	U
2,4-dinitrophenol	17000	U
2,4-dinitrotoluene	3550	U
2,6-dinitrotoluene	3550	U
2-chloronaphthalene	3550	U
2-chlorophenol	3550	U
2-methyl-4,6-dinitrophenol	17000	U
2-methylnaphthalene	3550	U
2-methylphenol	3550	U
2-nitroaniline	17000	U
2-nitrophenol	3550	U
3,3'-dichlorobenzidine	7100	U
3-nitroaniline	17000	U
4-bromophenyl phenyl ether	3550	U
4-chloro-3-methylphenol	3550	U
4-chloroaniline	3550	U
4-chlorophenyl phenyl ether	3550	U
4-methylphenol	3550	U
4-nitroaniline	17000	U
4-nitrophenol	17000	U
Acenaphthene	3550	U
Acenaphthylene	3550	U
Anthracene	3550	U
Benzo(a)anthracene	3550	U
Benzo(a)pyrene	3550	U
Benzo(b)fluoranthene	3550	U
Benzo(g,h,i)perylene	3550	U
Benzo(k)fluoranthene	3550	U
Benzoic acid	17000	U

PARAMETER	RESULT	QUAL
Benzyl alcohol	3550	U
Bis(2-chloroethoxy)methane	3550	U
Bis(2-chloroethyl)ether	3550	U
Bis(2-ethylhexyl)phthalate	3550	U
Butyl benzyl phthalate	3550	U
Chrysene	3550	U
Di-n-butyl phthalate	3550	U
Di-n-octyl phthalate	3550	U
Dibenzo(a,h)anthracene	3550	U
Dibenzofuran	3550	U
Diethyl phthalate	3550	U
Dimethyl phthalate	3550	U
Fluoranthene	3550	U
Fluorene	3550	U
Hexachlorobenzene	3550	U
Hexachlorobutadiene	3550	U
Hexachlorocyclopentadiene	3550	U
Hexachloroethane	3550	U
Indeno(1,2,3-cd)pyrene	3550	U
Isophorone	3550	U
N-nitroso-di-n-propylamine	3550	U
N-nitrosodiphenylamine	3550	U
Naphthalene	3550	U
Nitrobenzene	3550	U
Pentachlorophenol	17000	U
Phenanthrene	3550	U
Phenol	3550	U
Pyrene	3550	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	10.5	U
1,1,2,2-tetrachloroethane	10.5	U
1,1,2-trichloroethane	10.5	U
1,1-dichloroethane	10.5	U
1,1-dichloroethene	10.5	U
1,2-dichloroethane	10.5	U
1,2-dichloroethene	10.5	U
1,2-dichloropropane	10.5	U
2-butanone	21.5	U
2-hexanone	21.5	U
4-methyl-2-pentanone	21.5	U
Acetone	51	
Benzene	10.5	U
Bis(2-chloroisopropyl)ether	3550	U
Bromodichloromethane	10.5	U
Bromoform	10.5	U
Bromomethane	21.5	U
Carbon disulfide	10.5	U
Carbon tetrachloride	10.5	U
Chlorobenzene	10.5	U
Chloroethane	21.5	U

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PARAMETER	RESULT	QUAL
Chloroform	10.5	U
Chloromethane	21.5	U
Cis-1,3-dichloropropene	10.5	U
Dibromochloromethane	10.5	U
Ethylbenzene	10.5	U
Methylene chloride	36	B
Styrene	10.5	U
Tetrachloroethene	10.5	U
Toluene	10.5	U
Trans-1,3-dichloropropene	10.5	U
Trichloroethene	10.5	U
Vinyl acetate	21.5	U
Vinyl chloride	21.5	U
Xylenes, total	10.5	U
PESTICIDES/PCBs		
4,4'-DDD	33	U
4,4'-DDE	33	U
4,4'-DDT	33	U
Aldrin	16.5	U
alpha-BHC	16.5	U
alpha-chlordane	165	U
Aroclor-1016	165	U
Aroclor-1221	165	U
Aroclor-1232	165	U
Aroclor-1242	165	U
Aroclor-1248	165	U
Aroclor-1254	330	U
Aroclor-1260	330	U
beta-BHC	16.5	U
delta-BHC	16.5	U
Dieldrin	33	U
Endosulfan I	16.5	U
Endosulfan II	33	U
Endosulfan sulfate	33	U
Endrin	33	U
Endrin ketone	33	U
gamma-BHC (lindane)	16.5	U
gamma-chlordane	165	U
Heptachlor	16.5	U
Heptachlor epoxide	16.5	U
Methoxychlor	165	U
Toxaphene	330	U
I7SS-8(IT) AS1037 IT(1994) 0 in		
INORGANICS (mg/kg)		
Antimony	5.5	U
Arsenic	0.92	B
Barium	3.6	B
Beryllium	0.18	U
Cadmium	1.1	
Chromium	4.9	

PARAMETER	RESULT	QUAL
Cobalt	3.6	U
Copper	46	
Lead	12.6	
Mercury	0.06	
Nickel	3.6	U
Selenium	0.36	U
Silver	0.91	U
Thallium	0.36	U
Tin	5.5	U
Vanadium	2	B
Zinc	18	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	2.7	U
1,3-dichlorobenzene	5.7	U
1,4-dichlorobenzene	4.3	U
Acenaphthene	16	U
Acenaphthylene	16	U
Anthracene	8	U
Benzo(a)anthracene	8	U
Benzo(a)pyrene	8	U
Benzo(b)fluoranthene	8	U
Benzo(g,h,i)perylene	8	U
Benzo(k)fluoranthene	8	U
Chrysene	8	U
Dibenzo(a,h)anthracene	8	U
Fluoranthene	8	U
Fluorene	8	U
Indeno(1,2,3-cd)pyrene	8	U
Naphthalene	16	U
Phenanthrene	34	
Pyrene	42	
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.5	U
1,1,1-trichloroethane	0.5	U
1,1,2,2-tetrachloroethane	0.5	U
1,1,2-trichloroethane	0.4	U
1,1-dichloroethane	1.2	U
1,1-dichloroethene	2.3	U
1,2,3-trichloropropane	1.8	U
1,2-dichloroethane	0.5	U
1,2-dichloropropane	0.7	U
1-chlorohexane	1.8	U
2-chloroethyl vinyl ether	2.3	U
Benzene	3.5	U
Bis(2-chloroisopropyl)ether	36	U
Bromobenzene	3.5	U
Bromodichloromethane	1.8	U
Bromoform	3.5	U
Bromomethane	2.1	U
Carbon tetrachloride	2.1	U

PARAMETER	RESULT	QUAL
Chlorobenzene	3.5	U
Chloroethane	9.2	U
Chloroform	0.9	U
Chloromethane	1.4	U
Chlorotoluene	1.8	U
Cis-1,2-dichloroethene	1.8	U
Cis-1,3-dichloropropene	6	U
Dibromochloromethane	1.6	U
Dibromomethane	3.5	U
Dichlorodifluoromethane	3.2	U
Ethylbenzene	3.5	U
Methylene chloride	27	U
Tetrachloroethene	0.5	U
Toluene	3.5	U
Trans-1,2-dichloroethene	1.8	U
Trans-1,3-dichloropropene	6	U
Trichloroethene	2.1	U
Trichlorofluoromethane	3.5	U
Vinyl chloride	3.2	U
Xylenes, total	1.8	U
I7SS-9(IT) AS1035 IT(1994) 0 in		
INORGANICS (mg/kg)		
Antimony	4.6	U
Arsenic	0.66	B
Barium	3.8	B
Beryllium	0.16	B
Cadmium	0.76	U
Chromium	4.3	
Cobalt	3	U
Copper	18.3	
Lead	12	
Mercury	0.04	
Nickel	3	U
Selenium	0.3	U
Silver	0.76	U
Thallium	0.3	U
Tin	4.6	U
Vanadium	1.9	B
Zinc	24.3	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	2.1	U
1,3-dichlorobenzene	4.5	U
1,4-dichlorobenzene	3.4	U
Acenaphthene	16	U
Acenaphthylene	16	U
Anthracene	8	U
Benzo(a)anthracene	8	U
Benzo(a)pyrene	8	U
Benzo(b)fluoranthene	8	U
Benzo(g,h,i)perylene	8	U

PARAMETER	RESULT	QUAL
Benzo(k)fluoranthene	8	U
Chrysene	8	U
Dibenzo(a,h)anthracene	8	U
Fluoranthene	8	U
Fluorene	8	U
Indeno(1,2,3-cd)pyrene	8	U
Naphthalene	16	U
Phenanthrene	32	
Pyrene	140	
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.3	U
1,1-dichloroethane	1	U
1,1-dichloroethene	1.8	U
1,2,3-trichloropropane	1.4	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.6	U
1-chlorohexane	1.4	U
2-chloroethyl vinyl ether	1.8	U
Benzene	2.8	U
Bis(2-chloroisopropyl)ether	28	U
Bromobenzene	2.8	U
Bromodichloromethane	1.4	U
Bromoform	2.8	U
Bromomethane	1.7	U
Carbon tetrachloride	1.7	U
Chlorobenzene	2.8	U
Chloroethane	7.3	U
Chloroform	0.7	U
Chloromethane	1.1	U
Chlorotoluene	1.4	U
Cis-1,2-dichloroethene	1.4	U
Cis-1,3-dichloropropene	4.8	U
Dibromochloromethane	1.3	U
Dibromomethane	2.8	U
Dichlorodifluoromethane	2.5	U
Ethylbenzene	2.8	U
Methylene chloride	21	U
Tetrachloroethene	0.4	U
Toluene	2.8	U
Trans-1,2-dichloroethene	1.4	U
Trans-1,3-dichloropropene	4.8	U
Trichloroethene	1.7	U
Trichlorofluoromethane	2.8	U
Vinyl chloride	2.5	U
Xylenes, total	1.4	U

Keywest MOD01 Sup mental RFI/RI Sites
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PARAMETER	RESULT	QUAL
I7SS-1 I7SS-1	B&RE	0 in
INORGANICS (mg/kg)		
Aluminum	298	
Antimony	0.71	U
Arsenic	2.7	
Barium	6.4	
Beryllium	0.04	U
Cadmium	0.07	U
Chromium	4.8	
Cobalt	0.36	U
Copper	21.5	
Iron	2080	
Lead	12.9	
Manganese	13.3	
Mercury	0.02	U
Nickel	1.8	
Selenium	0.71	U
Silver	0.36	U
Thallium	0.71	U
Vanadium	6	
Zinc	0.36	U
PESTICIDES/PCBs		
2,4,5-T	3.6	U
2,4,5-TP (silvex)	3.6	U
2,4-D	3.6	U
4,4'-DDD	2.4	
4,4'-DDE	13.3	J
4,4'-DDT	18.2	
Aldrin	1.2	U
alpha-BHC	2.2	
Aroclor-1016	7.2	U
Aroclor-1221	7.2	U
Aroclor-1232	7.2	U
Aroclor-1242	7.2	U
Aroclor-1248	7.2	U
Aroclor-1254	7.2	U
Aroclor-1260	7.2	U
beta-BHC	1.2	U
Chlordane	14.4	U
delta-BHC	1.2	U
Dieldrin	20.8	
Endosulfan I	10.7	J
Endosulfan II	2.3	U
Endosulfan sulfate	10.6	J
Endrin	2.3	U
Endrin aldehyde	0.64	J
gamma-BHC (lindane)	1.5	
Heptachlor	11	
Heptachlor epoxide	1.5	J
Methoxychlor	11.6	U

PARAMETER	RESULT	QUAL
Methyl parathion	2.9	U
Parathion	2.9	U
Phorate	2.9	U
Toxaphene	57.8	U
I7SS-10 I7SS-10	B&RE	0 in
INORGANICS (mg/kg)		
Aluminum	583	
Antimony	0.75	U
Arsenic	4.8	
Barium	10.9	
Beryllium	0.04	U
Cadmium	0.07	U
Chromium	5.4	U
Cobalt	0.37	U
Copper	6.8	
Cyanide	0.12	UJ
Iron	624	
Lead	9.6	
Manganese	7.8	
Mercury	0.03	U
Nickel	1.5	
Selenium	0.75	U
Silver	0.37	U
Thallium	0.75	U
Vanadium	3.3	
Zinc	0.37	U
PESTICIDES/PCBs		
2,4,5-T	3.9	U
2,4,5-TP (silvex)	3.9	U
2,4-D	3.9	U
4,4'-DDD	2.6	U
4,4'-DDE	2.6	U
4,4'-DDT	2.6	U
Aldrin	1.3	U
alpha-BHC	1.3	U
Aroclor-1016	8	U
Aroclor-1221	8	U
Aroclor-1232	8	U
Aroclor-1242	8	U
Aroclor-1248	8	U
Aroclor-1254	8	U
Aroclor-1260	8	U
beta-BHC	1.3	U
Chlordane	16	U
delta-BHC	1.3	U
Dieldrin	2.6	U
Endosulfan I	1.3	U
Endosulfan II	2.6	U
Endosulfan sulfate	2.6	U
Endrin	2.6	U

PARAMETER	RESULT	QUAL
Endrin aldehyde	2.6	U
gamma-BHC (lindane)	1.3	U
Heptachlor	1.3	U
Heptachlor epoxide	1.3	U
Methoxychlor	12.8	U
Methyl parathion	3.2	U
Parathion	3.2	U
Phorate	3.2	U
Toxaphene	63.8	U
I7SS-2 I7SS-2	B&RE	0 in
INORGANICS (mg/kg)		
Aluminum	372	
Antimony	0.64	U
Arsenic	1.3	
Barium	9.3	
Beryllium	0.03	U
Cadmium	0.06	U
Chromium	5.4	U
Cobalt	0.32	U
Copper	9.1	
Cyanide	0.11	UJ
Iron	482	
Lead	11.7	
Manganese	7.7	
Mercury	0.03	U
Nickel	1.4	
Selenium	0.64	U
Silver	0.32	U
Thallium	0.64	U
Vanadium	4	
Zinc	0.32	U
PESTICIDES/PCBs		
2,4,5-T	3.4	U
2,4,5-TP (silvex)	3.4	U
2,4-D	3.4	U
4,4'-DDD	11.1	U
4,4'-DDE	11.1	U
4,4'-DDT	19.8	
Aldrin	5.5	U
alpha-BHC	5.5	U
Aroclor-1016	34.6	U
Aroclor-1221	34.6	U
Aroclor-1232	34.6	U
Aroclor-1242	34.6	U
Aroclor-1248	34.6	U
Aroclor-1254	34.6	U
Aroclor-1260	146	
beta-BHC	5.5	U
Chlordane	69.2	U
delta-BHC	5.5	U

PARAMETER	RESULT	QUAL
Dieldrin	11.1	U
Endosulfan I	5.5	U
Endosulfan II	11.1	U
Endosulfan sulfate	11.1	U
Endrin	13.6	
Endrin aldehyde	11.1	U
gamma-BHC (lindane)	5.5	U
Heptachlor	5.5	U
Heptachlor epoxide	5.5	U
Methoxychlor	55.4	U
Methyl parathion	13.8	U
Parathion	13.8	U
Phorate	13.8	U
Toxaphene	277	U
I7SS-3 I7SS-3	B&RE	0 in
INORGANICS (mg/kg)		
Aluminum	309	
Antimony	0.57	U
Arsenic	1.7	
Barium	5.4	
Beryllium	0.03	U
Cadmium	0.06	U
Chromium	3.9	U
Cobalt	0.29	U
Copper	10.4	
Cyanide	0.09	UJ
Iron	1380	
Lead	14.9	
Manganese	9.2	
Mercury	0.05	
Nickel	3.8	
Selenium	0.57	U
Silver	0.29	U
Thallium	0.57	U
Vanadium	4	
Zinc	0.29	U
PESTICIDES/PCBs		
2,4,5-T	3	U
2,4,5-TP (silvex)	3	U
2,4-D	3	U
4,4'-DDD	2	U
4,4'-DDE	2.8	
4,4'-DDT	2	U
Aldrin	0.98	U
alpha-BHC	0.98	U
Aroclor-1016	6.2	U
Aroclor-1221	6.2	U
Aroclor-1232	6.2	U
Aroclor-1242	6.2	U
Aroclor-1248	6.2	U

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PARAMETER	RESULT	QUAL
Aroclor-1254	6.2	U
Aroclor-1260	6.2	U
beta-BHC	0.98	U
Chlordane	12.3	U
delta-BHC	0.98	U
Dieldrin	2	U
Endosulfan I	2.4	
Endosulfan II	2	U
Endosulfan sulfate	2	U
Endrin	2	U
Endrin aldehyde	2	U
gamma-BHC (lindane)	0.98	U
Heptachlor	0.56	J
Heptachlor epoxide	0.98	U
Methoxychlor	9.8	U
Methyl parathion	2.5	U
Parathion	2.5	U
Phorate	2.5	U
Toxaphene	49.2	U
I7SS-4 I7SS-4-AVG B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	224.5	
Antimony	0.7	U
Arsenic	1.9	
Barium	6.4	
Beryllium	0.035	U
Cadmium	0.075	U
Chromium	3.35	
Cobalt	0.35	U
Copper	11.7	
Iron	310	
Lead	42.15	
Manganese	6.4	
Mercury	0.0225	
Nickel	1.1	
Selenium	0.7	U
Silver	0.35	U
Thallium	0.7	U
Vanadium	6.45	
Zinc	0.35	U
PESTICIDES/PCBs		
2,4,5-T	3.55	U
2,4,5-TP (silvex)	3.55	U
2,4-D	3.55	U
4,4'-DDD	1.6	J
4,4'-DDE	1.6	J
4,4'-DDT	7.85	
Aldrin	1.15	U
alpha-BHC	1.15	U
Aroclor-1016	7.25	U

PARAMETER	RESULT	QUAL
Aroclor-1221	7.25	U
Aroclor-1232	7.25	U
Aroclor-1242	7.25	U
Aroclor-1248	7.25	U
Aroclor-1254	7.25	U
Aroclor-1260	7.25	U
beta-BHC	1.15	U
Chlordane	14.55	U
delta-BHC	1.45	
Dieldrin	2.3	U
Endosulfan I	1.15	U
Endosulfan II	2.3	U
Endosulfan sulfate	2.3	U
Endrin	2.3	U
Endrin aldehyde	2.3	U
gamma-BHC (lindane)	1.2	J
Heptachlor	1.15	U
Heptachlor epoxide	1.15	U
Methoxychlor	11.65	U
Methyl parathion	2.9	U
Parathion	2.9	U
Phorate	2.9	U
Toxaphene	58.25	U
I7SS-5 I7SS-5 B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	297	
Antimony	0.56	U
Arsenic	1.6	
Barium	5.5	
Beryllium	0.03	U
Cadmium	0.12	U
Chromium	4.2	U
Cobalt	0.35	
Copper	35.4	
Cyanide	0.09	UJ
Iron	17.4	
Lead	19.6	
Manganese	10.1	
Mercury	0.03	
Nickel	2.2	
Selenium	0.56	U
Silver	0.28	U
Thallium	0.56	U
Vanadium	3.3	
Zinc	21.6	
PESTICIDES/PCBs		
2,4,5-T	2.8	U
2,4,5-TP (silvex)	2.8	U
2,4-D	2.8	U
4,4'-DDD	4.5	

PARAMETER	RESULT	QUAL
4,4'-DDE	23.2	
4,4'-DDT	32.1	
Aldrin	0.93	U
alpha-BHC	0.93	U
Aroclor-1016	5.8	U
Aroclor-1221	5.8	U
Aroclor-1232	5.8	U
Aroclor-1242	5.8	U
Aroclor-1248	5.8	U
Aroclor-1254	47	J
Aroclor-1260	5.8	U
beta-BHC	0.93	U
Chlordane	11.6	U
delta-BHC	0.93	U
Dieldrin	1.8	U
Endosulfan I'	2.9	
Endosulfan II	1.8	U
Endosulfan sulfate	1.8	U
Endrin	1.8	U
Endrin aldehyde	1.8	U
gamma-BHC (lindane)	0.93	U
Heptachlor	0.93	U
Heptachlor epoxide	0.93	U
Methoxychlor	9.3	U
Methyl parathion	2.3	U
Parathion	2.3	U
Phorate	2.3	U
Toxaphene	46.3	U
I7SS-6 I7SS-6 B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	618	
Antimony	0.74	U
Arsenic	3.6	
Barium	8.6	
Beryllium	0.04	U
Cadmium	0.12	U
Chromium	4.5	U
Cobalt	0.37	U
Copper	6.3	
Cyanide	0.13	UJ
Iron	576	
Lead	8.8	
Manganese	8.3	
Mercury	0.03	U
Nickel	1.7	
Selenium	0.74	U
Silver	0.37	U
Thallium	0.74	U
Vanadium	4.7	
Zinc	0.37	U

PARAMETER	RESULT	QUAL
PESTICIDES/PCBs		
2,4,5-T	4	U
2,4,5-TP (silvex)	4	U
2,4-D	4	U
4,4'-DDD	2.6	U
4,4'-DDE	2.6	U
4,4'-DDT	2.6	U
Aldrin	1.3	U
alpha-BHC	1.3	U
Aroclor-1016	8.3	U
Aroclor-1221	8.3	U
Aroclor-1232	8.3	U
Aroclor-1242	8.3	U
Aroclor-1248	8.3	U
Aroclor-1254	8.3	U
Aroclor-1260	8.3	U
beta-BHC	1.3	U
Chlordane	16.6	U
delta-BHC	1.3	U
Dieldrin	2.6	U
Endosulfan I	1.3	U
Endosulfan II	2.6	U
Endosulfan sulfate	2.6	U
Endrin	2.6	U
Endrin aldehyde	2.6	U
gamma-BHC (lindane)	1.3	U
Heptachlor	1.3	U
Heptachlor epoxide	1.3	U
Methoxychlor	13.2	U
Methyl parathion	3.3	U
Parathion	3.3	U
Phorate	3.3	U
Toxaphene	66.3	U
I7SS-7 I7SS-7 B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	281	
Antimony	0.71	U
Arsenic	2.5	
Barium	7.5	
Beryllium	0.04	U
Cadmium	0.07	U
Chromium	3.6	U
Cobalt	0.35	U
Copper	15.1	
Cyanide	0.12	UJ
Iron	448	
Lead	16.5	
Manganese	4.9	
Mercury	0.03	U
Nickel	1.1	

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PARAMETER	RESULT	QUAL
Selenium	0.71	U
Silver	0.35	U
Thallium	0.71	U
Vanadium	3.4	
Zinc	0.35	U
PESTICIDES/PCBs		
2,4,5-T	3.6	U
2,4,5-TP (silvex)	3.6	U
2,4-D	3.6	U
4,4'-DDD	2.6	
4,4'-DDE	2.3	J
4,4'-DDT	2.4	U
Aldrin	1.2	U
alpha-BHC	1.2	U
Aroclor-1016	7.5	U
Aroclor-1221	7.5	U
Aroclor-1232	7.5	U
Aroclor-1242	7.5	U
Aroclor-1248	7.5	U
Aroclor-1254	7.5	U
Aroclor-1260	7.5	U
beta-BHC	1.2	U
Chlordane	15	U
delta-BHC	1.2	U
Dieldrin	2.4	U
Endosulfan I	1.2	U
Endosulfan II	2.4	U
Endosulfan sulfate	2.4	U
Endrin	2.4	U
Endrin aldehyde	2.4	U
gamma-BHC (lindane)	1.2	U
Heptachlor	1.2	U
Heptachlor epoxide	1.2	U
Methoxychlor	12	U
Methyl parathion	3	U
Parathion	3	U
Phorate	3	U
Toxaphene	60.1	U
I7SS-8 I7SS-8	B&RE	0 in
INORGANICS (mg/kg)		
Aluminum	1010	
Antimony	0.84	U
Arsenic	7.6	
Barium	14.9	
Beryllium	0.04	U
Cadmium	0.08	U
Chromium	7.4	U
Cobalt	0.42	U
Copper	13	
Cyanide	0.15	UJ

PARAMETER	RESULT	QUAL
Iron	1070	
Lead	15.4	
Manganese	12.6	
Mercury	0.14	
Nickel	2.5	
Selenium	0.84	U
Silver	0.42	U
Thallium	0.84	U
Vanadium	4.9	
Zinc	0.42	U
PESTICIDES/PCBs		
2,4,5-T	4.5	U
2,4,5-TP (silvex)	4.5	U
2,4-D	4.5	U
4,4'-DDD	3	U
4,4'-DDE	3	U
4,4'-DDT	3	U
Aldrin	1.5	U
alpha-BHC	1.5	U
Aroclor-1016	9.2	U
Aroclor-1221	9.2	U
Aroclor-1232	9.2	U
Aroclor-1242	9.2	U
Aroclor-1248	9.2	U
Aroclor-1254	9.2	U
Aroclor-1260	9.2	U
beta-BHC	1.5	U
Chlordane	18.5	U
delta-BHC	1.5	U
Dieldrin	3	U
Endosulfan I	1.5	U
Endosulfan II	3	U
Endosulfan sulfate	3	U
Endrin	3	U
Endrin aldehyde	3	U
gamma-BHC (lindane)	1.5	J
Heptachlor	1.5	U
Heptachlor epoxide	1.5	U
Methoxychlor	14.8	U
Methyl parathion	3.7	U
Parathion	3.7	U
Phorate	3.7	U
Toxaphene	74	U
I7SS-9 I7SS-9	B&RE	0 in
INORGANICS (mg/kg)		
Aluminum	922	
Antimony	0.98	U
Arsenic	9.7	
Barium	16.3	
Beryllium	0.05	U

PARAMETER	RESULT	QUAL
Cadmium	0.13	U
Chromium	7.4	U
Cobalt	0.49	U
Copper	9	
Cyanide	0.17	UJ
Iron	978	
Lead	14	
Manganese	10.3	
Mercury	0.04	U
Nickel	2.7	
Selenium	0.98	U
Silver	0.49	U
Thallium	0.98	U
Vanadium	5	
Zinc	0.49	U
PESTICIDES/PCBs		
2,4,5-T	5.2	U
2,4,5-TP (silvex)	5.2	U
2,4-D	5.2	U
4,4'-DDD	3.4	U
4,4'-DDE	3.4	U
4,4'-DDT	3.4	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	10.7	U
Aroclor-1221	10.7	U
Aroclor-1232	10.7	U
Aroclor-1242	10.7	U
Aroclor-1248	10.7	U
Aroclor-1254	10.7	U
Aroclor-1260	10.7	U
beta-BHC	1.7	U
Chlordane	21.4	U
delta-BHC	1.7	U
Dieldrin	3.4	U
Endosulfan I	1.7	U
Endosulfan II	3.4	U
Endosulfan sulfate	3.4	U
Endrin	3.4	U
Endrin aldehyde	3.4	U
gamma-BHC (lindane)	2	J
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Methoxychlor	17.1	U
Methyl parathion	4.3	U
Parathion	4.3	U
Phorate	4.3	U
Toxaphene	85.5	U
IR 8		
I8S-1 S-1	IT(1991)	0 in

PARAMETER	RESULT	QUAL
INORGANICS (mg/kg)		
Aluminum	1840	
Antimony	3.6	U
Arsenic	6.7	
Barium	38.8	
Beryllium	0.12	U
Cadmium	0.94	
Chromium	12.1	
Cobalt	2.4	U
Copper	121	
Cyanide	0.5	U
Iron	4060	
Lead	252	
Manganese	54	
Mercury	0.02	U
Nickel	17	
Selenium	1.2	UW
Silver	0.6	U
Thallium	3.6	U
Vanadium	20.1	
Zinc	420	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	760	U
1,2-dichlorobenzene	760	U
1,3-dichlorobenzene	760	U
1,4-dichlorobenzene	760	U
2,4,5-trichlorophenol	3700	U
2,4,6-trichlorophenol	760	U
2,4-dichlorophenol	760	U
2,4-dimethylphenol	760	U
2,4-dinitrophenol	3700	U
2,4-dinitrotoluene	760	U
2,6-dinitrotoluene	760	U
2-chloronaphthalene	760	U
2-chlorophenol	760	U
2-methyl-4,6-dinitrophenol	3700	U
2-methylnaphthalene	760	U
2-methylphenol	760	U
2-nitroaniline	3700	U
2-nitrophenol	760	U
3,3'-dichlorobenzidine	1500	U
3-nitroaniline	3700	U
4-bromophenyl phenyl ether	760	U
4-chloro-3-methylphenol	760	U
4-chloroaniline	760	U
4-chlorophenyl phenyl ether	760	U
4-methylphenol	760	U
4-nitroaniline	3700	U
4-nitrophenol	3700	U
Acenaphthene	760	U

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PARAMETER	RESULT	QUAL
Acenaphthylene	760	U
Anthracene	760	U
Benzo(a)anthracene	760	U
Benzo(a)pyrene	760	U
Benzo(b)fluoranthene	760	U
Benzo(g,h,i)perylene	760	U
Benzo(k)fluoranthene	760	U
Benzoic acid	3700	U
Benzyl alcohol	760	U
Bis(2-chloroethoxy)methane	760	U
Bis(2-chloroethyl)ether	760	U
Bis(2-ethylhexyl)phthalate	1100	
Butyl benzyl phthalate	760	U
Chrysene	760	U
Di-n-butyl phthalate	760	U
Di-n-octyl phthalate	760	U
Dibenzo(a,h)anthracene	760	U
Dibenzofuran	760	U
Diethyl phthalate	760	U
Dimethyl phthalate	760	U
Fluoranthene	760	U
Fluorene	760	U
Hexachlorobenzene	760	U
Hexachlorobutadiene	760	U
Hexachlorocyclopentadiene	760	U
Hexachloroethane	760	U
Indeno(1,2,3-cd)pyrene	760	U
Isophorone	760	U
N-nitroso-di-n-butylamine	760	U
N-nitroso-di-n-propylamine	760	U
N-nitrosodiphenylamine	760	U
Naphthalene	760	U
Nitrobenzene	760	U
Pentachlorophenol	3700	U
Phenanthrene	760	U
Phenol	760	U
Pyrene	760	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	6	U
1,1,2,2-tetrachloroethane	6	U
1,1,2-trichloroethane	6	U
1,1-dichloroethane	6	U
1,1-dichloroethene	6	U
1,2-dichloroethane	6	U
1,2-dichloroethene	6	U
1,2-dichloropropane	6	U
2-butanone	12	U
2-hexanone	12	U
4-methyl-2-pentanone	12	U
Acetone	5	J

PARAMETER	RESULT	QUAL
Benzene	6	U
Bis(2-chloroisopropyl)ether	760	U
Bromodichloromethane	6	U
Bromoform	6	U
Bromomethane	12	U
Carbon disulfide	6	U
Carbon tetrachloride	6	U
Chlorobenzene	6	U
Chloroethane	12	U
Chloroform	6	U
Chloromethane	12	U
Cis-1,3-dichloropropene	6	U
Dibromochloromethane	6	U
Ethylbenzene	6	U
Methylene chloride	14	
Styrene	6	U
Tetrachloroethene	6	U
Toluene	5	J
Trans-1,3-dichloropropene	6	U
Trichloroethene	6	U
Vinyl acetate	12	U
Vinyl chloride	12	U
Xylenes, total	6	U
PESTICIDES/PCBs		
4,4'-DDD	18	U
4,4'-DDE	18	U
4,4'-DDT	18	U
Aldrin	9.2	U
alpha-BHC	9.2	U
alpha-chlordane	92	U
Aroclor-1016	92	U
Aroclor-1221	92	U
Aroclor-1232	92	U
Aroclor-1242	92	U
Aroclor-1248	92	U
Aroclor-1254	180	U
Aroclor-1260	180	U
beta-BHC	9.2	U
delta-BHC	9.2	U
Dieldrin	18	U
Endosulfan I	9.2	U
Endosulfan II	18	U
Endosulfan sulfate	18	U
Endrin	18	U
Endrin ketone	18	U
gamma-BHC (lindane)	9.2	U
gamma-chlordane	92	U
Heptachlor	9.2	U
Heptachlor epoxide	9.2	U
Methoxychlor	92	U

PARAMETER	RESULT	QUAL
Toxaphene	180	U
I8S-2 S-2	IT(1991)	0 In
INORGANICS (mg/kg)		
Aluminum	17400	
Antimony	20.3	
Arsenic	43.5	
Barium	105	
Beryllium	0.11	U
Cadmium	11.4	
Chromium	70.7	
Cobalt	10.1	
Copper	685	
Cyanide	0.5	U
Iron	1.1	U
Lead	1680	
Manganese	524	
Mercury	1.6	
Nickel	65.4	
Selenium	1.1	UW
Silver	2.4	
Thallium	168	
Vanadium	15.2	
Zinc	1620	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	730	U
1,2-dichlorobenzene	730	U
1,3-dichlorobenzene	730	U
1,4-dichlorobenzene	730	U
2,4,5-trichlorophenol	3500	U
2,4,6-trichlorophenol	730	U
2,4-dichlorophenol	730	U
2,4-dimethylphenol	730	U
2,4-dinitrophenol	3500	U
2,4-dinitrotoluene	730	U
2,6-dinitrotoluene	730	U
2-chloronaphthalene	730	U
2-chlorophenol	730	U
2-methyl-4,6-dinitrophenol	3500	U
2-methylnaphthalene	730	U
2-methylphenol	730	U
2-nitroaniline	3500	U
2-nitrophenol	730	U
3,3'-dichlorobenzidine	1500	U
3-nitroaniline	3500	U
4-bromophenyl phenyl ether	730	U
4-chloro-3-methylphenol	730	U
4-chloroaniline	730	U
4-chlorophenyl phenyl ether	730	U
4-methylphenol	730	U
4-nitroaniline	3500	U

PARAMETER	RESULT	QUAL
4-nitrophenol	3500	U
Acenaphthene	730	U
Acenaphthylene	730	U
Anthracene	730	U
Benzo(a)anthracene	730	U
Benzo(a)pyrene	730	U
Benzo(b)fluoranthene	730	U
Benzo(g,h,i)perylene	730	U
Benzo(k)fluoranthene	730	U
Benzoic acid	3500	U
Benzyl alcohol	730	U
Bis(2-chloroethoxy)methane	730	U
Bis(2-chloroethyl)ether	730	U
Bis(2-ethylhexyl)phthalate	600	J
Butyl benzyl phthalate	730	U
Chrysene	730	U
Di-n-butyl phthalate	730	U
Di-n-octyl phthalate	730	U
Dibenzo(a,h)anthracene	730	U
Dibenzofuran	730	U
Diethyl phthalate	730	U
Dimethyl phthalate	730	U
Fluoranthene	730	U
Fluorene	730	U
Hexachlorobenzene	730	U
Hexachlorobutadiene	730	U
Hexachlorocyclopentadiene	730	U
Hexachloroethane	730	U
Indeno(1,2,3-cd)pyrene	730	U
Isophorone	730	U
N-nitroso-di-n-propylamine	730	U
N-nitrosodiphenylamine	730	U
Naphthalene	730	U
Nitrobenzene	730	U
Pentachlorophenol	3500	U
Phenanthrene	730	U
Phenol	730	U
Pyrene	730	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	6	U
1,1,2,2-tetrachloroethane	6	U
1,1,2-trichloroethane	6	U
1,1-dichloroethane	6	U
1,1-dichloroethene	6	U
1,2-dichloroethane	6	U
1,2-dichloroethene	6	U
1,2-dichloropropane	6	U
2-butanone	11	U
2-hexanone	11	U
4-methyl-2-pentanone	11	U

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Sedime[illegible] Data Set

PARAMETER	RESULT	QUAL
Acetone	11	U
Benzene	6	U
Bis(2-chloroisopropyl)ether	730	U
Bromodichloromethane	6	U
Bromoform	6	U
Bromomethane	11	U
Carbon disulfide	6	U
Carbon tetrachloride	6	U
Chlorobenzene	6	U
Chloroethane	11	U
Chloroform	6	U
Chloromethane	11	U
Cis-1,3-dichloropropene	6	U
Dibromochloromethane	6	U
Ethylbenzene	6	U
Methylene chloride	7	
Styrene	6	U
Tetrachloroethene	6	U
Toluene	6	U
Trans-1,3-dichloropropene	6	U
Trichloroethene	6	U
Vinyl acetate	11	U
Vinyl chloride	11	U
Xylenes, total	6	U
PESTICIDES/PCBs		
4,4'-DDD	18	U
4,4'-DDE	180	D
4,4'-DDT	46	DJ
Aldrin	8.8	U
alpha-BHC	8.8	U
alpha-chlordane	88	U
Aroclor-1016	88	U
Aroclor-1221	88	U
Aroclor-1232	88	U
Aroclor-1242	88	U
Aroclor-1248	88	U
Aroclor-1254	180	U
Aroclor-1260	180	U
beta-BHC	8.8	U
delta-BHC	8.8	U
Dieldrin	18	U
Endosulfan I	8.8	U
Endosulfan II	18	U
Endosulfan sulfate	18	U
Endrin	18	U
Endrin ketone	18	U
gamma-BHC (lindane)	8.8	U
gamma-chlordane	88	U
Heptachlor	8.8	U
Heptachlor epoxide	8.8	U

PARAMETER	RESULT	QUAL
Methoxychlor	88	U
Toxaphene	180	U
I8S-3 S-3	IT(1991)	0 in
INORGANICS (mg/kg)		
Aluminum	3850	
Antimony	20.7	
Arsenic	15.8	
Barium	304	
Beryllium	0.11	U
Cadmium	3.3	
Chromium	28	
Cobalt	5.1	B
Copper	1100	
Iron	27100	
Lead	597	
Manganese	210	
Mercury	0.09	
Nickel	18.6	
Selenium	2.3	U
Silver	17.7	
Thallium	46.7	
Vanadium	12.1	
Zinc	1370	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	760	U
1,2-dichlorobenzene	760	U
1,3-dichlorobenzene	760	U
1,4-dichlorobenzene	760	U
2,4,5-trichlorophenol	3700	U
2,4,6-trichlorophenol	760	U
2,4-dichlorophenol	760	U
2,4-dimethylphenol	760	U
2,4-dinitrophenol	3700	U
2,4-dinitrotoluene	760	U
2,6-dinitrotoluene	760	U
2-chloronaphthalene	760	U
2-chlorophenol	760	U
2-methyl-4,6-dinitrophenol	3700	U
2-methylnaphthalene	760	U
2-methylphenol	760	U
2-nitroaniline	3700	U
2-nitrophenol	760	U
3,3'-dichlorobenzidine	1500	U
3-nitroaniline	3700	U
4-bromophenyl phenyl ether	760	U
4-chloro-3-methylphenol	760	U
4-chloroaniline	760	U
4-chlorophenyl phenyl ether	760	U
4-methylphenol	760	U
4-nitroaniline	3700	U

PARAMETER	RESULT	QUAL
4-nitrophenol	3700	U
Acenaphthene	760	U
Acenaphthylene	760	U
Anthracene	760	U
Benzo(a)anthracene	760	U
Benzo(a)pyrene	760	U
Benzo(b)fluoranthene	760	U
Benzo(g,h,i)perylene	93	J
Benzo(k)fluoranthene	760	U
Benzoic acid	3700	U
Benzyl alcohol	760	U
Bis(2-chloroethoxy)methane	760	U
Bis(2-chloroethyl)ether	760	U
Bis(2-ethylhexyl)phthalate	390	J
Butyl benzyl phthalate	760	U
Chrysene	760	U
Di-n-butyl phthalate	760	U
Di-n-octyl phthalate	760	U
Dibenzo(a,h)anthracene	760	U
Dibenzofuran	760	U
Diethyl phthalate	760	U
Dimethyl phthalate	760	U
Fluoranthene	760	U
Fluorene	760	U
Hexachlorobenzene	760	U
Hexachlorobutadiene	760	U
Hexachlorocyclopentadiene	760	U
Hexachloroethane	760	U
Indeno(1,2,3-cd)pyrene	760	U
Isophorone	760	U
N-nitroso-di-n-propylamine	760	U
N-nitrosodiphenylamine	760	U
Naphthalene	760	U
Nitrobenzene	760	U
Pentachlorophenol	3700	U
Phenanthrene	760	U
Phenol	760	U
Pyrene	760	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	6	U
1,1,2,2-tetrachloroethane	6	U
1,1,2-trichloroethane	6	U
1,1-dichloroethane	6	U
1,1-dichloroethene	6	U
1,2-dichloroethane	6	U
1,2-dichloroethene	6	U
1,2-dichloropropane	6	U
2-butanone	12	U
2-hexanone	12	U
4-methyl-2-pentanone	12	U

PARAMETER	RESULT	QUAL
Acetone	12	U
Benzene	6	U
Bis(2-chloroisopropyl)ether	760	U
Bromodichloromethane	6	U
Bromoform	6	U
Bromomethane	12	U
Carbon disulfide	6	U
Carbon tetrachloride	6	U
Chlorobenzene	6	U
Chloroethane	12	U
Chloroform	6	U
Chloromethane	12	U
Cis-1,3-dichloropropene	6	U
Dibromochloromethane	6	U
Ethylbenzene	6	U
Methylene chloride	7	
Styrene	6	U
Tetrachloroethene	6	U
Toluene	6	U
Trans-1,3-dichloropropene	6	U
Trichloroethene	6	U
Vinyl acetate	12	U
Vinyl chloride	12	U
Xylenes, total	6	U
PESTICIDES/PCBs		
4,4'-DDD	19	U
4,4'-DDE	15	J
4,4'-DDT	27	
Aldrin	9.3	U
alpha-BHC	9.3	U
alpha-chlordane	93	U
Aroclor-1016	93	U
Aroclor-1221	93	U
Aroclor-1232	93	U
Aroclor-1242	93	U
Aroclor-1248	93	U
Aroclor-1254	190	U
Aroclor-1260	190	U
beta-BHC	9.3	U
delta-BHC	9.3	U
Dieldrin	19	U
Endosulfan I	9.3	U
Endosulfan II	19	U
Endosulfan sulfate	19	U
Endrin	19	U
Endrin ketone	19	U
gamma-BHC (lindane)	9.3	U
gamma-chlordane	93	U
Heptachlor	9.3	U
Heptachlor epoxide	9.3	U

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PARAMETER	RESULT	QUAL
Methoxychlor	93	U
Toxaphene	190	U
I8SS-1(IT) AS1219	IT(1994)	0 in
INORGANICS (mg/kg)		
Antimony	6.4	U
Arsenic	1	B
Barium	5.8	B
Beryllium	0.21	U
Cadmium	1.1	U
Chromium	4.5	
Cobalt	4.2	U
Copper	3.4	B
Lead	14.8	
Mercury	0.06	
Nickel	4.2	U
Selenium	0.42	U
Silver	1.1	U
Thallium	0.42	U
Tin	6.4	U
Vanadium	3.1	B
Zinc	12	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	2.7	U
1,3-dichlorobenzene	5.8	U
1,4-dichlorobenzene	4.4	U
Acenaphthene	29	U
Acenaphthylene	29	U
Anthracene	14	U
Benzo(a)anthracene	14	U
Benzo(a)pyrene	41	
Benzo(b)fluoranthene	21	
Benzo(g,h,i)perylene	36	
Benzo(k)fluoranthene	9.8	
Chrysene	14	U
Dibenzo(a,h)anthracene	14	U
Fluoranthene	14	U
Fluorene	110	
Indeno(1,2,3-cd)pyrene	17	
Naphthalene	45	
Phenanthrene	24	
Pyrene	14	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.5	U
1,1,1-trichloroethane	0.5	U
1,1,2,2-tetrachloroethane	0.5	U
1,1,2-trichloroethane	0.4	U
1,1-dichloroethane	1.3	U
1,1-dichloroethene	2.4	U
1,2,3-trichloropropane	1.8	U
1,2-dichloroethane	0.5	U

PARAMETER	RESULT	QUAL
1,2-dichloropropane	0.7	U
1-chlorohexane	1.8	U
2-chloroethyl vinyl ether	2.4	U
Benzene	3.6	U
Bis(2-chloroisopropyl)ether	36.5	U
Bromobenzene	3.6	U
Bromodichloromethane	1.8	U
Bromoform	3.6	U
Bromomethane	2.2	U
Carbon tetrachloride	2.2	U
Chlorobenzene	3.6	U
Chloroethane	9.5	U
Chloroform	0.9	U
Chloromethane	1.5	U
Chlorotoluene	1.8	U
Cis-1,2-dichloroethene	1.8	U
Cis-1,3-dichloropropene	6.2	U
Dibromochloromethane	1.6	U
Dibromomethane	3.6	U
Dichlorodifluoromethane	3.3	U
Ethylbenzene	3.6	U
Methylene chloride	27.3	U
Tetrachloroethene	0.5	U
Toluene	3.6	U
Trans-1,2-dichloroethene	1.8	U
Trans-1,3-dichloropropene	6.2	U
Trichloroethene	2.2	U
Trichlorofluoromethane	3.6	U
Vinyl chloride	3.3	U
Xylenes, total	1.8	U
PESTICIDES/PCBs		
4,4'-DDD	9	C
4,4'-DDE	2	U
4,4'-DDT	8	C
Aldrin	2	U
alpha-BHC	2	U
beta-BHC	4	U
Chlordane	9	U
delta-BHC	6	U
Dieldrin	2	U
Endosulfan I	9	U
Endosulfan II	8	UNC*
Endosulfan sulfate	40	U
Endrin	5	U*
Endrin aldehyde	16	U
gamma-BHC (lindane)	3	U
Heptachlor	2	U
Heptachlor epoxide	60	U
Methoxychlor	120	U
Toxaphene	160	U

PARAMETER	RESULT	QUAL
I8SS-10(IT) AS1193	IT(1994)	0 in
INORGANICS (mg/kg)		
Aluminum	368	
Antimony	5.7	B
Arsenic	2.5	
Barium	5.7	B
Beryllium	0.16	U
Cadmium	0.8	U
Chromium	4.6	
Cobalt	3.2	U
Copper	4.9	
Iron	646	
Lead	21.6	
Manganese	5.3	
Mercury	0.27	
Nickel	3.2	U
Selenium	0.64	U
Silver	0.8	U
Thallium	0.32	U
Tin	12.8	B
Vanadium	2.1	B
Zinc	39.9	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	590	U
1,2-dichlorobenzene	590	U
1,3-dichlorobenzene	590	U
1,4-dichlorobenzene	590	U
2,4,5-trichlorophenol	2800	U
2,4,6-trichlorophenol	590	U
2,4-dichlorophenol	590	U
2,4-dimethylphenol	590	U
2,4-dinitrophenol	2800	U
2,4-dinitrotoluene	590	U
2,6-dinitrotoluene	590	U
2-chloronaphthalene	590	U
2-chlorophenol	590	U
2-methyl-4,6-dinitrophenol	2800	U
2-methylnaphthalene	590	U
2-methylphenol	590	U
2-nitroaniline	2800	U
2-nitrophenol	590	U
3,3'-dichlorobenzidine	1200	U
3-nitroaniline	2800	U
4-bromophenyl phenyl ether	590	U
4-chloro-3-methylphenol	590	U
4-chloroaniline	590	U
4-chlorophenyl phenyl ether	590	U
4-methylphenol	590	U
4-nitroaniline	2800	U
4-nitrophenol	2800	U

PARAMETER	RESULT	QUAL
Acenaphthene	590	U
Acenaphthylene	590	U
Anthracene	590	U
Benzo(a)anthracene	130	J
Benzo(a)pyrene	130	J
Benzo(b)fluoranthene	160	J
Benzo(g,h,i)perylene	590	U
Benzo(k)fluoranthene	140	J
Benzoic acid	2800	U
Benzyl alcohol	590	U
Bis(2-chloroethoxy)methane	590	U
Bis(2-chloroethyl)ether	590	U
Bis(2-ethylhexyl)phthalate	290	J
Butyl benzyl phthalate	590	U
Chrysene	160	J
Di-n-butyl phthalate	590	U
Di-n-octyl phthalate	590	U
Dibenzo(a,h)anthracene	590	U
Dibenzofuran	590	U
Diethyl phthalate	590	U
Dimethyl phthalate	590	U
Fluoranthene	210	J
Fluorene	590	U
Hexachlorobenzene	590	U
Hexachlorobutadiene	590	U
Hexachlorocyclopentadiene	590	U
Hexachloroethane	590	U
Indeno(1,2,3-cd)pyrene	80	J
Isophorone	590	U
N-nitroso-di-n-propylamine	590	U
N-nitrosodiphenylamine	590	U
Naphthalene	590	U
Nitrobenzene	590	U
Pentachlorophenol	2800	U
Phenanthrene	150	J
Phenol	590	U
Pyrene	230	J
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	9	U
1,1,2,2-tetrachloroethane	9	U
1,1,2-trichloroethane	9	U
1,1-dichloroethane	9	U
1,1-dichloroethene	9	U
1,2-dichloroethane	9	U
1,2-dichloroethene	9	U
1,2-dichloropropane	9	U
2-butanone	18	U
2-hexanone	18	U
4-methyl-2-pentanone	18	U
Acetone	72	

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PARAMETER	RESULT	QUAL
Benzene	9	U
Bis(2-chloroisopropyl)ether	590	U
Bromodichloromethane	9	U
Bromoform	9	U
Bromomethane	18	U
Carbon disulfide	9	U
Carbon tetrachloride	9	U
Chlorobenzene	9	U
Chloroethane	18	U
Chloroform	9	U
Chloromethane	18	U
Cis-1,3-dichloropropene	9	U
Dibromochloromethane	9	U
Ethylbenzene	9	U
Methylene chloride	22	B
Styrene	9	U
Tetrachloroethene	9	U
Toluene	9	U
Trans-1,3-dichloropropene	9	U
Trichloroethene	9	U
Vinyl acetate	18	U
Vinyl chloride	18	U
Xylenes, total	9	U
PESTICIDES/PCBs		
4,4'-DDD	29	U
4,4'-DDE	29	U
4,4'-DDT	29	U
Aldrin	15	U
alpha-BHC	15	U
alpha-chlordane	150	U
Aroclor-1016	150	U
Aroclor-1221	150	U
Aroclor-1232	150	U
Aroclor-1242	150	U
Aroclor-1248	150	U
Aroclor-1254	290	U
Aroclor-1260	290	U
beta-BHC	15	U
delta-BHC	15	U
Dieldrin	29	U
Endosulfan I	15	U
Endosulfan II	29	U
Endosulfan sulfate	29	U
Endrin	29	U
Endrin ketone	29	U
gamma-BHC (lindane)	15	U
gamma-chlordane	150	U
Heptachlor	15	U
Heptachlor epoxide	15	U
Methoxychlor	150	U

PARAMETER	RESULT	QUAL
Toxaphene	290	U
I8SS-2(IT) AS1210 IT(1994) 0 in		
INORGANICS (mg/kg)		
Antimony	6.9	U
Arsenic	4.1	
Barium	6.9	B
Beryllium	0.23	U
Cadmium	1.1	U
Chromium	5.5	
Cobalt	4.6	U
Copper	4.5	B
Lead	23.6	
Mercury	0.17	
Nickel	4.6	U
Selenium	0.46	U
Silver	1.1	U
Thallium	0.46	U
Tin	6.9	U
Vanadium	2.4	B
Zinc	24.1	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	3.1	U
1,3-dichlorobenzene	6.6	U
1,4-dichlorobenzene	4.9	U
Acenaphthene	33	U
Acenaphthylene	33	U
Anthracene	16	U
Benzo(a)anthracene	22	
Benzo(a)pyrene	41	
Benzo(b)fluoranthene	35	
Benzo(g,h,i)perylene	46	
Benzo(k)fluoranthene	20	
Chrysene	29	
Dibenzo(a,h)anthracene	16	U
Fluoranthene	45	
Fluorene	320	
Indeno(1,2,3-cd)pyrene	30	
Naphthalene	90	
Phenanthrene	58	
Pyrene	39	
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.6	U
1,1,1-trichloroethane	0.6	U
1,1,2,2-tetrachloroethane	0.6	U
1,1,2-trichloroethane	0.4	U
1,1-dichloroethane	1.4	U
1,1-dichloroethene	2.7	U
1,2,3-trichloropropane	2.1	U
1,2-dichloroethane	0.6	U
1,2-dichloropropane	0.8	U

PARAMETER	RESULT	QUAL
1-chlorohexane	2.1	U
2-chloroethyl vinyl ether	2.7	U
Benzene	4.1	U
Bis(2-chloroisopropyl)ether	41	U
Bromobenzene	4.1	U
Bromodichloromethane	2.1	U
Bromoform	4.1	U
Bromomethane	2.5	U
Carbon tetrachloride	2.5	U
Chlorobenzene	4.1	U
Chloroethane	11	U
Chloroform	1	U
Chloromethane	1.6	U
Chlorotoluene	2.1	U
Cis-1,2-dichloroethene	2.1	U
Cis-1,3-dichloropropene	7	U
Dibromochloromethane	1.9	U
Dibromomethane	4.1	U
Dichlorodifluoromethane	3.7	U
Ethylbenzene	4.1	U
Methylene chloride	31	U
Tetrachloroethene	0.6	U
Toluene	4.1	U
Trans-1,2-dichloroethene	2.1	U
Trans-1,3-dichloropropene	7	U
Trichloroethene	2.5	U
Trichlorofluoromethane	4.1	U
Vinyl chloride	3.7	U
Xylenes, total	2.1	U
PESTICIDES/PCBs		
4,4'-DDD	8	U
4,4'-DDE	2	U
4,4'-DDT	8	U
Aldrin	2	U
alpha-BHC	2	U
beta-BHC	4	U
Chlordane	9	U
delta-BHC	6	U
Dieldrin	2	U
Endosulfan I	9	U
Endosulfan II	2	U
Endosulfan sulfate	40	U
Endrin	4	U
Endrin aldehyde	16	U
gamma-BHC (lindane)	3	U
Heptachlor	2	U
Heptachlor epoxide	60	U
Methoxychlor	120	U
Toxaphene	160	U
I8SS-3(IT) AS1212 IT(1994) 0 in		

PARAMETER	RESULT	QUAL
INORGANICS (mg/kg)		
Antimony	6.1	U
Arsenic	1.4	B
Barium	7.1	B
Beryllium	0.2	U
Cadmium	1	U
Chromium	6.5	
Cobalt	4	U
Copper	5.4	
Lead	27.4	
Mercury	0.2	
Nickel	4	U
Selenium	0.4	U
Silver	1	U
Thallium	0.4	U
Tin	6.1	U
Vanadium	2.6	B
Zinc	24.7	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	2.7	U
1,3-dichlorobenzene	5.8	U
1,4-dichlorobenzene	4.3	U
Acenaphthene	29	U
Acenaphthylene	29	U
Anthracene	20	
Benzo(a)anthracene	80	
Benzo(a)pyrene	120	
Benzo(b)fluoranthene	100	
Benzo(g,h,i)perylene	100	
Benzo(k)fluoranthene	50	
Chrysene	87	
Dibenzo(a,h)anthracene	14	U
Fluoranthene	200	
Fluorene	110	
Indeno(1,2,3-cd)pyrene	100	
Naphthalene	45	
Phenanthrene	150	
Pyrene	153	
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.5	U
1,1,1-trichloroethane	0.5	U
1,1,2,2-tetrachloroethane	0.5	U
1,1,2-trichloroethane	0.4	U
1,1-dichloroethane	1.3	U
1,1-dichloroethene	2.3	U
1,2,3-trichloropropane	1.8	U
1,2-dichloroethane	0.5	U
1,2-dichloropropane	0.7	U
1-chlorohexane	1.8	U
2-chloroethyl vinyl ether	2.3	U

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PARAMETER	RESULT	QUAL
Benzene	3.6	U
Bis(2-chloroisopropyl)ether	36	U
Bromobenzene	3.6	U
Bromodichloromethane	1.8	U
Bromoform	3.6	U
Bromomethane	2.2	U
Carbon tetrachloride	2.2	U
Chlorobenzene	3.6	U
Chloroethane	9.3	U
Chloroform	0.9	U
Chloromethane	1.4	U
Chlorotoluene	1.8	U
Cis-1,2-dichloroethene	1.8	U
Cis-1,3-dichloropropene	6.1	U
Dibromochloromethane	1.6	U
Dibromomethane	3.6	U
Dichlorodifluoromethane	3.2	U
Ethylbenzene	3.6	U
Methylene chloride	27	U
Tetrachloroethene	0.5	U
Toluene	3.6	U
Trans-1,2-dichloroethene	1.8	U
Trans-1,3-dichloropropene	6.1	U
Trichloroethene	2.2	U
Trichlorofluoromethane	3.6	U
Vinyl chloride	3.2	U
Xylenes, total	1.8	U
PESTICIDES/PCBs		
4,4'-DDD	10	U*
4,4'-DDE	4	C
4,4'-DDT	16	UNC*
Aldrin	2	U
alpha-BHC	2	U
beta-BHC	4	U
Chlordane	16	U*
delta-BHC	6	U
Dieldrin	2	U
Endosulfan I	9	U
Endosulfan II	6	U*
Endosulfan sulfate	40	U
Endrin	15	UNC*
Endrin aldehyde	16	U
gamma-BHC (lindane)	3	U
Heptachlor	2	U
Heptachlor epoxide	60	U
Methoxychlor	120	U
Toxaphene	160	U
I8SS-4(IT) AS1215	IT(1994)	0 in
INORGANICS (mg/kg)		
Antimony	6.4	U

PARAMETER	RESULT	QUAL
Arsenic	4.4	
Barium	7.8	B
Beryllium	0.21	U
Cadmium	1.1	U
Chromium	5.6	
Cobalt	4.3	U
Copper	4.1	B
Lead	15.4	
Mercury	0.1	
Nickel	4.3	U
Selenium	0.85	U
Silver	1.1	U
Thallium	0.43	U
Tin	6.4	U
Vanadium	3.1	B
Zinc	16.6	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	3.1	U
1,3-dichlorobenzene	6.6	U
1,4-dichlorobenzene	5	U
Acenaphthene	33	U
Acenaphthylene	33	U
Anthracene	16	U
Benzo(a)anthracene	16	U
Benzo(a)pyrene	16	U
Benzo(b)fluoranthene	16	U
Benzo(g,h,i)perylene	16	U
Benzo(k)fluoranthene	16	U
Chrysene	16	U
Dibenzo(a,h)anthracene	16	U
Fluoranthene	49	
Fluorene	190	
Indeno(1,2,3-cd)pyrene	16	U
Naphthalene	64	
Phenanthrene	60	
Pyrene	40	
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.6	U
1,1,1-trichloroethane	0.6	U
1,1,2,2-tetrachloroethane	0.6	U
1,1,2-trichloroethane	0.4	U
1,1-dichloroethane	1.4	U
1,1-dichloroethene	2.7	U
1,2,3-trichloropropane	2.1	U
1,2-dichloroethane	0.6	U
1,2-dichloropropane	0.8	U
1-chlorohexane	2.1	U
2-chloroethyl vinyl ether	2.7	U
Benzene	4.1	U
Bis(2-chloroisopropyl)ether	41	U

PARAMETER	RESULT	QUAL
Bromobenzene	4.1	U
Bromodichloromethane	2.1	U
Bromoform	4.1	U
Bromomethane	2.5	U
Carbon tetrachloride	2.5	U
Chlorobenzene	4.1	U
Chloroethane	11	U
Chloroform	1	U
Chloromethane	1.7	U
Chlorotoluene	2.1	U
Cis-1,2-dichloroethene	2.1	U
Cis-1,3-dichloropropene	7	U
Dibromochloromethane	1.9	U
Dibromomethane	4.1	U
Dichlorodifluoromethane	3.7	U
Ethylbenzene	4.1	U
Methylene chloride	31	U
Tetrachloroethene	0.6	U
Toluene	4.1	U
Trans-1,2-dichloroethene	2.1	U
Trans-1,3-dichloropropene	7	U
Trichloroethene	2.5	U
Trichlorofluoromethane	4.1	U
Vinyl chloride	3.7	U
Xylenes, total	2.1	U
PESTICIDES/PCBs		
4,4'-DDD	8	U
4,4'-DDE	2	U
4,4'-DDT	8	U
Aldrin	2	U
alpha-BHC	2	U
beta-BHC	4	U
Chlordane	9	U
delta-BHC	6	U
Dieldrin	2	U
Endosulfan I	9	U
Endosulfan II	2	U
Endosulfan sulfate	40	U
Endrin	4	U
Endrin aldehyde	16	U
gamma-BHC (lindane)	3	U
Heptachlor	2	U
Heptachlor epoxide	60	U
Methoxychlor	120	U
Toxaphene	160	U
I8SS-5(IT) AS1216	IT(1994)	0 in
INORGANICS (mg/kg)		
Antimony	6.1	U
Arsenic	2.8	
Barium	5.6	B

PARAMETER	RESULT	QUAL
Beryllium	0.2	U
Cadmium	1	U
Chromium	4.7	
Cobalt	4.1	U
Copper	3.2	B
Lead	19.3	
Mercury	0.08	
Nickel	4.1	U
Selenium	0.82	U
Silver	1	U
Thallium	0.41	U
Tin	6.1	U
Vanadium	2.3	B
Zinc	19.1	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	2.8	U
1,3-dichlorobenzene	6	U
1,4-dichlorobenzene	4.5	U
Acenaphthene	30	U
Acenaphthylene	30	U
Anthracene	15	U
Benzo(a)anthracene	15	U
Benzo(a)pyrene	15	U
Benzo(b)fluoranthene	15	U
Benzo(g,h,i)perylene	15	U
Benzo(k)fluoranthene	15	U
Chrysene	15	U
Dibenzo(a,h)anthracene	15	U
Fluoranthene	26	
Fluorene	170	
Indeno(1,2,3-cd)pyrene	15	U
Naphthalene	59	
Phenanthrene	44	
Pyrene	28	
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.6	U
1,1,1-trichloroethane	0.6	U
1,1,2,2-tetrachloroethane	0.6	U
1,1,2-trichloroethane	0.4	U
1,1-dichloroethane	1.3	U
1,1-dichloroethene	2.5	U
1,2,3-trichloropropane	1.9	U
1,2-dichloroethane	0.6	U
1,2-dichloropropane	0.8	U
1-chlorohexane	1.9	U
2-chloroethyl vinyl ether	2.5	U
Benzene	3.6	U
Bis(2-chloroisopropyl)ether	38	U
Bromobenzene	3.6	U
Bromodichloromethane	1.9	U

Keywest MOD01 Su[illegible]mental RFI/RI Sites
Sedime[illegible] Data Set

PARAMETER	RESULT	QUAL
Bromoform	3.8	U
Bromomethane	2.3	U
Carbon tetrachloride	2.3	U
Chlorobenzene	3.8	U
Chloroethane	9.8	U
Chloroform	0.9	U
Chloromethane	1.5	U
Chlorotoluene	1.9	U
Cis-1,2-dichloroethene	1.9	U
Cis-1,3-dichloropropene	6.4	U
Dibromochloromethane	1.7	U
Dibromomethane	3.8	U
Dichlorodifluoromethane	3.4	U
Ethylbenzene	3.8	U
Methylene chloride	28	U
Tetrachloroethene	0.6	U
Toluene	3.8	U
Trans-1,2-dichloroethene	1.9	U
Trans-1,3-dichloropropene	6.4	U
Trichloroethene	2.3	U
Trichlorofluoromethane	3.8	U
Vinyl chloride	3.4	U
Xylenes, total	1.9	U
PESTICIDES/PCBs		
4,4'-DDD	8	U
4,4'-DDE	2	U
4,4'-DDT	8	U
Aldrin	2	U
alpha-BHC	2	U
beta-BHC	4	U
Chlordane	9	U
delta-BHC	6	U
Dieldrin	2	U
Endosulfan I	9	U
Endosulfan II	2	U
Endosulfan sulfate	40	U
Endrin	4	U
Endrin aldehyde	16	U
gamma-BHC (lindane)	3	U
Heptachlor	2	U
Heptachlor epoxide	60	U
Methoxychlor	120	U
Toxaphene	160	U
I8SS-6(IT) AS1185 IT(1994) 0 in		
INORGANICS (mg/kg)		
Antimony	3.8	U
Arsenic	2.4	
Barium	4	B
Beryllium	0.13	U
Cadmium	0.64	U

PARAMETER	RESULT	QUAL
Chromium	4.3	
Cobalt	2.6	U
Copper	7.9	
Lead	53.1	
Mercury	0.05	
Nickel	2.6	U
Selenium	0.77	U
Silver	0.64	U
Thallium	0.26	U
Tin	3.8	U
Vanadium	1.9	B
Zinc	21.3	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	2.5	U
1,3-dichlorobenzene	5.4	U
1,4-dichlorobenzene	4	U
Acenaphthene	16	U
Acenaphthylene	16	U
Anthracene	13	U
Benzo(a)anthracene	13	U
Benzo(a)pyrene	13	U
Benzo(b)fluoranthene	13	U
Benzo(g,h,i)perylene	13	U
Benzo(k)fluoranthene	13	U
Chrysene	13	U
Dibenzo(a,h)anthracene	13	U
Fluoranthene	13	U
Fluorene	210	U*
Indeno(1,2,3-cd)pyrene	13	U
Naphthalene	46	U*
Phenanthrene	51	U*
Pyrene	13	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.5	U
1,1,1-trichloroethane	0.5	U
1,1,2,2-tetrachloroethane	0.5	U
1,1,2-trichloroethane	0.3	U
1,1-dichloroethane	1.2	U
1,1-dichloroethene	2.2	U
1,2,3-trichloropropane	1.7	U
1,2-dichloroethane	0.5	U
1,2-dichloropropane	0.7	U
1-chlorohexane	1.7	U
2-chloroethyl vinyl ether	2.2	U
Benzene	3.3	U
Bis(2-chloroisopropyl)ether	34	U
Bromobenzene	3.3	U
Bromodichloromethane	1.7	U
Bromoform	3.3	U
Bromomethane	2	U

PARAMETER	RESULT	QUAL
Carbon tetrachloride	2	U
Chlorobenzene	3.3	U
Chloroethane	8.7	U
Chloroform	0.8	U
Chloromethane	1.3	U
Chlorotoluene	1.7	U
Cis-1,2-dichloroethene	1.7	U
Cis-1,3-dichloropropene	5.7	U
Dibromochloromethane	1.5	U
Dibromomethane	3.3	U
Dichlorodifluoromethane	3	U
Ethylbenzene	3.3	U
Methylene chloride	25	U
Tetrachloroethene	0.5	U
Toluene	3.3	U
Trans-1,2-dichloroethene	1.7	U
Trans-1,3-dichloropropene	5.7	U
Trichloroethene	2	U
Trichlorofluoromethane	3.3	U
Vinyl chloride	3	U
Xylenes, total	1.7	U
PESTICIDES/PCBs		
4,4'-DDD	8	U
4,4'-DDE	28	C
4,4'-DDT	14	C
Aldrin	2	U
alpha-BHC	2	U
beta-BHC	4	U
Chlordane	9	U
delta-BHC	6	U
Dieldrin	2	U
Endosulfan I	9	U
Endosulfan II	7	U*
Endosulfan sulfate	40	U
Endrin	4	U
Endrin aldehyde	16	U
gamma-BHC (lindane)	3	U
Heptachlor	2	U
Heptachlor epoxide	60	U
Methoxychlor	120	U
Toxaphene	160	U
I8SS-7(IT) AS1184 IT(1994) 0 in		
INORGANICS (mg/kg)		
Antimony	5	B
Arsenic	8.1	
Barium	4.3	B
Beryllium	0.13	U
Cadmium	0.63	U
Chromium	10.3	
Cobalt	4.3	B

PARAMETER	RESULT	QUAL
Copper	9.5	
Lead	16.4	
Mercury	0.03	U
Nickel	6.7	
Selenium	0.75	U
Silver	0.63	U
Thallium	0.25	U
Tin	55.6	
Vanadium	11	
Zinc	112	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	2.2	U
1,3-dichlorobenzene	4.8	U
1,4-dichlorobenzene	3.6	U
Acenaphthene	15	U
Acenaphthylene	15	U
Anthracene	14	U
Benzo(a)anthracene	15	
Benzo(a)pyrene	25	U*
Benzo(b)fluoranthene	20	U*
Benzo(g,h,i)perylene	34	U*
Benzo(k)fluoranthene	14	U
Chrysene	16	
Dibenzo(a,h)anthracene	14	U
Fluoranthene	48	
Fluorene	120	U*
Indeno(1,2,3-cd)pyrene	14	U
Naphthalene	27	U*
Phenanthrene	57	U*
Pyrene	28	
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.4	U
1,1,1-trichloroethane	0.4	U
1,1,2,2-tetrachloroethane	0.4	U
1,1,2-trichloroethane	0.3	U
1,1-dichloroethane	1	U
1,1-dichloroethene	1.9	U
1,2,3-trichloropropane	1.5	U
1,2-dichloroethane	0.4	U
1,2-dichloropropane	0.6	U
1-chlorohexane	1.5	U
2-chloroethyl vinyl ether	1.9	U
Benzene	3	U
Bis(2-chloroisopropyl)ether	30	U
Bromobenzene	3	U
Bromodichloromethane	1.5	U
Bromoform	3	U
Bromomethane	1.8	U
Carbon tetrachloride	1.8	U
Chlorobenzene	3	U

Keywest MOD01 Supplemental RFI/RI Sites
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PARAMETER	RESULT	QUAL
Chloroethane	7.8	U
Chloroform	0.7	U
Chloromethane	1.2	U
Chlorotoluene	1.5	U
Cis-1,2-dichloroethene	1.5	U
Cis-1,3-dichloropropene	5.1	U
Dibromochloromethane	1.3	U
Dibromomethane	3	U
Dichlorodifluoromethane	2.7	U
Ethylbenzene	3	U
Methylene chloride	22	U*
Tetrachloroethene	0.4	U
Toluene	3	U
Trans-1,2-dichloroethene	1.5	U
Trans-1,3-dichloropropene	5.1	U
Trichloroethene	1.8	U
Trichlorofluoromethane	3	U
Vinyl chloride	2.7	U
Xylenes, total	1.5	U
PESTICIDES/PCBs		
4,4'-DDD	8	U
4,4'-DDE	2	U
4,4'-DDT	8	U
Aldrin	2	U
alpha-BHC	2	U
beta-BHC	4	U
Chlordane	9	U
delta-BHC	6	U
Dieldrin	2	U
Endosulfan I	9	U
Endosulfan II	3	U*
Endosulfan sulfate	40	U
Endrin	4	U
Endrin aldehyde	16	U
gamma-BHC (lindane)	3	U
Heptachlor	2	U
Heptachlor epoxide	60	U
Methoxychlor	120	U
Toxaphene	160	U
I8SS-8(IT) AS1182 IT(1994) 0 in		
INORGANICS (mg/kg)		
Cyanide	16	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	510	U
1,2-dichlorobenzene	510	U
1,3-dichlorobenzene	510	U
1,4-dichlorobenzene	510	U
2,4,5-trichlorophenol	2500	U
2,4,6-trichlorophenol	510	U
2,4-dichlorophenol	510	U

PARAMETER	RESULT	QUAL
2,4-dimethylphenol	510	U
2,4-dinitrophenol	2500	U
2,4-dinitrotoluene	510	U
2,6-dinitrotoluene	510	U
2-chloronaphthalene	510	U
2-chlorophenol	510	U
2-methyl-4,6-dinitrophenol	2500	U
2-methylnaphthalene	510	U
2-methylphenol	510	U
2-nitroaniline	2500	U
2-nitrophenol	510	U
3,3'-dichlorobenzidine	1000	U
3-nitroaniline	2500	U
4-bromophenyl phenyl ether	510	U
4-chloro-3-methylphenol	510	U
4-chloroaniline	510	U
4-chlorophenyl phenyl ether	510	U
4-methylphenol	510	U
4-nitroaniline	2500	U
4-nitrophenol	2500	U
Acenaphthene	510	U
Acenaphthylene	510	U
Anthracene	510	U
Benzo(a)anthracene	110	J
Benzo(a)pyrene	83	J
Benzo(b)fluoranthene	110	J
Benzo(g,h,i)perylene	510	U
Benzo(k)fluoranthene	83	J
Benzoic acid	2500	U
Benzyl alcohol	510	U
Bis(2-chloroethoxy)methane	510	U
Bis(2-chloroethyl)ether	510	U
Bis(2-ethylhexyl)phthalate	820	B
Butyl benzyl phthalate	510	U
Chrysene	130	J
Di-n-butyl phthalate	160	J
Di-n-octyl phthalate	510	U
Dibenzo(a,h)anthracene	510	U
Dibenzofuran	510	U
Diethyl phthalate	510	U
Dimethyl phthalate	510	U
Fluoranthene	200	J
Fluorene	510	U
Hexachlorobenzene	510	U
Hexachlorobutadiene	510	U
Hexachlorocyclopentadiene	510	U
Hexachloroethane	510	U
Indeno(1,2,3-cd)pyrene	53	J
Isophorone	510	U
N-nitroso-di-n-propylamine	510	U

PARAMETER	RESULT	QUAL
N-nitrosodiphenylamine	510	U
Naphthalene	510	U
Nitrobenzene	510	U
Pentachlorophenol	2500	U
Phenanthrene	130	J
Phenol	510	U
Pyrene	180	J
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	8	U
1,1,2,2-tetrachloroethane	8	U
1,1,2-trichloroethane	8	U
1,1-dichloroethane	8	U
1,1-dichloroethene	8	U
1,2-dichloroethane	8	U
1,2-dichloroethene	8	U
1,2-dichloropropane	8	U
2-butanone	15	U
2-hexanone	15	U
4-methyl-2-pentanone	15	U
Acetone	15	U
Benzene	8	U
Bis(2-chloroisopropyl)ether	510	U
Bromodichloromethane	8	U
Bromoform	8	U
Bromomethane	15	U
Carbon disulfide	8	U
Carbon tetrachloride	8	U
Chlorobenzene	8	U
Chloroethane	15	U
Chloroform	8	U
Chloromethane	15	U
Cis-1,3-dichloropropene	8	U
Dibromochloromethane	8	U
Ethylbenzene	8	U
Methylene chloride	8	U
Styrene	8	U
Tetrachloroethene	8	U
Toluene	8	U
Trans-1,3-dichloropropene	8	U
Trichloroethene	8	U
Vinyl acetate	15	U
Vinyl chloride	15	U
Xylenes, total	8	U
PESTICIDES/PCBs		
4,4'-DDD	100	
4,4'-DDE	24	U
4,4'-DDT	43	DJ
Aldrin	12	U
alpha-BHC	30	DJ
alpha-chlordane	120	U

PARAMETER	RESULT	QUAL
Aroclor-1016	120	U
Aroclor-1221	120	U
Aroclor-1232	120	U
Aroclor-1242	120	U
Aroclor-1248	120	U
Aroclor-1254	240	U
Aroclor-1260	240	U
beta-BHC	32	DJ
delta-BHC	48	DJ
Dieldrin	24	U
Endosulfan I	12	U
Endosulfan II	24	U
Endosulfan sulfate	24	U
Endrin	24	U
Endrin ketone	24	U
gamma-BHC (lindane)	12	U
gamma-chlordane	120	U
Heptachlor	12	U
Heptachlor epoxide	12	U
Methoxychlor	120	U
Toxaphene	240	U
I8SS-9(IT) AS1177 IT(1994) 0 in		
INORGANICS (mg/kg)		
Antimony	4.5	U
Arsenic	2.2	
Barium	4.4	B
Beryllium	0.15	U
Cadmium	0.75	U
Chromium	3.3	
Cobalt	3	U
Copper	1.5	B
Lead	4.9	
Mercury	0.03	U
Nickel	3	U
Selenium	0.9	U
Silver	0.75	U
Thallium	0.3	U
Tin	4.5	U
Vanadium	1.5	U
Zinc	6.5	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	2.7	U
1,3-dichlorobenzene	5.7	U
1,4-dichlorobenzene	4.2	U
Acenaphthene	17	U
Acenaphthylene	17	U
Anthracene	14	U
Benzo(a)anthracene	14	U
Benzo(a)pyrene	25	U*
Benzo(b)fluoranthene	19	U*

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PARAMETER	RESULT	QUAL
Benzo(g,h,i)perylene	34	U*
Benzo(k)fluoranthene	28	U*
Chrysene	14	U
Dibenzo(a,h)anthracene	14	U
Fluoranthene	29	U*
Fluorene	330	U*
Indeno(1,2,3-cd)pyrene	14	U
Naphthalene	69	U*
Phenanthrene	63	U*
Pyrene	20	U*
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.5	U
1,1,1-trichloroethane	0.5	U
1,1,2,2-tetrachloroethane	0.5	U
1,1,2-trichloroethane	0.4	U
1,1-dichloroethane	1.2	U
1,1-dichloroethene	2.3	U
1,2,3-trichloropropane	1.8	U
1,2-dichloroethane	0.5	U
1,2-dichloropropane	0.7	U
1-chlorohexane	1.8	U
2-chloroethyl vinyl ether	2.3	U
Benzene	3.5	U
Bis(2-chloroisopropyl)ether	35	U
Bromobenzene	3.5	U
Bromodichloromethane	1.8	U
Bromoform	3.5	U
Bromomethane	2.1	U
Carbon tetrachloride	2.1	U
Chlorobenzene	3.5	U
Chloroethane	9.2	U
Chloroform	0.9	U
Chloromethane	1.4	U
Chlorotoluene	1.8	U
Cis-1,2-dichloroethene	1.8	U
Cis-1,3-dichloropropene	6	U
Dibromochloromethane	1.6	U
Dibromomethane	3.5	U
Dichlorodifluoromethane	3.2	U
Ethylbenzene	3.5	U
Methylene chloride	26	U
Tetrachloroethene	0.5	U
Toluene	3.5	U
Trans-1,2-dichloroethene	1.8	U
Trans-1,3-dichloropropene	6	U
Trichloroethene	2.1	U
Trichlorofluoromethane	3.5	U
Vinyl chloride	3.2	U
Xylenes, total	1.8	U
PESTICIDES/PCBs		

PARAMETER	RESULT	QUAL
4,4'-DDD	8	U
4,4'-DDE	2	U
4,4'-DDT	8	U
Aldrin	2	U
alpha-BHC	2	U
beta-BHC	4	U
Chlordane	9	U
delta-BHC	6	U
Dieldrin	2	U
Endosulfan I	9	U
Endosulfan II	2	U
Endosulfan sulfate	40	U
Endrin	4	U
Endrin aldehyde	16	U
gamma-BHC (lindane)	3	U
Heptachlor	2	U
Heptachlor epoxide	60	U
Methoxychlor	120	U
Toxaphene	160	U
I8SS-1 I8SS-1	B&RE	0 in
INORGANICS (mg/kg)		
Aluminum	226	
Arsenic	1.6	
Barium	8	U
Chromium	3.4	
Copper	14.5	
Lead	18.5	
Manganese	6.2	
Mercury	0.06	J
Nickel	1.2	
PESTICIDES/PCBs		
2,4,5-T	17.3	U
2,4,5-TP (silvex)	17.3	U
2,4-D	27.6	J
4,4'-DDD	46.2	U
4,4'-DDE	46.2	U
4,4'-DDT	46.2	U
Aldrin	23.1	U
alpha-BHC	23.1	U
Aroclor-1016	144	U
Aroclor-1221	144	U
Aroclor-1232	144	U
Aroclor-1242	144	U
Aroclor-1248	144	U
Aroclor-1254	144	U
Aroclor-1260	144	U
beta-BHC	23.1	U
Chlordane	289	U
delta-BHC	23.1	U
Dieldrin	46.2	U

PARAMETER	RESULT	QUAL
Endosulfan I	23.1	U
Endosulfan II	46.2	U
Endosulfan sulfate	46.2	U
Endrin	46.2	U
Endrin aldehyde	46.2	U
gamma-BHC (lindane)	23.1	U
Heptachlor	23.1	U
Heptachlor epoxide	23.1	U
Methoxychlor	231	U
Methyl parathion	57.8	U
Parathion	57.8	U
Phorate	57.8	U
Toxaphene	1160	U
I8SS-10 I8SS-10	B&RE	0 in
INORGANICS (mg/kg)		
Aluminum	1720	
Arsenic	2.2	
Barium	5.4	U
Chromium	4.3	
Cobalt	0.37	
Copper	13	
Lead	16.5	J
Manganese	33.8	J
Mercury	0.02	UJ
Nickel	2.6	
Vanadium	3.9	
Zinc	5.2	
PESTICIDES/PCBs		
2,4,5-T	12.6	U
2,4,5-TP (silvex)	12.6	U
2,4-D	12.6	U
4,4'-DDD	1.7	U
4,4'-DDE	1.7	U
4,4'-DDT	1.7	U
Aldrin	0.84	U
alpha-BHC	0.84	U
Aroclor-1016	5.3	U
Aroclor-1221	5.3	U
Aroclor-1232	5.3	U
Aroclor-1242	5.3	U
Aroclor-1248	5.3	U
Aroclor-1254	5.3	U
Aroclor-1260	5.3	U
beta-BHC	0.84	U
Chlordane	10.5	U
delta-BHC	0.84	U
Dieldrin	1.7	U
Endosulfan I	0.84	U
Endosulfan II	1.7	U
Endosulfan sulfate	1.7	U

PARAMETER	RESULT	QUAL
Endrin	1.7	U
Endrin aldehyde	1.7	U
gamma-BHC (lindane)	0.84	U
Heptachlor	0.84	U
Heptachlor epoxide	0.84	U
Methoxychlor	8.4	U
Methyl parathion	2.1	U
Parathion	2.1	U
Phorate	2.1	U
Toxaphene	42.1	U
I8SS-2 I8SS-2	B&RE	0 in
INORGANICS (mg/kg)		
Aluminum	159	
Arsenic	1.3	
Barium	7.2	U
Chromium	2.3	
Copper	12.7	
Lead	18.2	
Manganese	4.7	
Mercury	0.06	J
Nickel	1.4	
Vanadium	2.9	U
PESTICIDES/PCBs		
2,4,5-T	15.8	U
2,4,5-TP (silvex)	15.8	U
2,4-D	15.8	U
4,4'-DDD	42	U
4,4'-DDE	42	U
4,4'-DDT	42	U
Aldrin	21	U
alpha-BHC	21	U
Aroclor-1016	131	U
Aroclor-1221	131	U
Aroclor-1232	131	U
Aroclor-1242	131	U
Aroclor-1248	131	U
Aroclor-1254	131	U
Aroclor-1260	131	U
beta-BHC	21	U
Chlordane	263	U
delta-BHC	21	U
Dieldrin	42	U
Endosulfan I	21	U
Endosulfan II	42	U
Endosulfan sulfate	42	U
Endrin	42	U
Endrin aldehyde	42	U
gamma-BHC (lindane)	21	U
Heptachlor	21	U
Heptachlor epoxide	21	U

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PARAMETER	RESULT	QUAL
Methoxychlor	210	U
Methyl parathion	52.5	U
Parathion	52.5	U
Phorate	52.5	U
Toxaphene	1050	U
I8SS-3 I8SS-3-AVG	**B&RE**	**0 in**
INORGANICS (mg/kg)		
Aluminum	206.5	
Arsenic	1.65	
Barium	9.05	U
Chromium	3.6	
Copper	15.2	
Lead	37.7	
Manganese	6.1	
Mercury	0.075	J
Nickel	1.1	
Vanadium	2.5	U
Zinc	13.6	
PESTICIDES/PCBs		
2,4,5-T	17.9	U
2,4,5-TP (silvex)	17.9	U
2,4-D	15.65	
4,4'-DDD	25.5	U
4,4'-DDE	25.5	U
4,4'-DDT	25.5	U
Aldrin	12.8	U
alpha-BHC	12.8	U
Aroclor-1016	79.65	U
Aroclor-1221	79.65	U
Aroclor-1232	79.65	U
Aroclor-1242	79.65	U
Aroclor-1248	79.65	U
Aroclor-1254	79.65	U
Aroclor-1260	79.65	U
beta-BHC	12.8	U
Chlordane	159.25	U
delta-BHC	12.8	U
Dieldrin	25.5	U
Endosulfan I	12.8	U
Endosulfan II	25.5	U
Endosulfan sulfate	25.5	U
Endrin	25.5	U
Endrin aldehyde	25.5	U
gamma-BHC (lindane)	12.8	U
Heptachlor	12.8	U
Heptachlor epoxide	12.8	U
Methoxychlor	127.8	U
Methyl parathion	31.9	U
Parathion	31.9	U
Phorate	31.9	U

PARAMETER	RESULT	QUAL
Toxaphene	639.05	U
I8SS-4 I8SS-4	**B&RE**	**0 in**
INORGANICS (mg/kg)		
Aluminum	586	
Arsenic	1.9	
Barium	7.5	U
Chromium	3	
Lead	15.6	
Manganese	76.3	
Mercury	0.02	UJ
Nickel	1.1	
Vanadium	3.2	
Zinc	18.9	
PESTICIDES/PCBs		
2,4,5-T	13.9	U
2,4,5-TP (silvex)	13.9	U
2,4-D	58.8	J
4,4'-DDD	9.3	U
4,4'-DDE	9.3	U
4,4'-DDT	9.3	U
Aldrin	4.6	U
alpha-BHC	4.6	U
Aroclor-1016	29.1	U
Aroclor-1221	29.1	U
Aroclor-1232	29.1	U
Aroclor-1242	29.1	U
Aroclor-1248	29.1	U
Aroclor-1254	29.1	U
Aroclor-1260	29.1	U
beta-BHC	4.6	U
Chlordane	58.1	U
delta-BHC	4.6	U
Dieldrin	9.3	U
Endosulfan I	4.6	U
Endosulfan II	9.3	U
Endosulfan sulfate	9.3	U
Endrin	9.3	U
Endrin aldehyde	9.3	U
gamma-BHC (lindane)	4.6	U
Heptachlor	4.6	U
Heptachlor epoxide	4.6	U
Methoxychlor	46.5	U
Methyl parathion	11.6	U
Parathion	11.6	U
Phorate	11.6	U
Toxaphene	232	U
I8SS-5 I8SS-5	**B&RE**	**0 in**
INORGANICS (mg/kg)		
Aluminum	195	
Arsenic	8	

PARAMETER	RESULT	QUAL
Barium	6.6	U
Cadmium	0.21	
Chromium	32.5	
Cobalt	2.3	
Copper	38.1	
Lead	21.9	
Manganese	230	
Mercury	0.02	UJ
Nickel	24.9	
Vanadium	5.6	
Zinc	2180	
PESTICIDES/PCBs		
2,4,5-T	13	U
2,4,5-TP (silvex)	13	U
2,4-D	11	J
4,4'-DDD	17.2	U
4,4'-DDE	17.2	U
4,4'-DDT	17.2	U
Aldrin	8.6	U
alpha-BHC	8.6	U
Aroclor-1016	53.9	U
Aroclor-1221	53.9	U
Aroclor-1232	53.9	U
Aroclor-1242	53.9	U
Aroclor-1248	53.9	U
Aroclor-1254	53.9	U
Aroclor-1260	53.9	U
beta-BHC	8.6	U
Chlordane	108	U
delta-BHC	8.6	U
Dieldrin	17.2	U
Endosulfan I	8.6	U
Endosulfan II	17.2	U
Endosulfan sulfate	17.2	U
Endrin	17.2	U
Endrin aldehyde	17.2	U
gamma-BHC (lindane)	8.6	U
Heptachlor	8.6	U
Heptachlor epoxide	8.6	U
Methoxychlor	86.3	U
Methyl parathion	21.6	U
Parathion	21.6	U
Phorate	21.6	U
Toxaphene	431	U
I8SS-6 I8SS-6	**B&RE**	**0 in**
INORGANICS (mg/kg)		
Aluminum	296	
Arsenic	1.9	
Barium	11.1	U
Chromium	2.9	

PARAMETER	RESULT	QUAL
Cobalt	0.4	
Copper	76.9	
Lead	125	
Manganese	14.3	
Mercury	0.04	J
Nickel	2.1	
Zinc	60.9	
PESTICIDES/PCBs		
2,4,5-T	12.8	U
2,4,5-TP (silvex)	12.8	U
2,4-D	20.2	J
4,4'-DDD	172	U
4,4'-DDE	172	U
4,4'-DDT	172	U
Aldrin	86.2	U
alpha-BHC	86.2	U
Aroclor-1016	539	U
Aroclor-1221	539	U
Aroclor-1232	539	U
Aroclor-1242	539	U
Aroclor-1248	539	U
Aroclor-1254	539	U
Aroclor-1260	539	U
beta-BHC	86.2	U
Chlordane	1080	U
délta-BHC	86.2	U
Dieldrin	172	U
Endosulfan I	86.2	U
Endosulfan II	172	U
Endosulfan sulfate	172	U
Endrin	172	U
Endrin aldehyde	172	U
gamma-BHC (lindane)	86.2	U
Heptachlor	86.2	U
Heptachlor epoxide	86.2	U
Methoxychlor	862	U
Methyl parathion	216	U
Parathion	216	U
Phorate	216	U
Toxaphene	4310	U
I8SS-7 I8SS-7	**B&RE**	**0 in**
INORGANICS (mg/kg)		
Aluminum	1410	
Antimony	8.6	
Arsenic	33.9	
Barium	47.8	
Cadmium	2	
Chromium	52.5	
Cobalt	8.1	
Copper	492	

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PARAMETER	RESULT	QUAL
Lead	371	
Manganese	546	
Mercury	0.06	J
Nickel	248	
Selenium	4.8	
Silver	0.63	
Vanadium	25.7	
Zinc	707	
PESTICIDES/PCBs		
2,4,5-T	13.1	U
2,4,5-TP (silvex)	13.1	U
2,4-D	17.9	J
4,4'-DDD	12.7	J
4,4'-DDE	17.7	U
4,4'-DDT	17.7	U
Aldrin	8.8	U
alpha-BHC	8.8	U
Aroclor-1016	55.3	U
Aroclor-1221	55.3	U
Aroclor-1232	55.3	U
Aroclor-1242	55.3	U
Aroclor-1248	55.3	U
Aroclor-1254	55.3	U
Aroclor-1260	55.3	U
beta-BHC	8.8	U
Chlordane	110	U
delta-BHC	8.8	U
Dieldrin	17.7	U
Endosulfan I	8.8	U
Endosulfan II	17.7	U
Endosulfan sulfate	17.7	U
Endrin	17.7	U
Endrin aldehyde	17.7	U
gamma-BHC (lindane)	8.8	U
Heptachlor	8.8	U
Heptachlor epoxide	8.8	U
Methoxychlor	88.4	U
Methyl parathion	22.1	U
Parathion	22.1	U
Phorate	22.1	U
Toxaphene	442	U
I8SS-8 I8SS-8 B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	1320	
Arsenic	18.3	
Barium	12.8	U
Cadmium	1.4	
Chromium	27.2	
Cobalt	6.5	
Copper	85.3	

PARAMETER	RESULT	QUAL
Lead	229	J
Manganese	286	
Mercury	0.04	J
Nickel	29.3	J
Vanadium	14.4	
Zinc	656	
PESTICIDES/PCBs		
2,4,5-T	13.3	U
2,4,5-TP (silvex)	13.3	U
2,4-D	13.3	U
4,4'-DDD	1.8	U
4,4'-DDE	5.2	
4,4'-DDT	9.7	
Aldrin	0.88	U
alpha-BHC	0.88	U
Aroclor-1016	5.5	U
Aroclor-1221	5.5	U
Aroclor-1232	5.5	U
Aroclor-1242	5.5	U
Aroclor-1248	5.5	U
Aroclor-1254	28.1	
Aroclor-1260	5.5	U
beta-BHC	0.88	U
Chlordane	11	U
delta-BHC	0.88	U
Dieldrin	1.8	U
Endosulfan I	1.3	
Endosulfan II	1.8	U
Endosulfan sulfate	1.8	U
Endrin	1.8	U
Endrin aldehyde	1.8	U
gamma-BHC (lindane)	0.88	U
Heptachlor	0.88	U
Heptachlor epoxide	0.88	U
Methoxychlor	8.8	U
Methyl parathion	2.2	U
Parathion	2.2	U
Phorate	2.2	U
Toxaphene	43.9	U
I8SS-9 I8SS-9 B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	479	
Arsenic	4.7	
Barium	5.2	U
Chromium	11.8	
Cobalt	1	
Copper	10.4	
Lead	22.7	
Manganese	70.6	
Mercury	0.02	UJ

PARAMETER	RESULT	QUAL
Nickel	5.2	
Vanadium	4.9	
Zinc	7.6	
PESTICIDES/PCBs		
2,4,5-T	13.2	U
2,4,5-TP (silvex)	13.2	U
2,4-D	13.2	U
4,4'-DDD	1.8	U
4,4'-DDE	1.8	U
4,4'-DDT	1.8	U
Aldrin	0.88	U
alpha-BHC	0.88	U
Aroclor-1016	5.5	U
Aroclor-1221	5.5	U
Aroclor-1232	5.5	U
Aroclor-1242	5.5	U
Aroclor-1248	5.5	U
Aroclor-1254	5.5	U
Aroclor-1260	5.5	U
beta-BHC	0.88	U
Chlordane	11	U
delta-BHC	0.88	U
Dieldrin	1.8	U
Endosulfan I	0.88	U
Endosulfan II	1.8	U
Endosulfan sulfate	1.8	U
Endrin	1.8	U
Endrin aldehyde	1.8	U
gamma-BHC (lindane)	0.88	U
Heptachlor	0.88	U
Heptachlor epoxide	0.88	U
Methoxychlor	8.8	U
Methyl parathion	2.2	U
Parathion	2.2	U
Phorate	2.2	U
Toxaphene	44.1	U
SWMU 4		
S4SS-1 AS1121 IT(1994) 0 in		
INORGANICS (mg/kg)		
Antimony	8.8	B
Arsenic	2.6	B
Barium	6.2	B
Beryllium	0.29	U
Cadmium	1.4	U
Chromium	9.8	
Cobalt	5.8	U
Copper	15.6	
Cyanide	10	U
Lead	38.1	
Mercury	0.06	U

PARAMETER	RESULT	QUAL
Nickel	5.8	U
Selenium	0.58	U
Silver	1.4	U
Thallium	0.58	U
Tin	22.8	B
Vanadium	4.7	B
Zinc	47.6	
MISCELLANEOUS (mg/kg)		
Sulfide	480	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	4500	U
1,2,4-trichlorobenzene	4500	U
1,2-dichlorobenzene	4500	U
1,3,5-trinitrobenzene	4500	U
1,3-dichlorobenzene	4500	U
1,3-dinitrobenzene	4500	U
1,4-dichlorobenzene	4500	U
1,4-dioxane	2700	U
1,4-naphthoquinone	4500	U
1-naphthylamine	54000	U
2,3,4,6-tetrachlorophenol	4500	U
2,4,5-trichlorophenol	22000	U
2,4,6-trichlorophenol	4500	U
2,4-dichlorophenol	4500	U
2,4-dimethylphenol	4500	U
2,4-dinitrophenol	22000	U
2,4-dinitrotoluene	4500	U
2,6-dinitrotoluene	4500	U
2-acetylaminofluorene	4500	U
2-chloronaphthalene	4500	U
2-chlorophenol	4500	U
2-methyl-4,6-dinitrophenol	22000	U
2-methylnaphthalene	4500	U
2-methylphenol	4500	U
2-naphthylamine	77000	U
2-nitroaniline	22000	U
2-nitrophenol	4500	U
2-picoline	31000	U
3,3'-dichlorobenzidine	8900	U
3,3'-dimethylbenzidine	36000	U
3-methylcholanthrene	14000	U
3-methylphenol	4500	U
3-nitroaniline	22000	U
4-aminobiphenyl	23000	U
4-bromophenyl phenyl ether	4500	U
4-chloro-3-methylphenol	4500	U
4-chloroaniline	4500	U
4-chlorophenyl phenyl ether	4500	U
4-methylphenol	4500	U
4-nitroaniline	22000	U

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PARAMETER	RESULT	QUAL
4-nitrophenol	22000	U
4-nitroquinoline-1-oxide	4500	U
5-nitro-o-toluidine	9100	U
7,12-dimethylbenz(a)anthracene	9100	U
a,a-dimethylphenethylamine	4500	U
Acenaphthene	4500	U
Acenaphthylene	4500	U
Acetophenone	4500	U
Aniline	4500	U
Anthracene	4500	U
Aramite	4500	U
Benzo(a)anthracene	4500	U
Benzo(a)pyrene	4500	U
Benzo(b)fluoranthene	4500	U
Benzo(g,h,i)perylene	4500	U
Benzo(k)fluoranthene	4500	U
Benzoic acid	22000	U
Benzyl alcohol	4500	U
Bis(2-chloroethoxy)methane	4500	U
Bis(2-chloroethyl)ether	4500	U
Bis(2-ethylhexyl)phthalate	490	J
Butyl benzyl phthalate	4500	U
Chrysene	4500	U
Di-n-butyl phthalate	4500	U
Di-n-octyl phthalate	4500	U
Diallate	4500	U
Dibenzo(a,h)anthracene	4500	U
Dibenzofuran	4500	U
Diethyl phthalate	4500	U
Dimethyl phthalate	4500	U
Diphenylamine	4500	U
Ethyl methacrylate	9100	U
Ethyl methanesulfonate	4500	U
Fluoranthene	4500	U
Fluorene	4500	U
Hexachlorobenzene	4500	U
Hexachlorobutadiene	4500	U
Hexachlorocyclopentadiene	4500	U
Hexachloroethane	4500	U
Hexachlorophene	23000	U
Hexachloropropene	9100	U
Indeno(1,2,3-cd)pyrene	4500	U
Isophorone	4500	U
Isosafrole	4500	U
Methapyrilene	18000	U
Methyl methanesulfonate	4500	U
N-nitroso-di-n-butylamine	9100	U
N-nitroso-di-n-propylamine	4500	U
N-nitrosodiethylamine	4500	U
N-nitrosodimethylamine	4500	U

PARAMETER	RESULT	QUAL
N-nitrosodiphenylamine	4500	U
N-nitrosomethylethylamine	4500	U
N-nitrosopiperidine	4500	U
N-nitrosopyrrolidine	4500	U
Naphthalene	4500	U
Nitrobenzene	4500	U
o,o,o-triethylphosphorothioate	4500	U
o-toluidine	4500	U
p-dimethylaminoazobenzene	14000	U
p-phenylenediamine	23000	U
Pentachlorobenzene	9100	U
Pentachloroethane	9100	U
Pentachloronitrobenzene	9100	U
Pentachlorophenol	22000	U
Phenacetin	4500	U
Phenanthrene	4500	U
Phenol	4500	U
Pronamide	14000	U
Pyrene	4500	U
Pyridine	4500	U
Safrole	4500	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	14	U
1,1,1-trichloroethane	14	U
1,1,2,2-tetrachloroethane	14	U
1,1,2-trichloroethane	14	U
1,1-dichloroethane	14	U
1,1-dichloroethene	14	U
1,2,3-trichloropropane	14	U
1,2-dibromo-3-chloropropane	14	U
1,2-dibromoethane	14	U
1,2-dichloroethane	14	U
1,2-dichloropropane	14	U
2-butanone	11	J
2-chloro-1,3-butadiene	14	U
2-hexanone	27	U
3-chloropropene	14	U
4-methyl-2-pentanone	27	U
Acetone	200	
Acetonitrile	270	U
Acrolein	27	U
Acrylonitrile	27	U
Benzene	14	U
Bis(2-chloroisopropyl)ether	4500	U
Bromodichloromethane	14	U
Bromoform	14	U
Bromomethane	27	U
Carbon disulfide	14	U
Carbon tetrachloride	14	U
Chlorobenzene	14	U

PARAMETER	RESULT	QUAL
Chloroethane	27	U
Chloroform	14	U
Chloromethane	27	U
Cis-1,2-dichloroethene	14	U
Cis-1,3-dichloropropene	14	U
Dibromochloromethane	14	U
Dibromomethane	14	U
Dichlorodifluoromethane	54	U
Ethyl cyanide	270	U
Ethylbenzene	14	U
Iodomethane	14	U
Methacrylonitrile	27	U
Methyl methacrylate	27	U
Methylene chloride	19	B
Styrene	14	U
Tetrachloroethene	14	U
Toluene	14	U
Trans-1,2-dichloroethene	14	U
Trans-1,3-dichloropropene	14	U
Trans-1,4-dichloro-2-butene	54	U
Trichloroethene	14	U
Trichlorofluoromethane	14	U
Vinyl acetate	27	U
Vinyl chloride	27	U
Xylenes, total	14	U
PESTICIDES/PCBs		
2,4,5-T	150	U
2,4,5-TP (silvex)	150	U
2,4-D	150	U
4,4'-DDD	55	U
4,4'-DDE	55	U
4,4'-DDT	55	U
Aldrin	28	U
alpha-BHC	28	U
alpha-chlordane	280	U
Aroclor-1016	280	U
Aroclor-1221	280	U
Aroclor-1232	280	U
Aroclor-1242	280	U
Aroclor-1248	280	U
Aroclor-1254	550	U
Aroclor-1260	550	U
beta-BHC	28	U
Chlorobenzilate	280	U
delta-BHC	28	U
Dieldrin	55	U
Dimethoate	128	U
Dinoseb	9100	U
Disulfoton	128	U
Endosulfan I	28	U

PARAMETER	RESULT	QUAL
Endosulfan II	55	U
Endosulfan sulfate	55	U
Endrin	55	U
Endrin ketone	55	U
Famphur	128	U
gamma-BHC (lindane)	28	U
gamma-chlordane	280	U
Heptachlor	28	U
Heptachlor epoxide	28	U
Isodrin	28	U
Kepone	55	U
Methoxychlor	280	U
Methyl parathion	128	U
Parathion	128	U
Phorate	128	U
Sulfotep	4500	U
Thionazin	64	U
Toxaphene	550	U
S4SS-2 AS1128/29-AV IT(1994) 0 in		
INORGANICS (mg/kg)		
Antimony	7.9	U
Arsenic	1.9	B
Barium	5.95	B
Beryllium	0.26	U
Cadmium	1.3	U
Chromium	10.65	
Cobalt	5.25	U
Copper	6.4	B
Lead	27.85	
Mercury	0.05	U
Nickel	5.25	U
Selenium	0.525	U
Silver	1.3	U
Thallium	0.525	U
Tin	7.9	U
Vanadium	5.65	B
Zinc	54.6	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	3.9	U
1,3-dichlorobenzene	8.35	U
1,4-dichlorobenzene	6.25	U
Acenaphthene	23	U
Acenaphthylene	23	U
Anthracene	18.5	U
Benzo(a)anthracene	18.5	U
Benzo(a)pyrene	18.5	U*
Benzo(b)fluoranthene	18.5	U
Benzo(g,h,i)perylene	30	U*
Benzo(k)fluoranthene	29	U*
Chrysene	18.5	U

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PARAMETER	RESULT	QUAL
Dibenzo(a,h)anthracene	18.5	U
Fluoranthene	18.5	U
Fluorene	29	U
Indeno(1,2,3-cd)pyrene	18.5	U
Naphthalene	23	U
Phenanthrene	18.5	U
Pyrene	18.5	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.8	U
1,1,1-trichloroethane	0.8	U
1,1,2,2-tetrachloroethane	0.8	U
1,1,2-trichloroethane	0.5	U
1,1-dichloroethane	1.85	U
1,1-dichloroethene	3.35	U
1,2,3-trichloropropane	2.6	U
1,2-dichloroethane	0.8	U
1,2-dichloropropane	1.05	U
1-chlorohexane	2.6	U
2-chloroethyl vinyl ether	3.35	U
Benzene	5.2	U
Bis(2-chloroisopropyl)ether	52	U
Bromobenzene	5.2	U
Bromodichloromethane	2.6	U
Bromoform	5.2	U
Bromomethane	3.15	U
Carbon tetrachloride	3.15	U
Chlorobenzene	5.2	U
Chloroethane	13.5	U
Chloroform	1.3	U
Chloromethane	2.05	U
Chlorotoluene	2.6	U
Cis-1,2-dichloroethene	2.6	U
Cis-1,3-dichloropropene	8.85	U
Dibromochloromethane	2.35	U
Dibromomethane	5.2	U
Dichlorodifluoromethane	4.7	U
Ethylbenzene	5.2	U
Methylene chloride	39	U
Tetrachloroethene	0.8	U
Toluene	5.2	U
Trans-1,2-dichloroethene	2.6	U
Trans-1,3-dichloropropene	8.85	U
Trichloroethene	3.15	U
Trichlorofluoromethane	5.2	U
Vinyl chloride	4.7	U
Xylenes, total	2.6	U
PESTICIDES/PCBs		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U

PARAMETER	RESULT	QUAL
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
S4SS-3 AS1125 IT(1994) 0 in		
INORGANICS (mg/kg)		
Antimony	13	U
Arsenic	2.5	B
Barium	8.1	B
Beryllium	0.43	U
Cadmium	2.2	U
Chromium	17.2	
Cobalt	8.7	U
Copper	13.4	
Lead	2.5	
Mercury	0.09	U
Nickel	8.7	U
Selenium	2.6	U
Silver	2.2	U
Thallium	0.87	U
Tin	13	U
Vanadium	5.9	B
Zinc	107	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	6.1	U
1,3-dichlorobenzene	13	U
1,4-dichlorobenzene	9.8	U
Acenaphthene	38	U
Acenaphthylene	38	U
Anthracene	31	U
Benzo(a)anthracene	31	U
Benzo(a)pyrene	31	U
Benzo(b)fluoranthene	35	U*
Benzo(g,h,i)perylene	33	U*
Benzo(k)fluoranthene	37	U*
Chrysene	37	
Dibenzo(a,h)anthracene	130	U*
Fluoranthene	70	
Fluorene	290	U*
Indeno(1,2,3-cd)pyrene	31	U
Naphthalene	120	U*
Phenanthrene	60	
Pyrene	82	
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	1.2	U
1,1,1-trichloroethane	1.2	U
1,1,2,2-tetrachloroethane	1.2	U
1,1,2-trichloroethane	0.8	U
1,1-dichloroethane	2.9	U
1,1-dichloroethene	5.3	U
1,2,3-trichloropropane	4.1	U

PARAMETER	RESULT	QUAL
1,2-dichloroethane	1.2	U
1,2-dichloropropane	1.6	U
1-chlorohexane	4.1	U
2-chloroethyl vinyl ether	5.3	U
Benzene	8.1	U
Bis(2-chloroisopropyl)ether	81	U
Bromobenzene	8.1	U
Bromodichloromethane	4.1	U
Bromoform	8.1	U
Bromomethane	4.9	U
Carbon tetrachloride	4.9	U
Chlorobenzene	8.1	U
Chloroethane	21	U
Chloroform	2	U
Chloromethane	3.3	U
Chlorotoluene	4.1	U
Cis-1,2-dichloroethene	4.1	U
Cis-1,3-dichloropropene	14	U
Dibromochloromethane	3.7	U
Dibromomethane	8.1	U
Dichlorodifluoromethane	7.3	U
Ethylbenzene	8.1	U
Methylene chloride	61	U
Tetrachloroethene	1.2	U
Toluene	8.1	U
Trans-1,2-dichloroethene	4.1	U
Trans-1,3-dichloropropene	14	U
Trichloroethene	4.9	U
Trichlorofluoromethane	8.1	U
Vinyl chloride	7.3	U
Xylenes, total	4.1	U
PESTICIDES/PCBs		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	90	U
S4SS-5 S4SS-5 B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	1230	
Antimony	0.76	U
Arsenic	2.9	
Barium	6.5	
Beryllium	0.04	U
Cadmium	0.1	U
Chromium	5.1	U
Cobalt	0.38	U
Copper	4.7	
Cyanide	0.12	U

PARAMETER	RESULT	QUAL
Iron	1410	
Lead	15.3	
Manganese	26.3	
Mercury	0.03	U
Nickel	1.2	
Selenium	0.76	U
Silver	0.38	U
Thallium	0.76	U
Vanadium	6	
Zinc	0.38	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	656	U
1,2,4-trichlorobenzene	656	U
1,2-dichlorobenzene	656	U
1,3,5-trinitrobenzene	3280	U
1,3-dichlorobenzene	656	U
1,3-dinitrobenzene	656	U
1,4-dichlorobenzene	656	U
1,4-dioxane	656	U
1,4-naphthoquinone	656	U
1-naphthylamine	656	U
2,3,4,6-tetrachlorophenol	656	U
2,4,5-trichlorophenol	656	U
2,4,6-trichlorophenol	656	U
2,4-dichlorophenol	656	U
2,4-dimethylphenol	656	U
2,4-dinitrophenol	1310	U
2,4-dinitrotoluene	656	U
2,6-dichlorophenol	656	U
2,6-dinitrotoluene	656	U
2-acetylaminofluorene	656	U
2-chloronaphthalene	656	U
2-chlorophenol	656	U
2-methyl-4,6-dinitrophenol	656	U
2-methylnaphthalene	656	U
2-methylphenol	656	U
2-naphthylamine	656	U
2-nitroaniline	656	U
2-nitrophenol	656	U
2-picoline	656	U
3,3'-dichlorobenzidine	1310	U
3,3'-dimethylbenzidine	3280	U
3-methylcholanthrene	656	U
3-nitroaniline	656	U
4-aminobiphenyl	656	U
4-bromophenyl phenyl ether	656	U
4-chloro-3-methylphenol	656	U
4-chloroaniline	656	U
4-chlorophenyl phenyl ether	656	U
4-methylphenol	656	U

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PARAMETER	RESULT	QUAL
4-nitroaniline	656	U
4-nitrophenol	656	U
4-nitroquinoline-1-oxide	656	U
5-nitro-o-toluidine	656	U
7,12-dimethylbenz(a)anthracene	656	U
a,a-dimethylphenethylamine	656	U
Acenaphthene	656	U
Acenaphthylene	656	U
Acetophenone	656	U
Aniline	656	U
Anthracene	656	U
Aramite	656	U
Benzo(a)anthracene	656	U
Benzo(a)pyrene	656	U
Benzo(b)fluoranthene	656	U
Benzo(g,h,i)perylene	656	U
Benzo(k)fluoranthene	656	U
Benzyl alcohol	656	U
Bis(2-chloroethoxy)methane	656	U
Bis(2-chloroethyl)ether	656	U
Bis(2-ethylhexyl)phthalate	656	U
Butyl benzyl phthalate	656	U
Chrysene	656	U
Di-n-butyl phthalate	656	U
Di-n-octyl phthalate	656	U
Diallate	656	U
Dibenzo(a,h)anthracene	656	U
Dibenzofuran	656	U
Diethyl phthalate	656	U
Dimethyl phthalate	656	U
Diphenylamine	656	U
Ethyl methacrylate	656	U
Ethyl methanesulfonate	656	U
Fluoranthene	656	U
Fluorene	656	U
Hexachlorobenzene	656	U
Hexachlorobutadiene	656	U
Hexachlorocyclopentadiene	656	U
Hexachloroethane	656	U
Hexachloropropene	656	U
Indeno(1,2,3-cd)pyrene	656	U
Isophorone	656	U
Isosafrole	656	U
Methapyrilene	3280	U
Methyl methanesulfonate	656	U
N-nitroso-di-n-butylamine	656	U
N-nitroso-di-n-propylamine	656	U
N-nitrosodiethylamine	656	U
N-nitrosodimethylamine	656	U
N-nitrosodiphenylamine	656	U

PARAMETER	RESULT	QUAL
N-nitrosomethylethylamine	656	U
N-nitrosomorpholine	656	U
N-nitrosopiperidine	656	U
N-nitrosopyrrolidine	656	U
Naphthalene	656	U
Nitrobenzene	656	U
o,o,o-triethylphosphorothioate	656	U
o-toluidine	656	U
p-dimethylaminoazobenzene	656	U
p-phenylenediamine	1310	U
Pentachlorobenzene	656	U
Pentachloroethane	656	U
Pentachloronitrobenzene	656	U
Pentachlorophenol	656	U
Phenacetin	656	U
Phenanthrene	656	U
Phenol	656	U
Pronamide	656	U
Pyrene	656	U
Pyridine	656	U
Safrole	656	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	4	U
1,1,1-trichloroethane	4	U
1,1,2,2-tetrachloroethane	4	U
1,1,2-trichloroethane	4	U
1,1-dichloroethane	4	U
1,1-dichloroethene	4	U
1,2,3-trichloropropane	2	U
1,2-dibromo-3-chloropropane	2	U
1,2-dibromoethane	2	U
1,2-dichloroethane	4	U
1,2-dichloropropane	4	U
2-butanone	10	U
2-hexanone	10	U
3-chloropropene	10	U
4-methyl-2-pentanone	10	U
Acetone	20	U
Acetonitrile	10	U
Acrylonitrile	20	U
Benzene	4	U
Bis(2-chloroisopropyl)ether	20	U
Bromodichloromethane	4	U
Bromoform	4	U
Bromomethane	4	U
Carbon disulfide	10	U
Carbon tetrachloride	4	U
Chlorobenzene	4	U
Chloroethane	4	U
Chloroform	4	U

PARAMETER	RESULT	QUAL
Chloromethane	4	U
Cis-1,3-dichloropropene	4	U
Dibromochloromethane	4	U
Dibromomethane	4	U
Dichlorodifluoromethane	4	U
Ethylbenzene	4	U
Iodomethane	5	U
Methyl methacrylate	10	U
Methylene chloride	10	U
Styrene	4	U
Tetrachloroethene	0.97	J
Toluene	4	U
Trans-1,2-dichloroethene	4	U
Trans-1,3-dichloropropene	4	U
Trans-1,4-dichloro-2-butene	10	U
Trichloroethene	4	U
Trichlorofluoromethane	4	U
Vinyl acetate	10	U
Vinyl chloride	4	U
Xylenes, total	8	U
PESTICIDES/PCBs		
Chlorobenzilate	3280	U
Dimethoate	3280	U
Dinoseb	656	U
Disulfoton	656	U
Famphur	656	U
Isodrin	656	U
Kepone	656	U
Sulfotep	656	U
Thionazin	656	U
S4SS-6 S4SS-6 B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	2680	
Antimony	0.75	U
Arsenic	2.2	
Barium	7.7	
Beryllium	0.04	U
Cadmium	0.07	U
Chromium	7.6	
Cobalt	0.37	U
Copper	5.2	
Cyanide	0.24	U
Iron	1670	
Lead	16.1	
Manganese	36.5	
Mercury	0.03	U
Nickel	2.3	
Selenium	0.75	U
Silver	0.37	U
Thallium	0.75	U

PARAMETER	RESULT	QUAL
Vanadium	8.9	
Zinc	0.37	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	662	U
1,2,4-trichlorobenzene	662	U
1,2-dichlorobenzene	662	U
1,3,5-trinitrobenzene	3310	U
1,3-dichlorobenzene	662	U
1,3-dinitrobenzene	662	U
1,4-dichlorobenzene	662	U
1,4-dioxane	662	U
1,4-naphthoquinone	662	U
1-naphthylamine	662	U
2,3,4,6-tetrachlorophenol	662	U
2,4,5-trichlorophenol	662	U
2,4,6-trichlorophenol	662	U
2,4-dichlorophenol	662	U
2,4-dimethylphenol	662	U
2,4-dinitrophenol	1320	U
2,4-dinitrotoluene	662	U
2,6-dichlorophenol	662	U
2,6-dinitrotoluene	662	U
2-acetylaminofluorene	662	U
2-chloronaphthalene	662	U
2-chlorophenol	662	U
2-methyl-4,6-dinitrophenol	662	U
2-methylnaphthalene	662	U
2-methylphenol	662	U
2-naphthylamine	662	U
2-nitroaniline	662	U
2-nitrophenol	662	U
2-picoline	662	U
3,3'-dichlorobenzidine	1320	U
3,3'-dimethylbenzidine	3310	U
3-methylcholanthrene	662	U
3-nitroaniline	662	U
4-aminobiphenyl	662	U
4-bromophenyl phenyl ether	662	U
4-chloro-3-methylphenol	662	U
4-chloroaniline	662	U
4-chlorophenyl phenyl ether	662	U
4-methylphenol	662	U
4-nitroaniline	662	U
4-nitrophenol	662	U
4-nitroquinoline-1-oxide	662	U
5-nitro-o-toluidine	662	U
7,12-dimethylbenz(a)anthracene	662	U
a,a-dimethylphenethylamine	662	U
Acenaphthene	662	U
Acenaphthylene	662	U

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PARAMETER	RESULT	QUAL
Acetophenone	662	U
Aniline	662	U
Anthracene	662	U
Aramite	662	U
Benzo(a)anthracene	662	U
Benzo(a)pyrene	662	U
Benzo(b)fluoranthene	662	U
Benzo(g,h,i)perylene	662	U
Benzo(k)fluoranthene	662	U
Benzyl alcohol	662	U
Bis(2-chloroethoxy)methane	662	U
Bis(2-chloroethyl)ether	662	U
Bis(2-ethylhexyl)phthalate	662	U
Butyl benzyl phthalate	662	U
Chrysene	662	U
Di-n-butyl phthalate	662	U
Di-n-octyl phthalate	662	U
Diallate	662	U
Dibenzo(a,h)anthracene	662	U
Dibenzofuran	662	U
Diethyl phthalate	662	U
Dimethyl phthalate	662	U
Diphenylamine	662	U
Ethyl methacrylate	662	U
Ethyl methanesulfonate	662	U
Fluoranthene	662	U
Fluorene	662	U
Hexachlorobenzene	662	U
Hexachlorobutadiene	662	U
Hexachlorocyclopentadiene	662	U
Hexachloroethane	662	U
Hexachloropropene	662	U
Indeno(1,2,3-cd)pyrene	662	U
Isophorone	662	U
Isosafrole	662	U
Methapyrilene	3310	U
Methyl methanesulfonate	662	U
N-nitroso-di-n-butylamine	662	U
N-nitroso-di-n-propylamine	662	U
N-nitrosodiethylamine	662	U
N-nitrosodimethylamine	662	U
N-nitrosodiphenylamine	662	U
N-nitrosomethylethylamine	662	U
N-nitrosomorpholine	662	U
N-nitrosopiperidine	662	U
N-nitrosopyrrolidine	662	U
Naphthalene	662	U
Nitrobenzene	662	U
o,o,o-triethylphosphorothioate	662	U
o-toluidine	662	U

PARAMETER	RESULT	QUAL
p-dimethylaminoazobenzene	662	U
p-phenylenediamine	1320	U
Pentachlorobenzene	662	U
Pentachloroethane	662	U
Pentachloronitrobenzene	662	U
Pentachlorophenol	662	U
Phenacetin	662	U
Phenanthrene	662	U
Phenol	662	U
Pronamide	662	U
Pyrene	662	U
Pyridine	662	U
Safrole	662	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	4	U
1,1,1-trichloroethane	4	U
1,1,2,2-tetrachloroethane	4	U
1,1,2-trichloroethane	4	U
1,1-dichloroethane	4	U
1,1-dichloroethene	4	U
1,2,3-trichloropropane	2	U
1,2-dibromo-3-chloropropane	2	U
1,2-dibromoethane	2	U
1,2-dichloroethane	4	U
1,2-dichloropropane	4	U
2-butanone	10	U
2-hexanone	10	U
3-chloropropene	10	U
4-methyl-2-pentanone	10	U
Acetone	20	U
Acetonitrile	10	U
Acrylonitrile	20	U
Benzene	4	U
Bis(2-chloroisopropyl)ether	20	U
Bromodichloromethane	4	U
Bromoform	4	U
Bromomethane	4	U
Carbon disulfide	10	U
Carbon tetrachloride	4	U
Chlorobenzene	4	U
Chloroethane	4	U
Chloroform	4	U
Chloromethane	4	U
Cis-1,3-dichloropropene	4	U
Dibromochloromethane	4	U
Dibromomethane	4	U
Dichlorodifluoromethane	4	U
Ethylbenzene	4	U
Iodomethane	5	U
Methyl methacrylate	10	U

PARAMETER	RESULT	QUAL
Methylene chloride	10	U
Styrene	4	U
Tetrachloroethene	1.5	J
Toluene	4	U
Trans-1,2-dichloroethene	4	U
Trans-1,3-dichloropropene	4	U
Trans-1,4-dichloro-2-butene	10	U
Trichloroethene	4	U
Trichlorofluoromethane	4	U
Vinyl acetate	10	U
Vinyl chloride	4	U
Xylenes, total	8	U
PESTICIDES/PCBs		
Chlorobenzilate	3310	U
Dimethoate	3310	U
Dinoseb	662	U
Disulfoton	662	U
Famphur	662	U
Isodrin	662	U
Kepone	662	U
Sulfotep	662	U
Thionazin	662	U
S4SS-7 S4SS-7-AVG B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	2075	
Antimony	0.595	U
Arsenic	1.45	
Barium	8.1	
Beryllium	0.03	U
Cadmium	0.075	U
Chromium	4.8	
Cobalt	0.3	U
Copper	11.7	
Cyanide	0.105	U
Iron	1214	
Lead	21.35	
Manganese	21.85	
Mercury	0.025	U
Nickel	1.85	
Selenium	0.595	U
Silver	0.3	U
Thallium	0.595	U
Vanadium	5.95	
Zinc	12.1	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	519.5	UJ
1,2,4-trichlorobenzene	519.5	UJ
1,2-dichlorobenzene	519.5	UJ
1,3,5-trinitrobenzene	2600	UJ
1,3-dichlorobenzene	519.5	UJ

PARAMETER	RESULT	QUAL
1,3-dinitrobenzene	519.5	UJ
1,4-dichlorobenzene	519.5	UJ
1,4-dioxane	519.5	UJ
1,4-naphthoquinone	519.5	UJ
1-naphthylamine	519.5	UJ
2,3,4,6-tetrachlorophenol	519.5	UJ
2,4,5-trichlorophenol	519.5	UJ
2,4,6-trichlorophenol	519.5	UJ
2,4-dichlorophenol	519.5	UJ
2,4-dimethylphenol	519.5	UJ
2,4-dinitrophenol	1040	UJ
2,4-dinitrotoluene	519.5	UJ
2,6-dichlorophenol	519.5	UJ
2,6-dinitrotoluene	519.5	UJ
2-acetylaminofluorene	519.5	UJ
2-chloronaphthalene	519.5	UJ
2-chlorophenol	519.5	UJ
2-methyl-4,6-dinitrophenol	519.5	UJ
2-methylnaphthalene	519.5	UJ
2-methylphenol	519.5	UJ
2-naphthylamine	519.5	UJ
2-nitroaniline	519.5	UJ
2-nitrophenol	519.5	UJ
2-picoline	519.5	UJ
3,3'-dichlorobenzidine	1825	UJ
3,3'-dimethylbenzidine	2600	UJ
3-methylcholanthrene	519.5	UJ
3-nitroaniline	519.5	UJ
4-aminobiphenyl	519.5	UJ
4-bromophenyl phenyl ether	519.5	UJ
4-chloro-3-methylphenol	519.5	UJ
4-chloroaniline	519.5	UJ
4-chlorophenyl phenyl ether	519.5	UJ
4-methylphenol	519.5	UJ
4-nitroaniline	519.5	UJ
4-nitrophenol	779	UJ
4-nitroquinoline-1-oxide	519.5	UJ
5-nitro-o-toluidine	519.5	UJ
7,12-dimethylbenz(a)anthracene	519.5	UJ
a,a-dimethylphenethylamine	519.5	UJ
Acenaphthene	519.5	UJ
Acenaphthylene	519.5	UJ
Acetophenone	519.5	UJ
Aniline	519.5	UJ
Anthracene	519.5	UJ
Aramite	519.5	UJ
Benzo(a)anthracene	519.5	UJ
Benzo(a)pyrene	519.5	UJ
Benzo(b)fluoranthene	519.5	UJ
Benzo(g,h,i)perylene	519.5	UJ

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PARAMETER	RESULT	QUAL
Benzo(k)fluoranthene	519.5	UJ
Benzyl alcohol	519.5	UJ
Bis(2-chloroethoxy)methane	519.5	UJ
Bis(2-chloroethyl)ether	519.5	UJ
Bis(2-ethylhexyl)phthalate	519.5	UJ
Butyl benzyl phthalate	519.5	UJ
Chrysene	519.5	UJ
Di-n-butyl phthalate	519.5	UJ
Di-n-octyl phthalate	519.5	UJ
Diallate	519.5	UJ
Dibenzo(a,h)anthracene	519.5	UJ
Dibenzofuran	519.5	UJ
Diethyl phthalate	519.5	UJ
Dimethyl phthalate	519.5	UJ
Diphenylamine	519.5	UJ
Ethyl methacrylate	519.5	UJ
Ethyl methanesulfonate	519.5	UJ
Fluoranthene	519.5	UJ
Fluorene	519.5	UJ
Hexachlorobenzene	519.5	UJ
Hexachlorobutadiene	519.5	UJ
Hexachlorocyclopentadiene	519.5	UJ
Hexachloroethane	519.5	UJ
Hexachloropropene	519.5	UJ
Indeno(1,2,3-cd)pyrene	519.5	UJ
Isophorone	519.5	UJ
Isosafrole	519.5	UJ
Methapyrilene	2600	UJ
Methyl methanesulfonate	519.5	UJ
N-nitroso-di-n-butylamine	519.5	UJ
N-nitroso-di-n-propylamine	519.5	UJ
N-nitrosodiethylamine	519.5	UJ
N-nitrosodimethylamine	519.5	UJ
N-nitrosodiphenylamine	519.5	UJ
N-nitrosomethylethylamine	519.5	UJ
N-nitrosomorpholine	519.5	UJ
N-nitrosopiperidine	519.5	UJ
N-nitrosopyrrolidine	519.5	UJ
Naphthalene	519.5	UJ
Nitrobenzene	519.5	UJ
o,o,o-triethylphosphorothioate	519.5	UJ
o-toluidine	519.5	UJ
p-dimethylaminoazobenzene	519.5	UJ
p-phenylenediamine	1040	UJ
Pentachlorobenzene	519.5	UJ
Pentachloroethane	519.5	UJ
Pentachloronitrobenzene	519.5	UJ
Pentachlorophenol	519.5	UJ
Phenacetin	519.5	UJ
Phenanthrene	519.5	UJ

PARAMETER	RESULT	QUAL
Phenol	519.5	UJ
Pronamide	519.5	UJ
Pyrene	519.5	UJ
Pyridine	519.5	UJ
Safrole	519.5	UJ
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	3.1	U
1,1,1-trichloroethane	3.2	U
1,1,2,2-tetrachloroethane	3.2	U
1,1,2-trichloroethane	3.2	U
1,1-dichloroethane	3.2	U
1,1-dichloroethene	3.2	U
1,2,3-trichloropropane	1.8	U
1,2-dibromo-3-chloropropane	1.8	U
1,2-dibromoethane	1.8	U
1,2-dichloroethane	3.2	U
1,2-dichloropropane	3.2	U
2-butanone	7.9	U
2-hexanone	7.9	U
3-chloropropene	7.95	U
4-methyl-2-pentanone	7.9	U
Acetone	37.95	
Acetonitrile	7.95	U
Acrylonitrile	15.9	U
Benzene	3.2	U
Bis(2-chloroisopropyl)ether	15.95	U
Bromodichloromethane	3.2	U
Bromoform	3.2	U
Bromomethane	3.2	U
Carbon disulfide	7.9	U
Carbon tetrachloride	3.2	U
Chlorobenzene	3.2	U
Chloroethane	3.2	U
Chloroform	3.2	U
Chloromethane	3.2	U
Cis-1,3-dichloropropene	3.2	U
Dibromochloromethane	3.2	U
Dibromomethane	3.1	U
Dichlorodifluoromethane	3.2	U
Ethylbenzene	3.2	U
Iodomethane	4	U
Methyl methacrylate	7.95	U
Methylene chloride	7.95	U
Styrene	3.2	U
Tetrachloroethene	1.24	J
Toluene	3	U
Trans-1,2-dichloroethene	3.2	U
Trans-1,3-dichloropropene	3.2	U
Trans-1,4-dichloro-2-butene	7.95	U
Trichloroethene	3.2	U

PARAMETER	RESULT	QUAL
Trichlorofluoromethane	3.2	U
Vinyl acetate	7.9	U
Vinyl chloride	3.2	U
Xylenes, total	6.15	U
PESTICIDES/PCBs		
Chlorobenzilate	2600	UJ
Dimethoate	2600	UJ
Dinoseb	519.5	UJ
Disulfoton	519.5	UJ
Famphur	519.5	UJ
Isodrin	519.5	UJ
Kepone	519.5	UJ
Sulfotep	519.5	UJ
Thionazin	519.5	UJ
SWMU 5		
S5SS-1 AS1064 IT(1994) 0 in		
INORGANICS (mg/kg)		
Antimony	5	U
Arsenic	8.6	
Barium	250	
Beryllium	1.8	
Cadmium	120	
Chromium	428	
Cobalt	9.8	
Copper	38.9	
Lead	966	
Mercury	0.13	
Nickel	26.6	
Selenium	1	U
Silver	0.83	U
Thallium	0.33	U
Tin	5	U
Vanadium	27.1	
Zinc	824	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	2.3	U
1,3-dichlorobenzene	4.9	U
1,4-dichlorobenzene	3.7	U
2,4,6-trichlorophenol	1700	U
2,4-dichlorophenol	1700	U
2,4-dimethylphenol	1700	U
2,4-dinitrophenol	8300	U
2-chlorophenol	1700	U
2-methyl-4,6-dinitrophenol	8300	U
2-nitrophenol	1700	U
4-chloro-3-methylphenol	1700	U
4-nitrophenol	8300	U
Acenaphthene	240	U
Acenaphthylene	240	U
Anthracene	120	U

PARAMETER	RESULT	QUAL
Benzo(a)anthracene	120	U
Benzo(a)pyrene	120	U
Benzo(b)fluoranthene	120	U
Benzo(g,h,i)perylene	120	U
Benzo(k)fluoranthene	120	U
Chrysene	120	U
Dibenzo(a,h)anthracene	120	U
Fluoranthene	120	U
Fluorene	120	U
Indeno(1,2,3-cd)pyrene	120	U
Naphthalene	240	U
Pentachlorophenol	8300	U
Phenanthrene	120	U
Phenol	1700	U
Pyrene	120	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.5	U
1,1,1-trichloroethane	0.5	U
1,1,2,2-tetrachloroethane	0.5	U
1,1,2-trichloroethane	0.3	U
1,1-dichloroethane	1.1	U
1,1-dichloroethene	2	U
1,2,3-trichloropropane	1.5	U
1,2-dichloroethane	0.5	U
1,2-dichloropropane	0.6	U
1-chlorohexane	1.5	U
2-chloroethyl vinyl ether	2	U
Benzene	3	U
Bis(2-chloroisopropyl)ether	30	U
Bromobenzene	3	U
Bromodichloromethane	1.5	U
Bromoform	3	U
Bromomethane	1.8	U
Carbon tetrachloride	1.8	U
Chlorobenzene	3	U
Chloroethane	7.9	U
Chloroform	0.8	U
Chloromethane	1.2	U
Chlorotoluene	1.5	U
Cis-1,2-dichloroethene	1.5	U
Cis-1,3-dichloropropene	5.2	U
Dibromochloromethane	1.4	U
Dibromomethane	3	U
Dichlorodifluoromethane	2.7	U
Ethylbenzene	3	U
Methylene chloride	23	U
Tetrachloroethene	0.5	U
Toluene	3	U
Trans-1,2-dichloroethene	1.5	U
Trans-1,3-dichloropropene	5.2	U

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PARAMETER	RESULT	QUAL
Trichloroethene	1.8	U
Trichlorofluoromethane	3	U
Vinyl chloride	2.7	U
Xylenes, total	1.5	U
S5SS-2 AS1065 IT(1994) 0 in		
INORGANICS (mg/kg)		
Antimony	4	B
Arsenic	4.3	
Barium	140	
Beryllium	2.6	
Cadmium	2.9	
Chromium	36.5	
Cobalt	9.6	
Copper	13.9	
Cyanide	10	U
Lead	61.7	
Mercury	0.02	U
Nickel	20.6	
Selenium	1.1	U
Silver	0.53	U
Thallium	0.21	U
Tin	8.1	B
Vanadium	34.2	
Zinc	58.8	
MISCELLANEOUS (mg/kg)		
Sulfide	20	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	1900	U
1,2,4-trichlorobenzene	1900	U
1,2-dichlorobenzene	1900	U
1,3,5-trinitrobenzene	1900	U
1,3-dichlorobenzene	1900	U
1,3-dinitrobenzene	1900	U
1,4-dichlorobenzene	1900	U
1,4-dioxane	1100	U
1,4-naphthoquinone	1900	U
1-naphthylamine	23000	U
2,3,4,6-tetrachlorophenol	1900	U
2,4,5-trichlorophenol	9100	U
2,4,6-trichlorophenol	1900	U
2,4-dichlorophenol	1900	U
2,4-dimethylphenol	1900	U
2,4-dinitrophenol	9100	U
2,4-dinitrotoluene	1900	U
2,6-dichlorophenol	1900	U
2,6-dinitrotoluene	1900	U
2-acetylaminofluorene	1900	U
2-chloronaphthalene	1900	U
2-chlorophenol	1900	U
2-methyl-4,6-dinitrophenol	9100	U

PARAMETER	RESULT	QUAL
2-methylnaphthalene	1900	U
2-methylphenol	1900	U
2-naphthylamine	32000	U
2-nitroaniline	9100	U
2-nitrophenol	1900	U
2-picoline	3800	U
3,3'-dichlorobenzidine	3800	U
3,3'-dimethylbenzidine	15000	U
3-methylcholanthrene	5700	U
3-methylphenol	1900	U
3-nitroaniline	9100	U
4-aminobiphenyl	9500	U
4-bromophenyl phenyl ether	1900	U
4-chloro-3-methylphenol	1900	U
4-chloroaniline	1900	U
4-chlorophenyl phenyl ether	1900	U
4-methylphenol	1900	U
4-nitroaniline	9100	U
4-nitrophenol	9100	U
4-nitroquinoline-1-oxide	1900	U
5-nitro-o-toluidine	3800	U
7,12-dimethylbenz(a)anthracene	3800	U
a,a-dimethylphenethylamine	1900	U
Acenaphthene	1900	U
Acenaphthylene	1900	U
Acetophenone	1900	U
Aniline	1900	U
Anthracene	1900	U
Aramite	1900	U
Benzo(a)anthracene	1900	U
Benzo(a)pyrene	1900	U
Benzo(b)fluoranthene	1900	U
Benzo(g,h,i)perylene	1900	U
Benzo(k)fluoranthene	1900	U
Benzoic acid	9100	U
Benzyl alcohol	1900	U
Bis(2-chloroethoxy)methane	1900	U
Bis(2-chloroethyl)ether	1900	U
Bis(2-ethylhexyl)phthalate	570	J
Butyl benzyl phthalate	1900	U
Chrysene	1900	U
Di-n-butyl phthalate	1900	U
Di-n-octyl phthalate	1900	U
Diallate	1900	U
Dibenzo(a,h)anthracene	1900	U
Dibenzofuran	1900	U
Diethyl phthalate	1900	U
Dimethyl phthalate	1900	U
Diphenylamine	1900	U
Ethyl methacrylate	3800	U

PARAMETER	RESULT	QUAL
Ethyl methanesulfonate	1900	U
Fluoranthene	1900	U
Fluorene	1900	U
Hexachlorobenzene	1900	U
Hexachlorobutadiene	1900	U
Hexachlorocyclopentadiene	1900	U
Hexachloroethane	1900	U
Hexachlorophene	9700	U
Hexachloropropene	3800	U
Indeno(1,2,3-cd)pyrene	1900	U
Isophorone	1900	U
Isosafrole	1900	U
Methapyrilene	7600	U
Methyl methanesulfonate	1900	U
N-nitroso-di-n-butylamine	3800	U
N-nitroso-di-n-propylamine	1900	U
N-nitrosodiethylamine	1900	U
N-nitrosodimethylamine	1900	U
N-nitrosodiphenylamine	1900	U
N-nitrosomethylethylamine	13000	U
N-nitrosomorpholine	1900	U
N-nitrosopiperidine	1900	U
N-nitrosopyrrolidine	1900	U
Naphthalene	1900	U
Nitrobenzene	1900	U
o,o,o-triethylphosphorothioate	1900	U
o-toluidine	1900	U
p-dimethylaminoazobenzene	5700	U
p-phenylenediamine	9500	U
Pentachlorobenzene	3800	U
Pentachloroethane	3800	U
Pentachloronitrobenzene	3800	U
Pentachlorophenol	9100	U
Phenacetin	1900	U
Phenanthrene	1900	U
Phenol	1900	U
Pronamide	5700	U
Pyrene	1900	U
Pyridine	1900	U
Safrole	1900	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	6	U
1,1,1-trichloroethane	6	U
1,1,2,2-tetrachloroethane	6	U
1,1,2-trichloroethane	6	U
1,1-dichloroethane	6	U
1,1-dichloroethene	6	U
1,2,3-trichloropropane	6	U
1,2-dibromo-3-chloropropane	6	U
1,2-dibromoethane	6	U

PARAMETER	RESULT	QUAL
1,2-dichloroethane	6	U
1,2-dichloropropane	6	U
2-butanone	11	U
2-chloro-1,3-butadiene	6	U
2-hexanone	11	U
3-chloropropene	6	U
4-methyl-2-pentanone	11	U
Acetone	24	
Acetonitrile	110	U
Acrolein	11	U
Acrylonitrile	11	U
Benzene	6	U
Bis(2-chloroisopropyl)ether	1900	U
Bromodichloromethane	6	U
Bromoform	6	U
Bromomethane	11	U
Carbon disulfide	6	U
Carbon tetrachloride	6	U
Chlorobenzene	6	U
Chloroethane	11	U
Chloroform	6	U
Chloromethane	11	U
Cis-1,2-dichloroethene	2	J
Cis-1,3-dichloropropene	6	U
Dibromochloromethane	6	U
Dibromomethane	6	U
Dichlorodifluoromethane	23	U
Ethyl cyanide	110	U
Ethylbenzene	6	U
Iodomethane	6	U
Methacrylonitrile	11	U
Methyl methacrylate	11	U
Methylene chloride	12	B
Styrene	6	U
Tetrachloroethene	6	U
Toluene	6	U
Trans-1,2-dichloroethene	6	U
Trans-1,3-dichloropropene	6	U
Trans-1,4-dichloro-2-butene	23	U
Trichloroethene	6	U
Trichlorofluoromethane	6	U
Vinyl acetate	11	U
Vinyl chloride	11	U
Xylenes, total	6	U
PESTICIDES/PCBs		
2,4,5-T	110	U
2,4,5-TP (silvex)	110	U
2,4-D	110	U
4,4'-DDD	17	U
4,4'-DDE	17	U

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PARAMETER	RESULT	QUAL
4,4'-DDT	17	U
Aldrin	8.5	U
alpha-BHC	8.5	U
alpha-chlordane	85	U
Aroclor-1016	85	U
Aroclor-1221	85	U
Aroclor-1232	85	U
Aroclor-1242	85	U
Aroclor-1248	85	U
Aroclor-1254	170	U
Aroclor-1260	170	U
beta-BHC	8.5	U
Chlorobenzilate	85	U
delta-BHC	8.5	U
Dieldrin	17	U
Dimethoate	36	U
Dinoseb	3800	U
Disulfoton	36	U
Endosulfan I	8.5	U
Endosulfan II	17	U
Endosulfan sulfate	17	U
Endrin	17	U
Endrin ketone	17	U
Famphur	36	U
gamma-BHC (lindane)	8.5	U
gamma-chlordane	85	U
Heptachlor	8.5	U
Heptachlor epoxide	8.5	U
Isodrin	8.5	U
Kepone	17	U
Methoxychlor	85	U
Methyl parathion	36	U
Parathion	36	U
Phorate	36	U
Sulfotep	1900	U
Thionazin	36	U
Toxaphene	170	U
S5SS-3 S5SS-3	**B&RE**	**0 in**
INORGANICS (mg/kg)		
Aluminum	2300	
Antimony	1.1	U
Arsenic	4.8	
Barium	16.1	
Beryllium	0.06	U
Cadmium	11.6	
Chromium	85	
Cobalt	0.59	
Copper	23.4	
Cyanide	0.19	U
Iron	2390	

PARAMETER	RESULT	QUAL
Lead	115	
Manganese	14.6	
Mercury	0.07	
Nickel	5.3	
Selenium	1.1	U
Silver	0.85	
Thallium	1.1	U
Vanadium	9.2	
Zinc	336	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	974	U
1,2,4-trichlorobenzene	974	U
1,2-dichlorobenzene	974	U
1,3,5-trinitrobenzene	4870	U
1,3-dichlorobenzene	974	U
1,3-dinitrobenzene	974	U
1,4-dichlorobenzene	974	U
1,4-dioxane	974	U
1,4-naphthoquinone	974	U
1-naphthylamine	974	U
2,3,4,6-tetrachlorophenol	974	U
2,4,5-trichlorophenol	974	U
2,4,6-trichlorophenol	974	U
2,4-dichlorophenol	974	U
2,4-dimethylphenol	974	U
2,4-dinitrophenol	1950	U
2,4-dinitrotoluene	974	U
2,6-dichlorophenol	974	U
2,6-dinitrotoluene	974	U
2-acetylaminofluorene	974	U
2-chloronaphthalene	974	U
2-chlorophenol	974	U
2-methyl-4,6-dinitrophenol	974	U
2-methylnaphthalene	974	U
2-methylphenol	974	U
2-naphthylamine	974	U
2-nitroaniline	974	U
2-nitrophenol	974	U
2-picoline	974	U
3,3'-dichlorobenzidine	1950	U
3,3'-dimethylbenzidine	4870	U
3-methylcholanthrene	974	U
3-nitroaniline	974	U
4-aminobiphenyl	974	U
4-bromophenyl phenyl ether	974	U
4-chloro-3-methylphenol	974	U
4-chloroaniline	974	U
4-chlorophenyl phenyl ether	974	U
4-methylphenol	974	U
4-nitroaniline	974	U

PARAMETER	RESULT	QUAL
4-nitrophenol	974	U
4-nitroquinoline-1-oxide	974	U
5-nitro-o-toluidine	974	U
7,12-dimethylbenz(a)anthracene	974	U
a,a-dimethylphenethylamine	974	U
Acenaphthene	974	U
Acenaphthylene	974	U
Acetophenone	974	U
Aniline	974	U
Anthracene	974	U
Aramite	974	U
Benzo(a)anthracene	974	U
Benzo(a)pyrene	974	U
Benzo(b)fluoranthene	974	U
Benzo(g,h,i)perylene	974	U
Benzo(k)fluoranthene	974	U
Benzyl alcohol	974	U
Bis(2-chloroethoxy)methane	974	U
Bis(2-chloroethyl)ether	974	U
Bis(2-ethylhexyl)phthalate	974	U
Butyl benzyl phthalate	974	U
Chrysene	974	U
Di-n-butyl phthalate	974	U
Di-n-octyl phthalate	974	U
Diallate	974	U
Dibenzo(a,h)anthracene	974	U
Dibenzofuran	974	U
Diethyl phthalate	974	U
Dimethyl phthalate	974	U
Diphenylamine	974	U
Ethyl methacrylate	974	U
Ethyl methanesulfonate	974	U
Fluoranthene	974	U
Fluorene	974	U
Hexachlorobenzene	974	U
Hexachlorobutadiene	974	U
Hexachlorocyclopentadiene	974	U
Hexachloroethane	974	U
Hexachloropropene	974	U
Indeno(1,2,3-cd)pyrene	974	U
Isophorone	974	U
Isosafrole	974	U
Methapyrilene	4870	U
Methyl methanesulfonate	974	U
N-nitroso-di-n-butylamine	974	U
N-nitroso-di-n-propylamine	974	U
N-nitrosodiethylamine	974	U
N-nitrosodimethylamine	974	U
N-nitrosodiphenylamine	974	U
N-nitrosomethylethylamine	974	U

PARAMETER	RESULT	QUAL
N-nitrosomorpholine	974	U
N-nitrosopiperidine	974	U
N-nitrosopyrrolidine	974	U
Naphthalene	974	U
Nitrobenzene	974	U
o,o,o-triethylphosphorothioate	974	U
o-toluidine	974	U
p-dimethylaminoazobenzene	974	U
p-phenylenediamine	1950	U
Pentachlorobenzene	974	U
Pentachloroethane	974	U
Pentachloronitrobenzene	974	U
Pentachlorophenol	974	U
Phenacetin	974	U
Phenanthrene	974	U
Phenol	974	U
Pronamide	974	U
Pyrene	974	U
Pyridine	974	U
Safrole	974	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	5.9	U
1,1,1-trichloroethane	5.9	U
1,1,2,2-tetrachloroethane	5.9	U
1,1,2-trichloroethane	5.9	U
1,1-dichloroethane	5.9	U
1,1-dichloroethene	5.9	U
1,2,3-trichloropropane	2.9	U
1,2-dibromo-3-chloropropane	2.9	U
1,2-dibromoethane	2.9	U
1,2-dichloroethane	5.9	U
1,2-dichloropropane	5.9	U
2-butanone	14.7	U
2-hexanone	14.7	U
3-chloropropene	14.7	U
4-methyl-2-pentanone	14.7	U
Acetone	79.4	
Acetonitrile	14.7	U
Acrylonitrile	29.4	U
Benzene	5.9	U
Bis(2-chloroisopropyl)ether	29.4	U
Bromodichloromethane	5.9	U
Bromoform	5.9	U
Bromomethane	5.9	U
Carbon disulfide	14.7	U
Carbon tetrachloride	5.9	U
Chlorobenzene	5.9	U
Chloroethane	5.9	U
Chloroform	5.9	U
Chloromethane	5.9	U

Keywest MOD01 Supplemental RFI/RI Sites
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PARAMETER	RESULT	QUAL
Cis-1,3-dichloropropene	5.9	U
Dibromochloromethane	5.9	U
Dibromomethane	5.9	U
Dichlorodifluoromethane	5.9	U
Ethylbenzene	5.9	U
Iodomethane	7.4	U
Methyl methacrylate	14.7	U
Methylene chloride	15	U
Styrene	5.9	U
Tetrachloroethene	10.2	
Toluene	5.9	U
Trans-1,2-dichloroethene	5.9	U
Trans-1,3-dichloropropene	5.9	U
Trans-1,4-dichloro-2-butene	14.7	U
Trichloroethene	5.9	U
Trichlorofluoromethane	5.9	U
Vinyl acetate	14.7	U
Vinyl chloride	5.9	U
Xylenes, total	11.8	U
PESTICIDES/PCBs		
Chlorobenzilate	4870	U
Dimethoate	4870	U
Dinoseb	974	U
Disulfoton	974	U
Famphur	974	U
Isodrin	974	U
Kepone	974	U
Sulfotep	974	U
Thionazin	974	U
S5SS-4 S5SS-4	B&RE	0 in
INORGANICS (mg/kg)		
Aluminum	1340	
Antimony	0.97	U
Arsenic	4.3	
Barium	10.6	
Beryllium	0.05	U
Cadmium	2.3	
Chromium	19.3	
Cobalt	0.46	U
Copper	10.9	
Cyanide	0.16	U
Iron	952	
Lead	31.7	
Manganese	9.2	
Mercury	0.04	U
Nickel	2.3	
Selenium	0.97	U
Silver	0.48	U
Thallium	0.97	U
Vanadium	6.4	

PARAMETER	RESULT	QUAL
Zinc	79.7	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	848	U
1,2,4-trichlorobenzene	848	U
1,2-dichlorobenzene	848	U
1,3,5-trinitrobenzene	4240	U
1,3-dichlorobenzene	848	U
1,3-dinitrobenzene	848	U
1,4-dichlorobenzene	848	U
1,4-dioxane	848	U
1,4-naphthoquinone	848	U
1-naphthylamine	848	U
2,3,4,6-tetrachlorophenol	848	U
2,4,5-trichlorophenol	848	U
2,4,6-trichlorophenol	848	U
2,4-dichlorophenol	848	U
2,4-dimethylphenol	848	U
2,4-dinitrophenol	1700	U
2,4-dinitrotoluene	848	U
2,6-dichlorophenol	848	U
2,6-dinitrotoluene	848	U
2-acetylaminofluorene	848	U
2-chloronaphthalene	848	U
2-chlorophenol	848	U
2-methyl-4,6-dinitrophenol	848	U
2-methylnaphthalene	848	U
2-methylphenol	848	U
2-naphthylamine	848	U
2-nitroaniline	848	U
2-nitrophenol	848	U
2-picoline	848	U
3,3'-dichlorobenzidine	1700	U
3,3'-dimethylbenzidine	4240	U
3-methylcholanthrene	848	U
3-nitroaniline	848	U
4-aminobiphenyl	848	U
4-bromophenyl phenyl ether	848	U
4-chloro-3-methylphenol	848	U
4-chloroaniline	848	U
4-chlorophenyl phenyl ether	848	U
4-methylphenol	848	U
4-nitroaniline	848	U
4-nitrophenol	848	U
4-nitroquinoline-1-oxide	848	U
5-nitro-o-toluidine	848	U
7,12-dimethylbenz(a)anthracene	848	U
a,a-dimethylphenethylamine	848	U
Acenaphthene	848	U
Acenaphthylene	848	U
Acetophenone	848	U

PARAMETER	RESULT	QUAL
Aniline	848	U
Anthracene	848	U
Aramite	848	U
Benzo(a)anthracene	848	U
Benzo(a)pyrene	848	U
Benzo(b)fluoranthene	848	U
Benzo(g,h,i)perylene	848	U
Benzo(k)fluoranthene	848	U
Benzyl alcohol	848	U
Bis(2-chloroethoxy)methane	848	U
Bis(2-chloroethyl)ether	848	U
Bis(2-ethylhexyl)phthalate	848	U
Butyl benzyl phthalate	848	U
Chrysene	848	U
Di-n-butyl phthalate	848	U
Di-n-octyl phthalate	848	U
Diallate	848	U
Dibenzo(a,h)anthracene	848	U
Dibenzofuran	848	U
Diethyl phthalate	848	U
Dimethyl phthalate	848	U
Diphenylamine	848	U
Ethyl methacrylate	848	U
Ethyl methanesulfonate	848	U
Fluoranthene	848	U
Fluorene	848	U
Hexachlorobenzene	848	U
Hexachlorobutadiene	848	U
Hexachlorocyclopentadiene	848	U
Hexachloroethane	848	U
Hexachloropropene	848	U
Indeno(1,2,3-cd)pyrene	848	U
Isophorone	848	U
Isosafrole	848	U
Methapyrilene	4240	U
Methyl methanesulfonate	848	U
N-nitroso-di-n-butylamine	848	U
N-nitroso-di-n-propylamine	848	U
N-nitrosodiethylamine	848	U
N-nitrosodimethylamine	848	U
N-nitrosodiphenylamine	848	U
N-nitrosomethylethylamine	848	U
N-nitrosomorpholine	848	U
N-nitrosopiperidine	848	U
N-nitrosopyrrolidine	848	U
Naphthalene	848	U
Nitrobenzene	848	U
o,o,o-triethylphosphorothioate	848	U
o-toluidine	848	U
p-dimethylaminoazobenzene	848	U

PARAMETER	RESULT	QUAL
p-phenylenediamine	1700	U
Pentachlorobenzene	848	U
Pentachloroethane	848	U
Pentachloronitrobenzene	848	U
Pentachlorophenol	848	U
Phenacetin	848	U
Phenanthrene	848	U
Phenol	848	U
Pronamide	848	U
Pyrene	848	U
Pyridine	848	U
Safrole	848	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	5.1	U
1,1,1-trichloroethane	5.1	U
1,1,2,2-tetrachloroethane	5.1	U
1,1,2-trichloroethane	5.1	U
1,1-dichloroethane	5.1	U
1,1-dichloroethene	5.1	U
1,2,3-trichloropropane	2.6	U
1,2-dibromo-3-chloropropane	2.6	U
1,2-dibromoethane	2.6	U
1,2-dichloroethane	5.1	U
1,2-dichloropropane	5.1	U
2-butanone	12.8	U
2-hexanone	12.8	U
3-chloropropene	12.8	U
4-methyl-2-pentanone	12.8	U
Acetone	25.6	U
Acetonitrile	12.8	U
Acrylonitrile	25.6	U
Benzene	5.1	U
Bis(2-chloroisopropyl)ether	25.6	U
Bromodichloromethane	5.1	U
Bromoform	5.1	U
Bromomethane	5.1	U
Carbon disulfide	12.8	U
Carbon tetrachloride	5.1	U
Chlorobenzene	5.1	U
Chloroethane	5.1	U
Chloroform	5.1	U
Chloromethane	5.1	U
Cis-1,3-dichloropropene	5.1	U
Dibromochloromethane	5.1	U
Dibromomethane	5.1	U
Dichlorodifluoromethane	5.1	U
Ethylbenzene	5.1	U
Iodomethane	6.4	U
Methyl methacrylate	12.8	U
Methylene chloride	13	U

Keywest MOD01 Supplemental RFI/RI Sites
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PARAMETER	RESULT	QUAL
Styrene	5.1	U
Tetrachloroethene	2.5	J
Toluene	5.1	U
Trans-1,2-dichloroethene	5.1	U
Trans-1,3-dichloropropene	5.1	U
Trans-1,4-dichloro-2-butene	12.8	U
Trichloroethene	5.1	U
Trichlorofluoromethane	5.1	U
Vinyl acetate	12.8	U
Vinyl chloride	5.1	U
Xylenes, total	10.2	U
PESTICIDES/PCBs		
Chlorobenzilate	4240	U
Dimethoate	4240	U
Dinoseb	848	U
Disulfoton	848	U
Famphur	848	U
Isodrin	848	U
Kepone	848	U
Sulfotep	848	U
Thionazin	848	U
S5SS-5 S5SS-5-AVG	B&RE	0 in
INORGANICS (mg/kg)		
Aluminum	2000	
Antimony	0.69	U
Arsenic	8	
Barium	53.45	
Beryllium	0.12	U
Cadmium	17.9	
Chromium	316	
Cobalt	1.95	
Copper	16.95	
Cyanide	0.115	U
Iron	3245	
Lead	292.5	
Manganese	32.05	
Mercury	0.03	
Nickel	6	
Selenium	0.69	U
Silver	1.3	
Thallium	0.69	U
Vanadium	7.35	
Zinc	1260	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	448.75	U
1,2,4-trichlorobenzene	448.75	U
1,2-dichlorobenzene	448.75	U
1,3,5-trinitrobenzene	2245	U
1,3-dichlorobenzene	448.75	U
1,3-dinitrobenzene	448.75	U

PARAMETER	RESULT	QUAL
1,4-dichlorobenzene	448.75	U
1,4-dioxane	448.75	U
1,4-naphthoquinone	448.75	U
1-naphthylamine	448.75	U
2,3,4,6-tetrachlorophenol	448.75	U
2,4,5-trichlorophenol	448.75	U
2,4,6-trichlorophenol	448.75	U
2,4-dichlorophenol	448.75	U
2,4-dimethylphenol	448.75	U
2,4-dinitrophenol	897.5	U
2,4-dinitrotoluene	448.75	U
2,6-dichlorophenol	448.75	U
2,6-dinitrotoluene	448.75	U
2-acetylaminofluorene	448.75	U
2-chloronaphthalene	448.75	U
2-chlorophenol	448.75	U
2-methyl-4,6-dinitrophenol	448.75	U
2-methylnaphthalene	448.75	U
2-methylphenol	448.75	U
2-naphthylamine	448.75	U
2-nitroaniline	448.75	U
2-nitrophenol	448.75	U
2-picoline	448.75	U
3,3'-dichlorobenzidine	1320	U
3,3'-dimethylbenzidine	2245	U
3-methylcholanthrene	448.75	U
3-nitroaniline	448.75	U
4-aminobiphenyl	448.75	U
4-bromophenyl phenyl ether	448.75	U
4-chloro-3-methylphenol	448.75	U
4-chloroaniline	448.75	U
4-chlorophenyl phenyl ether	448.75	U
4-methylphenol	448.75	U
4-nitroaniline	448.75	U
4-nitrophenol	590.5	U
4-nitroquinoline-1-oxide	448.75	U
5-nitro-o-toluidine	448.75	U
7,12-dimethylbenz(a)anthracene	448.75	U
a,a-dimethylphenethylamine	448.75	U
Acenaphthene	448.75	U
Acenaphthylene	448.75	U
Acetophenone	448.75	U
Aniline	448.75	U
Anthracene	448.75	U
Aramite	448.75	U
Benzo(a)anthracene	448.75	U
Benzo(a)pyrene	448.75	U
Benzo(b)fluoranthene	448.75	U
Benzo(g,h,i)perylene	448.75	U
Benzo(k)fluoranthene	448.75	U

PARAMETER	RESULT	QUAL
Benzyl alcohol	448.75	U
Bis(2-chloroethoxy)methane	448.75	U
Bis(2-chloroethyl)ether	448.75	U
Bis(2-ethylhexyl)phthalate	467.5	J
Butyl benzyl phthalate	495	J
Chrysene	448.75	U
Di-n-butyl phthalate	448.75	U
Di-n-octyl phthalate	448.75	U
Diallate	448.75	U
Dibenzo(a,h)anthracene	448.75	U
Dibenzofuran	448.75	U
Diethyl phthalate	448.75	U
Dimethyl phthalate	448.75	U
Diphenylamine	448.75	U
Ethyl methacrylate	448.75	U
Ethyl methanesulfonate	448.75	U
Fluoranthene	448.75	U
Fluorene	448.75	U
Hexachlorobenzene	448.75	U
Hexachlorobutadiene	448.75	U
Hexachlorocyclopentadiene	448.75	U
Hexachloroethane	448.75	U
Hexachloropropene	448.75	U
Indeno(1,2,3-cd)pyrene	448.75	U
Isophorone	448.75	U
Isosafrole	448.75	U
Methapyrilene	2245	U
Methyl methanesulfonate	448.75	U
N-nitroso-di-n-butylamine	448.75	U
N-nitroso-di-n-propylamine	448.75	U
N-nitrosodiethylamine	448.75	U
N-nitrosodimethylamine	448.75	U
N-nitrosodiphenylamine	448.75	U
N-nitrosomethylethylamine	448.75	U
N-nitrosomorpholine	448.75	U
N-nitrosopiperidine	448.75	U
N-nitrosopyrrolidine	448.75	U
Naphthalene	448.75	U
Nitrobenzene	448.75	U
o,o,o-triethylphosphorothioate	448.75	U
o-toluidine	448.75	U
p-dimethylaminoazobenzene	448.75	U
p-phenylenediamine	897.5	U
Pentachlorobenzene	448.75	U
Pentachloroethane	448.75	U
Pentachloronitrobenzene	448.75	U
Pentachlorophenol	448.75	U
Phenacetin	448.75	U
Phenanthrene	448.75	U
Phenol	448.75	U

PARAMETER	RESULT	QUAL
Pronamide	448.75	U
Pyrene	448.75	U
Pyridine	448.75	U
Safrole	448.75	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	3.6	U
1,1,1-trichloroethane	3.6	U
1,1,2,2-tetrachloroethane	3.6	U
1,1,2-trichloroethane	3.6	U
1,1-dichloroethane	3.6	U
1,1-dichloroethene	3.6	U
1,2,3-trichloropropane	1.8	U
1,2-dibromo-3-chloropropane	1.8	U
1,2-dibromoethane	1.8	U
1,2-dichloroethane	3.6	U
1,2-dichloropropane	3.6	U
2-butanone	9	U
2-hexanone	9	U
3-chloropropene	9	U
4-methyl-2-pentanone	9	U
Acetone	18.05	U
Acetonitrile	9	U
Acrylonitrile	18.05	U
Benzene	3.6	U
Bis(2-chloroisopropyl)ether	18.05	U
Bromodichloromethane	3.6	U
Bromoform	3.6	U
Bromomethane	3.6	U
Carbon disulfide	9	U
Carbon tetrachloride	3.6	U
Chlorobenzene	3.6	U
Chloroethane	3.6	U
Chloroform	3.6	U
Chloromethane	3.6	U
Cis-1,3-dichloropropene	3.6	U
Dibromochloromethane	3.6	U
Dibromomethane	3.6	U
Dichlorodifluoromethane	3.6	U
Ethylbenzene	3.6	U
Iodomethane	4.5	U
Methyl methacrylate	9	U
Methylene chloride	9	U
Styrene	3.6	U
Tetrachloroethene	2.55	J
Toluene	3.4	U
Trans-1,2-dichloroethene	3.6	U
Trans-1,3-dichloropropene	3.6	U
Trans-1,4-dichloro-2-butene	9	U
Trichloroethene	3.6	U
Trichlorofluoromethane	3.6	U

Keywest MOD01 Su[illegible]mental RFI/RI Sites
Sedime[illegible] Data Set

PARAMETER	RESULT	QUAL
Vinyl acetate	9	U
Vinyl chloride	3.6	U
Xylenes, total	7.2	U
PESTICIDES/PCBs		
Chlorobenzilate	2245	U
Dimethoate	2245	U
Dinoseb	448.75	U
Disulfoton	448.75	U
Famphur	448.75	U
Isodrin	448.75	U
Kepone	448.75	U
Sulfotep	448.75	U
Thionazin	448.75	U
S5SS-6 S5SS-6	**B&RE**	**0 in**
INORGANICS (mg/kg)		
Aluminum	3040	
Antimony	1.7	U
Arsenic	4.7	
Barium	12.8	
Beryllium	0.08	U
Cadmium	1.2	U
Chromium	16.5	
Cobalt	0.83	U
Copper	10.5	
Cyanide	0.3	U
Iron	1710	
Lead	30.1	
Manganese	19.8	
Mercury	0.07	U
Nickel	3.5	
Selenium	1.7	U
Silver	0.83	U
Thallium	1.7	U
Vanadium	7.1	
Zinc	24.6	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	1430	U
1,2,4-trichlorobenzene	1430	U
1,2-dichlorobenzene	1430	U
1,3,5-trinitrobenzene	7140	U
1,3-dichlorobenzene	1430	U
1,3-dinitrobenzene	1430	U
1,4-dichlorobenzene	1430	U
1,4-dioxane	1430	U
1,4-naphthoquinone	1430	U
1-naphthylamine	1430	U
2,3,4,6-tetrachlorophenol	1430	U
2,4,5-trichlorophenol	1430	U
2,4,6-trichlorophenol	1430	U
2,4-dichlorophenol	1430	U

PARAMETER	RESULT	QUAL
2,4-dimethylphenol	1430	U
2,4-dinitrophenol	2860	U
2,4-dinitrotoluene	1430	U
2,6-dichlorophenol	1430	U
2,6-dinitrotoluene	1430	U
2-acetylaminofluorene	1430	U
2-chloronaphthalene	1430	U
2-chlorophenol	1430	U
2-methyl-4,6-dinitrophenol	1430	U
2-methylnaphthalene	1430	U
2-methylphenol	1430	U
2-naphthylamine	1430	U
2-nitroaniline	1430	U
2-nitrophenol	1430	U
2-picoline	1430	U
3,3'-dichlorobenzidine	2860	U
3,3'-dimethylbenzidine	7140	U
3-methylcholanthrene	1430	U
3-nitroaniline	1430	U
4-aminobiphenyl	1430	U
4-bromophenyl phenyl ether	1430	U
4-chloro-3-methylphenol	1430	U
4-chloroaniline	1430	U
4-chlorophenyl phenyl ether	1430	U
4-methylphenol	1430	U
4-nitroaniline	1430	U
4-nitrophenol	1430	U
4-nitroquinoline-1-oxide	1430	U
5-nitro-o-toluidine	1430	U
7,12-dimethylbenz(a)anthracene	1430	U
a,a-dimethylphenethylamine	1430	U
Acenaphthene	1430	U
Acenaphthylene	1430	U
Acetophenone	1430	U
Aniline	1430	U
Anthracene	1430	U
Aramite	1430	U
Benzo(a)anthracene	1430	U
Benzo(a)pyrene	1430	U
Benzo(b)fluoranthene	1430	U
Benzo(g,h,i)perylene	1430	U
Benzo(k)fluoranthene	1430	U
Benzyl alcohol	1430	U
Bis(2-chloroethoxy)methane	1430	U
Bis(2-chloroethyl)ether	1430	U
Bis(2-ethylhexyl)phthalate	1430	U
Butyl benzyl phthalate	1430	U
Chrysene	1430	U
Di-n-butyl phthalate	1430	U
Di-n-octyl phthalate	1430	U

PARAMETER	RESULT	QUAL
Diallate	1430	U
Dibenzo(a,h)anthracene	1430	U
Dibenzofuran	1430	U
Diethyl phthalate	1430	U
Dimethyl phthalate	1430	U
Diphenylamine	1430	U
Ethyl methacrylate	1430	U
Ethyl methanesulfonate	1430	U
Fluoranthene	1430	U
Fluorene	1430	U
Hexachlorobenzene	1430	U
Hexachlorobutadiene	1430	U
Hexachlorocyclopentadiene	1430	U
Hexachloroethane	1430	U
Hexachloropropene	1430	U
Indeno(1,2,3-cd)pyrene	1430	U
Isophorone	1430	U
Isosafrole	1430	U
Methapyrilene	7140	U
Methyl methanesulfonate	1430	U
N-nitroso-di-n-butylamine	1430	U
N-nitroso-di-n-propylamine	1430	U
N-nitrosodiethylamine	1430	U
N-nitrosodimethylamine	1430	U
N-nitrosodiphenylamine	1430	U
N-nitrosomethylethylamine	1430	U
N-nitrosomorpholine	1430	U
N-nitrosopiperidine	1430	U
N-nitrosopyrrolidine	1430	U
Naphthalene	1430	U
Nitrobenzene	1430	U
o,o,o-triethylphosphorothioate	1430	U
o-toluidine	1430	U
p-dimethylaminoazobenzene	1430	U
p-phenylenediamine	2860	U
Pentachlorobenzene	1430	U
Pentachloroethane	1430	U
Pentachloronitrobenzene	1430	U
Pentachlorophenol	1430	U
Phenacetin	1430	U
Phenanthrene	1430	U
Phenol	1430	U
Pronamide	1430	U
Pyrene	1430	U
Pyridine	1430	U
Safrole	1430	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	8.7	U
1,1,1-trichloroethane	8.7	U
1,1,2,2-tetrachloroethane	8.7	U

PARAMETER	RESULT	QUAL
1,1,2-trichloroethane	8.7	U
1,1-dichloroethane	8.7	U
1,1-dichloroethene	8.7	U
1,2,3-trichloropropane	4.3	U
1,2-dibromo-3-chloropropane	4.3	U
1,2-dibromoethane	4.3	U
1,2-dichloroethane	8.7	U
1,2-dichloropropane	8.7	U
2-butanone	21.7	U
2-hexanone	21.7	U
3-chloropropene	21.7	U
4-methyl-2-pentanone	21.7	U
Acetone	147	
Acetonitrile	21.7	U
Acrylonitrile	43.5	U
Benzene	8.7	U
Bis(2-chloroisopropyl)ether	43.5	U
Bromodichloromethane	8.7	U
Bromoform	8.7	U
Bromomethane	8.7	U
Carbon disulfide	21.7	U
Carbon tetrachloride	8.7	U
Chlorobenzene	8.7	U
Chloroethane	8.7	U
Chloroform	8.7	U
Chloromethane	8.7	U
Cis-1,3-dichloropropene	8.7	U
Dibromochloromethane	8.7	U
Dibromomethane	8.7	U
Dichlorodifluoromethane	8.7	U
Ethylbenzene	8.7	U
Iodomethane	10.9	U
Methyl methacrylate	21.7	U
Methylene chloride	22	U
Styrene	8.7	U
Tetrachloroethene	5.6	J
Toluene	8.7	U
Trans-1,2-dichloroethene	8.7	U
Trans-1,3-dichloropropene	8.7	U
Trans-1,4-dichloro-2-butene	21.7	U
Trichloroethene	8.7	U
Trichlorofluoromethane	8.7	U
Vinyl acetate	21.7	U
Vinyl chloride	8.7	U
Xylenes, total	17.4	U
PESTICIDES/PCBs		
Chlorobenzilate	7140	U
Dimethoate	7140	U
Dinoseb	1430	U
Disulfoton	1430	U

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PARAMETER	RESULT	QUAL
Famphur	1430	U
Isodrin	1430	U
Kepone	1430	U
Sulfotep	1430	U
Thionazin	1430	U
SWMU 7		
S7SS-1(IT) AS1109 IT(1994) 0 in		
INORGANICS (mg/kg)		
Antimony	5.8	U
Arsenic	4.2	
Barium	5.6	B
Beryllium	0.28	B
Cadmium	1.2	
Chromium	12.6	
Cobalt	3.9	U
Copper	11.6	
Cyanide	13	
Lead	65.9	
Mercury	0.13	
Nickel	3.9	U
Selenium	0.39	U
Silver	0.97	U
Thallium	0.39	U
Tin	200	
Vanadium	2.4	B
Zinc	382	
MISCELLANEOUS (mg/kg)		
Sulfide	300	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	3100	U
1,2,4-trichlorobenzene	3100	U
1,2-dichlorobenzene	3100	U
1,3,5-trinitrobenzene	3100	U
1,3-dichlorobenzene	3100	U
1,3-dinitrobenzene	3100	U
1,4-dichlorobenzene	3100	U
1,4-dioxane	1900	U
1,4-naphthoquinone	3100	U
1-naphthylamine	37000	U
2,3,4,6-tetrachlorophenol	3100	U
2,4,5-trichlorophenol	15000	U
2,4,6-trichlorophenol	3100	U
2,4-dichlorophenol	3100	U
2,4-dimethylphenol	3100	U
2,4-dinitrophenol	15000	U
2,4-dinitrotoluene	3100	U
2,6-dinitrotoluene	3100	U
2-acetylaminofluorene	3100	U
2-chloronaphthalene	3100	U
2-chlorophenol	3100	U

PARAMETER	RESULT	QUAL
2-methyl-4,6-dinitrophenol	15000	U
2-methylnaphthalene	3100	U
2-methylphenol	3100	U
2-naphthylamine	53000	U
2-nitroaniline	15000	U
2-nitrophenol	3100	U
2-picoline	21000	U
3,3'-dichlorobenzidine	6100	U
3,3'-dimethylbenzidine	25000	U
3-methylcholanthrene	9300	U
3-methylphenol	3100	U
3-nitroaniline	15000	U
4-aminobiphenyl	15000	U
4-bromophenyl phenyl ether	3100	U
4-chloro-3-methylphenol	3100	U
4-chloroaniline	3100	U
4-chlorophenyl phenyl ether	3100	U
4-methylphenol	3100	U
4-nitroaniline	15000	U
4-nitrophenol	15000	U
4-nitroquinoline-1-oxide	3100	U
5-nitro-o-toluidine	6200	U
7,12-dimethylbenz(a)anthracene	6200	U
a,a-dimethylphenethylamine	3100	U
Acenaphthene	3100	U
Acenaphthylene	3100	U
Acetophenone	3100	U
Aniline	3100	U
Anthracene	3100	U
Aramite	3100	U
Benzo(a)anthracene	3100	U
Benzo(a)pyrene	3100	U
Benzo(b)fluoranthene	3100	U
Benzo(g,h,i)perylene	3100	U
Benzo(k)fluoranthene	3100	U
Benzoic acid	15000	U
Benzyl alcohol	3100	U
Bis(2-chloroethoxy)methane	3100	U
Bis(2-chloroethyl)ether	3100	U
Bis(2-ethylhexyl)phthalate	580	J
Butyl benzyl phthalate	3100	U
Chrysene	3100	U
Di-n-butyl phthalate	3100	U
Di-n-octyl phthalate	3100	U
Diallate	3100	U
Dibenzo(a,h)anthracene	3100	U
Dibenzofuran	3100	U
Diethyl phthalate	3100	U
Dimethyl phthalate	3100	U
Diphenylamine	3100	U

PARAMETER	RESULT	QUAL
Ethyl methacrylate	6200	U
Ethyl methanesulfonate	3100	U
Fluoranthene	3100	U
Fluorene	3100	U
Hexachlorobenzene	3100	U
Hexachlorobutadiene	3100	U
Hexachlorocyclopentadiene	3100	U
Hexachloroethane	3100	U
Hexachlorophene	16000	U
Hexachloropropene	6200	U
Indeno(1,2,3-cd)pyrene	3100	U
Isophorone	3100	U
Isosafrole	3100	U
Methapyrilene	12000	U
Methyl methanesulfonate	3100	U
N-nitroso-di-n-butylamine	6200	U
N-nitroso-di-n-propylamine	3100	U
N-nitrosodiethylamine	3100	U
N-nitrosodimethylamine	3100	U
N-nitrosodiphenylamine	3100	U
N-nitrosomethylethylamine	3100	U
N-nitrosopiperidine	3100	U
N-nitrosopyrrolidine	3100	U
Naphthalene	3100	U
Nitrobenzene	3100	U
o,o,o-triethylphosphorothioate	3100	U
o-toluidine	3100	U
p-dimethylaminoazobenzene	9300	U
p-phenylenediamine	15000	U
Pentachlorobenzene	6200	U
Pentachloroethane	6200	U
Pentachloronitrobenzene	6200	U
Pentachlorophenol	15000	U
Phenacetin	3100	U
Phenanthrene	3100	U
Phenol	3100	U
Pronamide	9300	U
Pyrene	3100	U
Pyridine	3100	U
Safrole	3100	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	9	U
1,1,1-trichloroethane	9	U
1,1,2,2-tetrachloroethane	9	U
1,1,2-trichloroethane	9	U
1,1-dichloroethane	9	U
1,1-dichloroethene	9	U
1,2,3-trichloropropane	9	U
1,2-dibromo-3-chloropropane	9	U
1,2-dibromoethane	9	U

PARAMETER	RESULT	QUAL
1,2-dichloroethane	9	U
1,2-dichloropropane	9	U
2-butanone	19	U
2-chloro-1,3-butadiene	9	U
2-hexanone	19	U
3-chloropropene	9	U
4-methyl-2-pentanone	19	U
Acetone	60	
Acetonitrile	190	U
Acrolein	19	U
Acrylonitrile	19	U
Benzene	9	U
Bis(2-chloroisopropyl)ether	3100	U
Bromodichloromethane	9	U
Bromoform	9	U
Bromomethane	19	U
Carbon disulfide	9	U
Carbon tetrachloride	9	U
Chlorobenzene	9	U
Chloroethane	19	U
Chloroform	9	U
Chloromethane	19	U
Cis-1,2-dichloroethene	9	U
Cis-1,3-dichloropropene	9	U
Dibromochloromethane	9	U
Dibromomethane	9	U
Dichlorodifluoromethane	38	U
Ethyl cyanide	190	U
Ethylbenzene	9	U
Iodomethane	9	U
Methacrylonitrile	19	U
Methyl methacrylate	19	U
Methylene chloride	34	B
Styrene	9	U
Tetrachloroethene	9	U
Toluene	9	U
Trans-1,2-dichloroethene	9	U
Trans-1,3-dichloropropene	9	U
Trans-1,4-dichloro-2-butene	38	U
Trichloroethene	9	U
Trichlorofluoromethane	9	U
Vinyl acetate	19	U
Vinyl chloride	19	U
Xylenes, total	9	U
PESTICIDES/PCBs		
2,4,5-T	190	U
2,4,5-TP (silvex)	190	U
2,4-D	190	U
4,4'-DDD	30	U
4,4'-DDE	140	DJ

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PARAMETER	RESULT	QUAL
4,4'-DDT	30	U
Aldrin	15	U
alpha-BHC	15	U
alpha-chlordane	150	U
Aroclor-1016	150	U
Aroclor-1221	150	U
Aroclor-1232	150	U
Aroclor-1242	150	U
Aroclor-1248	150	U
Aroclor-1254	300	U
Aroclor-1260	300	U
beta-BHC	15	U
Chlorobenzilate	150	U
delta-BHC	15	U
Dieldrin	30	U
Dimethoate	65	U
Dinoseb	6200	U
Disulfoton	65	U
Endosulfan I	15	U
Endosulfan II	30	U
Endosulfan sulfate	30	U
Endrin	30	U
Endrin ketone	30	U
Famphur	65	U
gamma-BHC (lindane)	15	U
gamma-chlordane	150	U
Heptachlor	15	U
Heptachlor epoxide	15	U
Isodrin	15	U
Kepone	30	U
Methoxychlor	150	U
Methyl parathion	65	U
Parathion	65	U
Phorate	65	U
Sulfotep	3100	U
Thionazin	65	U
Toxaphene	300	U
S7SS-2(IT) AS1112 IT(1994) 1 in		
INORGANICS (mg/kg)		
Antimony	9.2	U
Arsenic	3.6	
Barium	6.1	B
Beryllium	0.43	B
Cadmium	1.5	U
Chromium	12.4	
Cobalt	6.2	U
Copper	14.2	
Lead	53.5	
Mercury	0.15	
Nickel	6.2	U

PARAMETER	RESULT	QUAL
Selenium	0.62	U
Silver	1.5	U
Thallium	0.62	U
Tin	9.2	U
Vanadium	3.1	U
Zinc	141	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	4.7	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	7.6	U
2,4,6-trichlorophenol	900	U
2,4-dichlorophenol	900	U
2,4-dimethylphenol	900	U
2,4-dinitrophenol	4500	U
2-chlorophenol	900	U
2-methyl-4,6-dinitrophenol	4500	U
2-nitrophenol	900	U
4-chloro-3-methylphenol	900	U
4-nitrophenol	4500	U
Acenaphthene	500	U
Acenaphthylene	500	U
Anthracene	250	U
Benzo(a)anthracene	600	U
Benzo(a)pyrene	250	U
Benzo(b)fluoranthene	250	U
Benzo(g,h,i)perylene	250	U
Benzo(k)fluoranthene	250	U
Chrysene	250	U
Dibenzo(a,h)anthracene	250	U
Fluoranthene	250	U
Fluorene	250	U
Indeno(1,2,3-cd)pyrene	250	U
Naphthalene	500	U
Pentachlorophenol	4500	U
Phenanthrene	900	
Phenol	900	U
Pyrene	250	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.9	U
1,1,1-trichloroethane	0.9	U
1,1,2,2-tetrachloroethane	0.9	U
1,1,2-trichloroethane	0.6	U
1,1-dichloroethane	2.2	U
1,1-dichloroethene	4.1	U
1,2,3-trichloropropane	3.2	U
1,2-dichloroethane	0.9	U
1,2-dichloropropane	1.3	U
1-chlorohexane	3.2	U
2-chloroethyl vinyl ether	4.1	U
Benzene	6.3	U

PARAMETER	RESULT	QUAL
Bis(2-chloroisopropyl)ether	63	U
Bromobenzene	6.3	U
Bromodichloromethane	3.2	U
Bromoform	6.3	U
Bromomethane	3.8	U
Carbon tetrachloride	3.8	U
Chlorobenzene	6.3	U
Chloroethane	16	U
Chloroform	1.6	U
Chloromethane	2.5	U
Chlorotoluene	3.2	U
Cis-1,2-dichloroethene	3.2	U
Cis-1,3-dichloropropene	11	U
Dibromochloromethane	2.8	U
Dibromomethane	6.3	U
Dichlorodifluoromethane	5.7	U
Ethylbenzene	6.3	U
Methylene chloride	47	U
Tetrachloroethene	0.9	U
Toluene	6.3	U
Trans-1,2-dichloroethene	3.2	U
Trans-1,3-dichloropropene	11	U
Trichloroethene	3.8	U
Trichlorofluoromethane	6.3	U
Vinyl chloride	5.7	U
Xylenes, total	3.2	U
PESTICIDES/PCBs		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	220	*
S7SS-3(IT) AS1115/16-AV IT(1994) 1 in		
INORGANICS (mg/kg)		
Antimony	16	U
Arsenic	3.6	B
Barium	7.95	B
Beryllium	0.4575	B
Cadmium	2.65	U
Chromium	26.2	
Cobalt	10.65	U
Copper	52.1	
Lead	116.95	
Mercury	0.44	
Nickel	10.65	U
Selenium	1.05	U
Silver	4.65	B
Thallium	1.05	U
Tin	23.5	B

PARAMETER	RESULT	QUAL
Vanadium	9.3	B
Zinc	350	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	8	U
1,3-dichlorobenzene	17.5	U
1,4-dichlorobenzene	12.5	U
2,4,6-trichlorophenol	2000	U
2,4-dichlorophenol	2000	U
2,4-dimethylphenol	2000	U
2,4-dinitrophenol	10250	U
2-chlorophenol	2000	U
2-methyl-4,6-dinitrophenol	10250	U
2-nitrophenol	2000	U
4-chloro-3-methylphenol	2000	U
4-nitrophenol	10250	U
Acenaphthene	855	U
Acenaphthylene	855	U
Anthracene	425	U
Benzo(a)anthracene	425	U
Benzo(a)pyrene	425	U
Benzo(b)fluoranthene	770	U
Benzo(g,h,i)perylene	425	U
Benzo(k)fluoranthene	425	U
Chrysene	425	U
Dibenzo(a,h)anthracene	425	U
Fluoranthene	425	U
Fluorene	425	U
Indeno(1,2,3-cd)pyrene	425	U
Naphthalene	855	U
Pentachlorophenol	10250	U
Phenanthrene	425	U
Phenol	2000	U
Pyrene	425	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	1.6	U
1,1,1-trichloroethane	1.6	U
1,1,2,2-tetrachloroethane	1.6	U
1,1,2-trichloroethane	1.1	U
1,1-dichloroethane	3.7	U
1,1-dichloroethene	6.9	U
1,2,3-trichloropropane	5.35	U
1,2-dichloroethane	1.6	U
1,2-dichloropropane	2.2	U
1-chlorohexane	5.35	U
2-chloroethyl vinyl ether	6.9	U
Benzene	10.5	U
Bis(2-chloroisopropyl)ether	105	U
Bromobenzene	10.5	U
Bromodichloromethane	5.35	U
Bromoform	10.5	U

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PARAMETER	RESULT	QUAL
Bromomethane	6.4	U
Carbon tetrachloride	6.4	U
Chlorobenzene	10.5	U
Chloroethane	27.5	U
Chloroform	2.65	U
Chloromethane	4.25	U
Chlorotoluene	5.35	U
Cis-1,2-dichloroethene	5.35	U
Cis-1,3-dichloropropene	18.5	U
Dibromochloromethane	4.8	U
Dibromomethane	10.5	U
Dichlorodifluoromethane	9.6	U
Ethylbenzene	10.5	U
Methylene chloride	80	U
Tetrachloroethene	1.6	U
Toluene	10.5	U
Trans-1,2-dichloroethene	5.35	U
Trans-1,3-dichloropropene	18.5	U
Trichloroethene	6.4	U
Trichlorofluoromethane	10.5	U
Vinyl chloride	9.6	U
Xylenes, total	5.35	U
PESTICIDES/PCBs		
Aroclor-1016	40	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	90	U
Aroclor-1260	510	*
S7SS-4(IT) AS1118 IT(1994) 1 in		
INORGANICS (mg/kg)		
Antimony	7	B
Arsenic	3.7	
Barium	11	B
Beryllium	0.39	B
Cadmium	2.8	
Chromium	24.1	
Cobalt	4.6	U
Copper	59.8	
Cyanide	10	U
Lead	86.5	
Mercury	1.8	
Nickel	10	
Selenium	0.46	U
Silver	29.1	
Thallium	0.46	U
Tin	31.8	B
Vanadium	5.9	B
Zinc	274	
MISCELLANEOUS (mg/kg)		

PARAMETER	RESULT	QUAL
Sulfide	100	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	3700	U
1,2,4-trichlorobenzene	3700	U
1,2-dichlorobenzene	3700	U
1,3,5-trinitrobenzene	3700	U
1,3-dichlorobenzene	3700	U
1,3-dinitrobenzene	3700	U
1,4-dichlorobenzene	3700	U
1,4-dioxane	2800	U
1,4-naphthoquinone	3700	U
1-naphthylamine	45000	U
2,3,4,6-tetrachlorophenol	3700	U
2,4,5-trichlorophenol	18000	U
2,4,6-trichlorophenol	3700	U
2,4-dichlorophenol	3700	U
2,4-dimethylphenol	3700	U
2,4-dinitrophenol	18000	U
2,4-dinitrotoluene	3700	U
2,6-dinitrotoluene	3700	U
2-acetylaminofluorene	3700	U
2-chloronaphthalene	3700	U
2-chlorophenol	3700	U
2-methyl-4,6-dinitrophenol	18000	U
2-methylnaphthalene	3700	U
2-methylphenol	3700	U
2-naphthylamine	65000	U
2-nitroaniline	18000	U
2-nitrophenol	3700	U
2-picoline	26000	U
3,3'-dichlorobenzidine	7500	U
3,3'-dimethylbenzidine	31000	U
3-methylcholanthrene	11000	U
3-methylphenol	3700	U
3-nitroaniline	18000	U
4-aminobiphenyl	19000	U
4-bromophenyl phenyl ether	3700	U
4-chloro-3-methylphenol	3700	U
4-chloroaniline	3700	U
4-chlorophenyl phenyl ether	3700	U
4-methylphenol	3700	U
4-nitroaniline	18000	U
4-nitrophenol	18000	U
4-nitroquinoline-1-oxide	3700	U
5-nitro-o-toluidine	7600	U
7,12-dimethylbenz(a)anthracene	7600	U
a,a-dimethylphenethylamine	3700	U
Acenaphthene	3700	U
Acenaphthylene	3700	U
Acetophenone	3700	U

PARAMETER	RESULT	QUAL
Aniline	3700	U
Anthracene	3700	U
Aramite	3700	U
Benzo(a)anthracene	3700	U
Benzo(a)pyrene	3700	U
Benzo(b)fluoranthene	3700	U
Benzo(g,h,i)perylene	3700	U
Benzo(k)fluoranthene	3700	U
Benzoic acid	18000	U
Benzyl alcohol	3700	U
Bis(2-chloroethoxy)methane	3700	U
Bis(2-chloroethyl)ether	3700	U
Bis(2-ethylhexyl)phthalate	620	J
Butyl benzyl phthalate	3700	U
Chrysene	3700	U
Di-n-butyl phthalate	3700	U
Di-n-octyl phthalate	3700	U
Diallate	3700	U
Dibenzo(a,h)anthracene	3700	U
Dibenzofuran	3700	U
Diethyl phthalate	3700	U
Dimethyl phthalate	3700	U
Diphenylamine	3700	U
Ethyl methacrylate	7600	U
Ethyl methanesulfonate	3700	U
Fluoranthene	3700	U
Fluorene	3700	U
Hexachlorobenzene	3700	U
Hexachlorobutadiene	3700	U
Hexachlorocyclopentadiene	3700	U
Hexachloroethane	3700	U
Hexachlorophene	19000	U
Hexachloropropene	7600	U
Indeno(1,2,3-cd)pyrene	3700	U
Isophorone	3700	U
Isosafrole	3700	U
Methapyrilene	15000	U
Methyl methanesulfonate	3700	U
N-nitroso-di-n-butylamine	7600	U
N-nitroso-di-n-propylamine	3700	U
N-nitrosodiethylamine	3700	U
N-nitrosodimethylamine	3700	U
N-nitrosodiphenylamine	3700	U
N-nitrosomethylethylamine	3700	U
N-nitrosopiperidine	3700	U
N-nitrosopyrrolidine	3700	U
Naphthalene	3700	U
Nitrobenzene	3700	U
o,o,o-triethylphosphorothioate	3700	U
o-toluidine	3700	U

PARAMETER	RESULT	QUAL
p-dimethylaminoazobenzene	11000	U
p-phenylenediamine	19000	U
Pentachlorobenzene	7600	U
Pentachloroethane	7600	U
Pentachloronitrobenzene	7600	U
Pentachlorophenol	18000	U
Phenacetin	3700	U
Phenanthrene	3700	U
Phenol	3700	U
Pronamide	11000	U
Pyrene	3700	U
Pyridine	3700	U
Safrole	3700	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	14	U
1,1,1-trichloroethane	14	U
1,1,2,2-tetrachloroethane	14	U
1,1,2-trichloroethane	14	U
1,1-dichloroethane	14	U
1,1-dichloroethene	14	U
1,2,3-trichloropropane	14	U
1,2-dibromo-3-chloropropane	14	U
1,2-dibromoethane	14	U
1,2-dichloroethane	14	U
1,2-dichloropropane	14	U
2-butanone	8	J
2-chloro-1,3-butadiene	14	U
2-hexanone	28	U
3-chloropropene	14	U
4-methyl-2-pentanone	28	U
Acetone	190	
Acetonitrile	280	U
Acrolein	28	U
Acrylonitrile	28	U
Benzene	14	U
Bis(2-chloroisopropyl)ether	3700	U
Bromodichloromethane	14	U
Bromoform	14	U
Bromomethane	28	U
Carbon disulfide	14	U
Carbon tetrachloride	14	U
Chlorobenzene	14	U
Chloroethane	28	U
Chloroform	14	U
Chloromethane	28	U
Cis-1,2-dichloroethene	3	J
Cis-1,3-dichloropropene	14	U
Dibromochloromethane	14	U
Dibromomethane	14	U
Dichlorodifluoromethane	56	U

Keywest MOD01 Sup mental RFI/RI Sites
Sedimen Data Set

PARAMETER	RESULT	QUAL
Ethyl cyanide	280	U
Ethylbenzene	14	U
Iodomethane	14	U
Methacrylonitrile	28	U
Methyl methacrylate	28	U
Methylene chloride	49	BJ
Styrene	14	U
Tetrachloroethene	14	U
Toluene	14	U
Trans-1,2-dichloroethene	14	U
Trans-1,3-dichloropropene	14	U
Trans-1,4-dichloro-2-butene	56	U
Trichloroethene	14	U
Trichlorofluoromethane	14	U
Vinyl acetate	28	U
Vinyl chloride	28	U
Xylenes, total	14	U
PESTICIDES/PCBs		
2,4,5-T	140	U
2,4,5-TP (silvex)	140	U
2,4-D	140	U
4,4'-DDD	58	
4,4'-DDE	450	F
4,4'-DDT	44	U
Aldrin	22	U
alpha-BHC	22	U
alpha-chlordane	220	U
Aroclor-1016	220	U
Aroclor-1221	220	U
Aroclor-1232	220	U
Aroclor-1242	220	U
Aroclor-1248	220	U
Aroclor-1254	440	U
Aroclor-1260	440	U
beta-BHC	22	U
Chlorobenzilate	220	U
delta-BHC	22	U
Dieldrin	44	U
Dimethoate	87	U
Dinoseb	7600	U
Disulfoton	87	U
Endosulfan I	22	U
Endosulfan II	44	U
Endosulfan sulfate	44	U
Endrin	44	U
Endrin ketone	44	U
Famphur	87	U
gamma-BHC (lindane)	22	U
gamma-chlordane	51	J
Heptachlor	22	U

PARAMETER	RESULT	QUAL
Heptachlor epoxide	22	U
Isodrin	22	U
Kepone	44	U
Methoxychlor	220	U
Methyl parathion	87	U
Parathion	87	U
Phorate	87	U
Sulfotep	3700	U
Thionazin	87	U
Toxaphene	440	U
S7SS-4 S7SS-4 B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	2070	
Antimony	3.2	U
Arsenic	3.2	U
Barium	9.3	
Beryllium	0.16	U
Cadmium	2.6	
Chromium	32.3	
Cobalt	1.6	U
Copper	79.4	
Iron	3740	
Lead	120	
Manganese	25.2	
Mercury	0.25	
Nickel	9.1	
Selenium	3.2	U
Silver	6.2	
Thallium	3.2	U
Vanadium	14.7	
Zinc	487	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	2750	UJ
1,2,4-trichlorobenzene	2750	UJ
1,2-dichlorobenzene	2750	UJ
1,3,5-trinitrobenzene	13700	UJ
1,3-dichlorobenzene	2750	UJ
1,3-dinitrobenzene	2750	UJ
1,4-dichlorobenzene	2750	UJ
1,4-dioxane	2750	UJ
1,4-naphthoquinone	2750	UJ
1-naphthylamine	2750	UJ
2,3,4,6-tetrachlorophenol	2750	UJ
2,4,5-trichlorophenol	2750	UJ
2,4,6-trichlorophenol	2750	UJ
2,4-dichlorophenol	2750	UJ
2,4-dimethylphenol	2750	UJ
2,4-dinitrophenol	5490	UJ
2,4-dinitrotoluene	2750	UJ
2,6-dichlorophenol	2750	UJ

PARAMETER	RESULT	QUAL
2,6-dinitrotoluene	2750	UJ
2-acetylaminofluorene	2750	UJ
2-chloronaphthalene	2750	UJ
2-chlorophenol	2750	UJ
2-methyl-4,6-dinitrophenol	2750	UJ
2-methylnaphthalene	2750	UJ
2-methylphenol	2750	UJ
2-naphthylamine	2750	UJ
2-nitroaniline	2750	UJ
2-nitrophenol	2750	UJ
2-picoline	2750	UJ
3,3'-dichlorobenzidine	13700	UJ
3,3'-dimethylbenzidine	13700	UJ
3-methylcholanthrene	2750	UJ
3-nitroaniline	2750	UJ
4-aminobiphenyl	2750	UJ
4-bromophenyl phenyl ether	2750	UJ
4-chloro-3-methylphenol	2750	UJ
4-chloroaniline	2750	UJ
4-chlorophenyl phenyl ether	2750	UJ
4-methylphenol	2750	UJ
4-nitroaniline	2750	UJ
4-nitrophenol	5490	UJ
4-nitroquinoline-1-oxide	2750	UJ
5-nitro-o-toluidine	2750	UJ
7,12-dimethylbenz(a)anthracene	2750	UJ
a,a-dimethylphenethylamine	2750	UJ
Acenaphthene	2750	UJ
Acenaphthylene	2750	UJ
Acetophenone	2750	UJ
Aniline	2750	UJ
Anthracene	2750	UJ
Aramite	2750	UJ
Benzo(a)anthracene	2750	UJ
Benzo(a)pyrene	2750	UJ
Benzo(b)fluoranthene	2750	UJ
Benzo(g,h,i)perylene	2750	UJ
Benzo(k)fluoranthene	2750	UJ
Benzyl alcohol	2750	UJ
Bis(2-chloroethoxy)methane	2750	UJ
Bis(2-chloroethyl)ether	2750	UJ
Bis(2-ethylhexyl)phthalate	2750	UJ
Butyl benzyl phthalate	2750	UJ
Chrysene	2750	UJ
Di-n-butyl phthalate	2750	UJ
Di-n-octyl phthalate	2750	UJ
Diallate	2750	UJ
Dibenzo(a,h)anthracene	2750	UJ
Dibenzofuran	2750	UJ
Diethyl phthalate	2750	UJ

PARAMETER	RESULT	QUAL
Dimethyl phthalate	2750	UJ
Diphenylamine	2750	UJ
Ethyl methacrylate	2750	UJ
Ethyl methanesulfonate	2750	UJ
Fluoranthene	2750	UJ
Fluorene	2750	UJ
Hexachlorobenzene	2750	UJ
Hexachlorobutadiene	2750	UJ
Hexachlorocyclopentadiene	2750	UJ
Hexachloroethane	2750	UJ
Hexachloropropene	2750	UJ
Indeno(1,2,3-cd)pyrene	2750	UJ
Isophorone	2750	UJ
Isosafrole	2750	UJ
Methapyrilene	13700	UJ
Methyl methanesulfonate	2750	UJ
N-nitroso-di-n-butylamine	2750	UJ
N-nitroso-di-n-propylamine	2750	UJ
N-nitrosodiethylamine	2750	UJ
N-nitrosodimethylamine	2750	UJ
N-nitrosodiphenylamine	2750	UJ
N-nitrosomethylethylamine	2750	UJ
N-nitrosomorpholine	2750	UJ
N-nitrosopiperidine	2750	UJ
N-nitrosopyrrolidine	2750	UJ
Naphthalene	2750	UJ
Nitrobenzene	2750	UJ
o,o,o-triethylphosphorothioate	2750	UJ
o-toluidine	2750	UJ
p-dimethylaminoazobenzene	2750	UJ
p-phenylenediamine	5490	UJ
Pentachlorobenzene	2750	UJ
Pentachloroethane	2750	UJ
Pentachloronitrobenzene	2750	UJ
Pentachlorophenol	2750	UJ
Phenacetin	2750	UJ
Phenanthrene	2750	UJ
Phenol	2750	UJ
Pronamide	2750	UJ
Pyrene	2750	UJ
Pyridine	2750	UJ
Safrole	2750	UJ
VOLATILE ORGANIC COMPOUNDS		
Methyl methacrylate	2750	UJ
PESTICIDES/PCBs		
2,4,5-T	16.6	U
2,4,5-TP (silvex)	16.6	U
2,4-D	16.6	U
4,4'-DDD	10.9	U
4,4'-DDE	10.9	U

Keywest MOD01 Supplemental RFI/RI Sites
Sediment Data Set

PARAMETER	RESULT	QUAL
4,4'-DDT	10.9	U
Aldrin	5.4	U
alpha-BHC	5.6	
Aroclor-1016	34	U
Aroclor-1221	34	U
Aroclor-1232	34	U
Aroclor-1242	34	U
Aroclor-1248	34	U
Aroclor-1254	34	U
Aroclor-1260	34	U
beta-BHC	5.4	U
Chlordane	67.9	U
Chlorobenzilate	13700	UJ
delta-BHC	11.5	
Dieldrin	10.9	U
Dimethoate	13700	UJ
Dinoseb	2750	UJ
Disulfoton	2750	UJ
Endosulfan I	5.4	U
Endosulfan II	10.9	U
Endosulfan sulfate	10.9	U
Endrin	10.9	U
Endrin aldehyde	10.9	U
Famphur	2750	UJ
gamma-BHC (lindane)	5.4	U
Heptachlor	5.4	U
Heptachlor epoxide	5.4	U
Isodrin	2750	UJ
Kepone	2750	UJ
Methoxychlor	54.3	U
Methyl parathion	13.6	U
Parathion	13.6	U
Phorate	13.6	U
Sulfotep	2750	UJ
Thionazin	2750	UJ
Toxaphene	272	U
S7SS-5 S7SS-5-AVG	**B&RE**	**0 in**
INORGANICS (mg/kg)		
Aluminum	2605	
Antimony	1.25	U
Arsenic	5.75	
Barium	13.55	
Beryllium	0.065	U
Cadmium	0.925	
Chromium	6.85	
Cobalt	0.63	U
Copper	14.15	
Iron	2130	
Lead	29.45	
Manganese	14.55	

PARAMETER	RESULT	QUAL
Mercury	0.05	U
Nickel	3.6	
Selenium	1.25	U
Silver	0.7	
Thallium	1.25	U
Vanadium	7.8	
Zinc	83.65	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	1075	UJ
1,2,4-trichlorobenzene	1075	UJ
1,2-dichlorobenzene	1075	UJ
1,3,5-trinitrobenzene	5380	UJ
1,3-dichlorobenzene	1075	UJ
1,3-dinitrobenzene	1075	UJ
1,4-dichlorobenzene	1075	UJ
1,4-dioxane	1075	UJ
1,4-naphthoquinone	1075	UJ
1-naphthylamine	1075	UJ
2,3,4,6-tetrachlorophenol	1075	UJ
2,4,5-trichlorophenol	1075	UJ
2,4,6-trichlorophenol	1075	UJ
2,4-dichlorophenol	1075	UJ
2,4-dimethylphenol	1075	UJ
2,4-dinitrophenol	2150	UJ
2,4-dinitrotoluene	1075	UJ
2,6-dichlorophenol	1075	UJ
2,6-dinitrotoluene	1075	UJ
2-acetylaminofluorene	1075	UJ
2-chloronaphthalene	1075	UJ
2-chlorophenol	1075	UJ
2-methyl-4,6-dinitrophenol	1075	UJ
2-methylnaphthalene	1075	UJ
2-methylphenol	1075	UJ
2-naphthylamine	1075	UJ
2-nitroaniline	1075	UJ
2-nitrophenol	1075	UJ
2-picoline	1075	UJ
3,3'-dichlorobenzidine	5380	UJ
3,3'-dimethylbenzidine	5380	UJ
3-methylcholanthrene	1075	UJ
3-nitroaniline	1075	UJ
4-aminobiphenyl	1075	UJ
4-bromophenyl phenyl ether	1075	UJ
4-chloro-3-methylphenol	1075	UJ
4-chloroaniline	1075	UJ
4-chlorophenyl phenyl ether	1075	UJ
4-methylphenol	1075	UJ
4-nitroaniline	1075	UJ
4-nitrophenol	2150	UJ
4-nitroquinoline-1-oxide	1075	UJ

PARAMETER	RESULT	QUAL
5-nitro-o-toluidine	1075	UJ
7,12-dimethylbenz(a)anthracene	1075	UJ
a,a-dimethylphenethylamine	1075	UJ
Acenaphthene	1075	UJ
Acenaphthylene	1075	UJ
Acetophenone	1075	UJ
Aniline	1075	UJ
Anthracene	1075	UJ
Aramite	1075	UJ
Benzo(a)anthracene	1075	UJ
Benzo(a)pyrene	1075	UJ
Benzo(b)fluoranthene	1075	UJ
Benzo(g,h,i)perylene	1075	UJ
Benzo(k)fluoranthene	1075	UJ
Benzyl alcohol	1075	UJ
Bis(2-chloroethoxy)methane	1075	UJ
Bis(2-chloroethyl)ether	1075	UJ
Bis(2-ethylhexyl)phthalate	1075	UJ
Butyl benzyl phthalate	1075	UJ
Chrysene	1075	UJ
Di-n-butyl phthalate	1075	UJ
Di-n-octyl phthalate	1075	UJ
Diallate	1075	UJ
Dibenzo(a,h)anthracene	1075	UJ
Dibenzofuran	1075	UJ
Diethyl phthalate	1075	UJ
Dimethyl phthalate	1075	UJ
Diphenylamine	1075	UJ
Ethyl methacrylate	1075	UJ
Ethyl methanesulfonate	1075	UJ
Fluoranthene	1075	UJ
Fluorene	1075	UJ
Hexachlorobenzene	1075	UJ
Hexachlorobutadiene	1075	UJ
Hexachlorocyclopentadiene	1075	UJ
Hexachloroethane	1075	UJ
Hexachloropropene	1075	UJ
Indeno(1,2,3-cd)pyrene	1075	UJ
Isophorone	1075	UJ
Isosafrole	1075	UJ
Methapyrilene	5380	UJ
Methyl methanesulfonate	1075	UJ
N-nitroso-di-n-butylamine	1075	UJ
N-nitroso-di-n-propylamine	1075	UJ
N-nitrosodiethylamine	1075	UJ
N-nitrosodimethylamine	1075	UJ
N-nitrosodiphenylamine	1075	UJ
N-nitrosomethylethylamine	1075	UJ
N-nitrosomorpholine	1075	UJ
N-nitrosopiperidine	1075	UJ

PARAMETER	RESULT	QUAL
N-nitrosopyrrolidine	1075	UJ
Naphthalene	1075	UJ
Nitrobenzene	1075	UJ
o,o,o-triethylphosphorothioate	1075	UJ
o-toluidine	1075	UJ
p-dimethylaminoazobenzene	1075	UJ
p-phenylenediamine	2150	UJ
Pentachlorobenzene	1075	UJ
Pentachloroethane	1075	UJ
Pentachloronitrobenzene	1075	UJ
Pentachlorophenol	1075	UJ
Phenacetin	1075	UJ
Phenanthrene	1075	UJ
Phenol	1075	UJ
Pronamide	1075	UJ
Pyrene	1075	UJ
Pyridine	1075	UJ
Safrole	1075	UJ
VOLATILE ORGANIC COMPOUNDS		
Methyl methacrylate	1075	UJ
PESTICIDES/PCBs		
2,4,5-T	6.5	U
2,4,5-TP (silvex)	6.35	U
2,4-D	6.5	U
4,4'-DDD	10.05	J
4,4'-DDE	12.85	J
4,4'-DDT	5.7	J
alpha-BHC	2.5	J
Aroclor-1260	56.4	J
Chlorobenzilate	5380	UJ
delta-BHC	5	J
Dieldrin	6	J
Dimethoate	5380	UJ
Dinoseb	1075	UJ
Disulfoton	1075	UJ
Famphur	1075	UJ
Isodrin	1075	UJ
Kepone	1075	UJ
Sulfotep	1075	UJ
Thionazin	1075	UJ
S7SS-6 S7SS-6	**B&RE**	**0 in**
INORGANICS (mg/kg)		
Aluminum	4330	
Antimony	2.1	U
Arsenic	2.1	U
Barium	13.3	
Beryllium	0.1	U
Cadmium	2.1	
Chromium	24	
Cobalt	1	U

Keywest MOD01 Sup[illegible]mental RFI/RI Sites
Sedimen[illegible] Data Set

PARAMETER	RESULT	QUAL
Copper	127	
Iron	3510	
Lead	209	
Manganese	28.8	
Mercury	0.41	
Nickel	11	
Selenium	2.1	U
Silver	10.6	
Thallium	2.1	U
Vanadium	16.1	
Zinc	436	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	1720	UJ
1,2,4-trichlorobenzene	1720	UJ
1,2-dichlorobenzene	1720	UJ
1,3,5-trinitrobenzene	8600	UJ
1,3-dichlorobenzene	1720	UJ
1,3-dinitrobenzene	1720	UJ
1,4-dichlorobenzene	1720	UJ
1,4-dioxane	1720	UJ
1,4-naphthoquinone	1720	UJ
1-naphthylamine	1720	UJ
2,3,4,6-tetrachlorophenol	1720	UJ
2,4,5-trichlorophenol	1720	UJ
2,4,6-trichlorophenol	1720	UJ
2,4-dichlorophenol	1720	UJ
2,4-dimethylphenol	1720	UJ
2,4-dinitrophenol	3440	UJ
2,4-dinitrotoluene	1720	UJ
2,6-dichlorophenol	1720	UJ
2,6-dinitrotoluene	1720	UJ
2-acetylaminofluorene	1720	UJ
2-chloronaphthalene	1720	UJ
2-chlorophenol	1720	UJ
2-methyl-4,6-dinitrophenol	1720	UJ
2-methylnaphthalene	1720	UJ
2-methylphenol	1720	UJ
2-naphthylamine	1720	UJ
2-nitroaniline	1720	UJ
2-nitrophenol	1720	UJ
2-picoline	1720	UJ
3,3'-dichlorobenzidine	8600	UJ
3,3'-dimethylbenzidine	8600	UJ
3-methylcholanthrene	1720	UJ
3-nitroaniline	1720	UJ
4-aminobiphenyl	1720	UJ
4-bromophenyl phenyl ether	1720	UJ
4-chloro-3-methylphenol	1720	UJ
4-chloroaniline	1720	UJ
4-chlorophenyl phenyl ether	1720	UJ

PARAMETER	RESULT	QUAL
4-methylphenol	1720	UJ
4-nitroaniline	1720	UJ
4-nitrophenol	3440	UJ
4-nitroquinoline-1-oxide	1720	UJ
5-nitro-o-toluidine	1720	UJ
7,12-dimethylbenz(a)anthracene	1720	UJ
a,a-dimethylphenethylamine	1720	UJ
Acenaphthene	1720	UJ
Acenaphthylene	1720	UJ
Acetophenone	1720	UJ
Aniline	1720	UJ
Anthracene	1720	UJ
Aramite	1720	UJ
Benzo(a)anthracene	1910	J
Benzo(a)pyrene	1720	UJ
Benzo(b)fluoranthene	3500	J
Benzo(g,h,i)perylene	992	J
Benzo(k)fluoranthene	1720	UJ
Benzyl alcohol	1720	UJ
Bis(2-chloroethoxy)methane	1720	UJ
Bis(2-chloroethyl)ether	1720	UJ
Bis(2-ethylhexyl)phthalate	1720	UJ
Butyl benzyl phthalate	1720	UJ
Chrysene	2120	J
Di-n-butyl phthalate	1720	UJ
Di-n-octyl phthalate	1720	UJ
Diallate	1720	UJ
Dibenzo(a,h)anthracene	1720	UJ
Dibenzofuran	1720	UJ
Diethyl phthalate	1720	UJ
Dimethyl phthalate	1720	UJ
Diphenylamine	1720	UJ
Ethyl methacrylate	1720	UJ
Ethyl methanesulfonate	1720	UJ
Fluoranthene	4000	J
Fluorene	1720	UJ
Hexachlorobenzene	1720	UJ
Hexachlorobutadiene	1720	UJ
Hexachlorocyclopentadiene	1720	UJ
Hexachloroethane	1720	UJ
Hexachloropropene	1720	UJ
Indeno(1,2,3-cd)pyrene	1720	UJ
Isophorone	1720	UJ
Isosafrole	1720	UJ
Methapyrilene	8600	UJ
Methyl methanesulfonate	1720	UJ
N-nitroso-di-n-butylamine	1720	UJ
N-nitroso-di-n-propylamine	1720	UJ
N-nitrosodiethylamine	1720	UJ
N-nitrosodimethylamine	1720	UJ

PARAMETER	RESULT	QUAL
N-nitrosodiphenylamine	1720	UJ
N-nitrosomethylethylamine	1720	UJ
N-nitrosomorpholine	1720	UJ
N-nitrosopiperidine	1720	UJ
N-nitrosopyrrolidine	1720	UJ
Naphthalene	1720	UJ
Nitrobenzene	1720	UJ
o,o,o-triethylphosphorothioate	1720	UJ
o-toluidine	1720	UJ
p-dimethylaminoazobenzene	1720	UJ
p-phenylenediamine	3440	UJ
Pentachlorobenzene	1720	UJ
Pentachloroethane	1720	UJ
Pentachloronitrobenzene	1720	UJ
Pentachlorophenol	1720	UJ
Phenacetin	1720	UJ
Phenanthrene	1720	UJ
Phenol	1720	UJ
Pronamide	1720	UJ
Pyrene	4000	J
Pyridine	1720	UJ
Safrole	1720	UJ
VOLATILE ORGANIC COMPOUNDS		
Methyl methacrylate	1720	UJ
PESTICIDES/PCBs		
2,4,5-T	10.4	U
2,4,5-TP (silvex)	10.4	U
2,4-D	10.4	U
4,4'-DDD	35.1	J
4,4'-DDE	142	J
4,4'-DDT	674	J
Chlorobenzilate	8600	UJ
Dimethoate	8600	UJ
Dinoseb	1720	UJ
Disulfoton	1720	UJ
Famphur	1720	UJ
Isodrin	1720	UJ
Kepone	1720	UJ
Sulfotep	1720	UJ
Thionazin	1720	UJ
S7SS-7 S7SS-7	B&RE	0 in
INORGANICS (mg/kg)		
Aluminum	1780	
Antimony	3	U
Arsenic	3.9	
Barium	11.6	
Beryllium	0.15	U
Cadmium	1.2	U
Chromium	14	
Cobalt	1.5	U

PARAMETER	RESULT	QUAL
Copper	64.2	
Iron	4270	
Lead	109	
Manganese	30.5	
Mercury	0.12	U
Nickel	6.7	
Selenium	3	U
Silver	1.5	U
Thallium	3	U
Vanadium	11	
Zinc	254	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	2540	UJ
1,2,4-trichlorobenzene	2540	UJ
1,2-dichlorobenzene	2540	UJ
1,3,5-trinitrobenzene	12700	UJ
1,3-dichlorobenzene	2540	UJ
1,3-dinitrobenzene	2540	UJ
1,4-dichlorobenzene	2540	UJ
1,4-dioxane	2540	UJ
1,4-naphthoquinone	2540	UJ
1-naphthylamine	2540	UJ
2,3,4,6-tetrachlorophenol	2540	UJ
2,4,5-trichlorophenol	2540	UJ
2,4,6-trichlorophenol	2540	UJ
2,4-dichlorophenol	2540	UJ
2,4-dimethylphenol	2540	UJ
2,4-dinitrophenol	5080	UJ
2,4-dinitrotoluene	2540	UJ
2,6-dichlorophenol	2540	UJ
2,6-dinitrotoluene	2540	UJ
2-acetylaminofluorene	2540	UJ
2-chloronaphthalene	2540	UJ
2-chlorophenol	2540	UJ
2-methyl-4,6-dinitrophenol	2540	UJ
2-methylnaphthalene	2540	UJ
2-methylphenol	2540	UJ
2-naphthylamine	2540	UJ
2-nitroaniline	2540	UJ
2-nitrophenol	2540	UJ
2-picoline	2540	UJ
3,3'-dichlorobenzidine	12700	UJ
3,3'-dimethylbenzidine	12700	UJ
3-methylcholanthrene	2540	UJ
3-nitroaniline	2540	UJ
4-aminobiphenyl	2540	UJ
4-bromophenyl phenyl ether	2540	UJ
4-chloro-3-methylphenol	2540	UJ
4-chloroaniline	2540	UJ
4-chlorophenyl phenyl ether	2540	UJ

Keywest MOD01 Supplemental RFI/RI Sites
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PARAMETER	RESULT	QUAL
4-methylphenol	2540	UJ
4-nitroaniline	2540	UJ
4-nitrophenol	5080	UJ
4-nitroquinoline-1-oxide	2540	UJ
5-nitro-o-toluidine	2540	UJ
7,12-dimethylbenz(a)anthracene	2540	UJ
a,a-dimethylphenethylamine	2540	UJ
Acenaphthene	2540	UJ
Acenaphthylene	2540	UJ
Acetophenone	2540	UJ
Aniline	2540	UJ
Anthracene	2540	UJ
Aramite	2540	UJ
Benzo(a)anthracene	2540	UJ
Benzo(a)pyrene	2540	UJ
Benzo(b)fluoranthene	2540	UJ
Benzo(g,h,i)perylene	2540	UJ
Benzo(k)fluoranthene	2540	UJ
Benzyl alcohol	2540	UJ
Bis(2-chloroethoxy)methane	2540	UJ
Bis(2-chloroethyl)ether	2540	UJ
Bis(2-ethylhexyl)phthalate	2540	UJ
Butyl benzyl phthalate	2540	UJ
Chrysene	2540	UJ
Di-n-butyl phthalate	2540	UJ
Di-n-octyl phthalate	2540	UJ
Diallate	2540	UJ
Dibenzo(a,h)anthracene	2540	UJ
Dibenzofuran	2540	UJ
Diethyl phthalate	2540	UJ
Dimethyl phthalate	2540	UJ
Diphenylamine	2540	UJ
Ethyl methacrylate	2540	UJ
Ethyl methanesulfonate	2540	UJ
Fluoranthene	2540	UJ
Fluorene	2540	UJ
Hexachlorobenzene	2540	UJ
Hexachlorobutadiene	2540	UJ
Hexachlorocyclopentadiene	2540	UJ
Hexachloroethane	2540	UJ
Hexachloropropene	2540	UJ
Indeno(1,2,3-cd)pyrene	2540	UJ
Isophorone	2540	UJ
Isosafrole	2540	UJ
Methapyrilene	12700	UJ
Methyl methanesulfonate	2540	UJ
N-nitroso-di-n-butylamine	2540	UJ
N-nitroso-di-n-propylamine	2540	UJ
N-nitrosodiethylamine	2540	UJ
N-nitrosodimethylamine	2540	UJ

PARAMETER	RESULT	QUAL
N-nitrosodiphenylamine	2540	UJ
N-nitrosomethylethylamine	2540	UJ
N-nitrosomorpholine	2540	UJ
N-nitrosopiperidine	2540	UJ
N-nitrosopyrrolidine	2540	UJ
Naphthalene	2540	UJ
Nitrobenzene	2540	UJ
o,o,o-triethylphosphorothioate	2540	UJ
o-toluidine	2540	UJ
p-dimethylaminoazobenzene	2540	UJ
p-phenylenediamine	5080	UJ
Pentachlorobenzene	2540	UJ
Pentachloroethane	2540	UJ
Pentachloronitrobenzene	2540	UJ
Pentachlorophenol	2540	UJ
Phenacetin	2540	UJ
Phenanthrene	2540	UJ
Phenol	2540	UJ
Pronamide	2540	UJ
Pyrene	2540	UJ
Pyridine	2540	UJ
Safrole	2540	UJ
VOLATILE ORGANIC COMPOUNDS		
Methyl methacrylate	2540	UJ
PESTICIDES/PCBs		
2,4,5-T	15.3	U
2,4,5-TP (silvex)	15.3	U
2,4-D	15.3	U
4,4'-DDE	14.8	J
Chlorobenzilate	12700	UJ
Dimethoate	12700	UJ
Dinoseb	2540	UJ
Disulfoton	2540	UJ
Endrin	6.6	J
Famphur	2540	UJ
Isodrin	2540	UJ
Kepone	2540	UJ
Sulfotep	2540	UJ
Thionazin	2540	UJ
S7SS-8 S7SS-8 B&RE 0 in		
INORGANICS (mg/kg)		
Aluminum	1630	
Antimony	3.3	U
Arsenic	3.3	U
Barium	14.9	
Beryllium	0.17	U
Cadmium	0.77	
Chromium	17.3	
Cobalt	1.7	U
Copper	50	

PARAMETER	RESULT	QUAL
Iron	3800	
Lead	119	
Manganese	29.5	
Mercury	0.1	U
Nickel	6.3	
Selenium	3.3	U
Silver	1.7	U
Thallium	3.3	U
Vanadium	16.6	
Zinc	295	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	2710	UJ
1,2,4-trichlorobenzene	2710	UJ
1,2-dichlorobenzene	2710	UJ
1,3,5-trinitrobenzene	13600	UJ
1,3-dichlorobenzene	2710	UJ
1,3-dinitrobenzene	2710	UJ
1,4-dichlorobenzene	2710	UJ
1,4-dioxane	2710	UJ
1,4-naphthoquinone	2710	UJ
1-naphthylamine	2710	UJ
2,3,4,6-tetrachlorophenol	2710	UJ
2,4,5-trichlorophenol	2710	UJ
2,4,6-trichlorophenol	2710	UJ
2,4-dichlorophenol	2710	UJ
2,4-dimethylphenol	2710	UJ
2,4-dinitrophenol	5420	UJ
2,4-dinitrotoluene	2710	UJ
2,6-dichlorophenol	2710	UJ
2,6-dinitrotoluene	2710	UJ
2-acetylaminofluorene	2710	UJ
2-chloronaphthalene	2710	UJ
2-chlorophenol	2710	UJ
2-methyl-4,6-dinitrophenol	2710	UJ
2-methylnaphthalene	2710	UJ
2-methylphenol	2710	UJ
2-naphthylamine	2710	UJ
2-nitroaniline	2710	UJ
2-nitrophenol	2710	UJ
2-picoline	2710	UJ
3,3'-dichlorobenzidine	13600	UJ
3,3'-dimethylbenzidine	13600	UJ
3-methylcholanthrene	2710	UJ
3-nitroaniline	2710	UJ
4-aminobiphenyl	2710	UJ
4-bromophenyl phenyl ether	2710	UJ
4-chloro-3-methylphenol	2710	UJ
4-chloroaniline	2710	UJ
4-chlorophenyl phenyl ether	2710	UJ
4-methylphenol	2710	UJ

PARAMETER	RESULT	QUAL
4-nitroaniline	2710	UJ
4-nitrophenol	5420	UJ
4-nitroquinoline-1-oxide	2710	UJ
5-nitro-o-toluidine	2710	UJ
7,12-dimethylbenz(a)anthracene	2710	UJ
a,a-dimethylphenethylamine	2710	UJ
Acenaphthene	2710	UJ
Acenaphthylene	2710	UJ
Acetophenone	2710	UJ
Aniline	2710	UJ
Anthracene	2710	UJ
Aramite	2710	UJ
Benzo(a)anthracene	2710	UJ
Benzo(a)pyrene	2710	UJ
Benzo(b)fluoranthene	2710	UJ
Benzo(g,h,i)perylene	2710	UJ
Benzo(k)fluoranthene	2710	UJ
Benzyl alcohol	2710	UJ
Bis(2-chloroethoxy)methane	2710	UJ
Bis(2-chloroethyl)ether	2710	UJ
Bis(2-ethylhexyl)phthalate	2710	UJ
Butyl benzyl phthalate	2710	UJ
Chrysene	2710	UJ
Di-n-butyl phthalate	2710	UJ
Di-n-octyl phthalate	2710	UJ
Diallate	2710	UJ
Dibenzo(a,h)anthracene	2710	UJ
Dibenzofuran	2710	UJ
Diethyl phthalate	2710	UJ
Dimethyl phthalate	2710	UJ
Diphenylamine	2710	UJ
Ethyl methacrylate	2710	UJ
Ethyl methanesulfonate	2710	UJ
Fluoranthene	2710	UJ
Fluorene	2710	UJ
Hexachlorobenzene	2710	UJ
Hexachlorobutadiene	2710	UJ
Hexachlorocyclopentadiene	2710	UJ
Hexachloroethane	2710	UJ
Hexachloropropene	2710	UJ
Indeno(1,2,3-cd)pyrene	2710	UJ
Isophorone	2710	UJ
Isosafrole	2710	UJ
Methapyrilene	13600	UJ
Methyl methanesulfonate	2710	UJ
N-nitroso-di-n-butylamine	2710	UJ
N-nitroso-di-n-propylamine	2710	UJ
N-nitrosodiethylamine	2710	UJ
N-nitrosodimethylamine	2710	UJ
N-nitrosodiphenylamine	2710	UJ

Keywest MOD01 Supplemental RFI/RI Sites
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PARAMETER	RESULT	QUAL	PARAMETER	RESULT	QUAL	PARAMETER	RESULT	QUAL	PARAMETER	RESULT	QUAL
N-nitrosomethylethylamine	2710	UJ									
N-nitrosomorpholine	2710	UJ									
N-nitrosopiperidine	2710	UJ									
N-nitrosopyrrolidine	2710	UJ									
Naphthalene	2710	UJ									
Nitrobenzene	2710	UJ									
o,o,o-triethylphosphorothioate	2710	UJ									
o-toluidine	2710	UJ									
p-dimethylaminoazobenzene	2710	UJ									
p-phenylenediamine	5420	UJ									
Pentachlorobenzene	2710	UJ									
Pentachloroethane	2710	UJ									
Pentachloronitrobenzene	2710	UJ									
Pentachlorophenol	2710	UJ									
Phenacetin	2710	UJ									
Phenanthrene	2710	UJ									
Phenol	2710	UJ									
Pronamide	2710	UJ									
Pyrene	2710	UJ									
Pyridine	2710	UJ									
Safrole	2710	UJ									
VOLATILE ORGANIC COMPOUNDS											
Methyl methacrylate	2710	UJ									
PESTICIDES/PCBs											
2,4,5-T	16.6	U									
2,4,5-TP (silvex)	16.6	U									
2,4-D	16.6	U									
4,4'-DDE	26.9	J									
Chlorobenzilate	13600	UJ									
delta-BHC	13	J									
Dimethoate	13600	UJ									
Dinoseb	2710	UJ									
Disulfoton	2710	UJ									
Endrin	8.1	J									
Famphur	2710	UJ									
gamma-BHC (lindane)	11.6	J									
Isodrin	2710	UJ									
Kepone	2710	UJ									
Sulfotep	2710	UJ									
Thionazin	2710	UJ									

APPENDIX H-4

Keywest MOD01 Sup[illegible]nental RFI/RI Sites
Surface-W[illegible]r Data Set

PARAMETER	RESULT	QUAL
AOC B		
ABSS-1(IT) AS1207 IT(1994)		
INORGANICS		
Antimony	268	
Arsenic	70.3	
Barium	116	B
Beryllium	1.6	B
Cadmium	5	U
Chromium	115	
Cobalt	20	U
Copper	72.5	
Lead	71	
Mercury	0.24	
Nickel	49.6	
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	98.7	B
Vanadium	66.1	
Zinc	1290	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.13	U*
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	7.3	U*
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.1	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
Aroclor-1016	2	*
Aroclor-1232	2	*
Aroclor-1242	2	*
Aroclor-1248	2	*
Aroclor-1254	1	U
Aroclor-1260	1	U
ABSS-2(IT) AS1208 IT(1994)		
INORGANICS		
Antimony	217	
Arsenic	20	U
Barium	24.8	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	21.6	B
Lead	40	
Mercury	0.24	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	232	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.15	U*
Benzo(k)fluoranthene	17	U*
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.1	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
Aroclor-1016	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
ABSS-3(IT) AS1175 IT(1994)		
INORGANICS		
Antimony	181	
Arsenic	4	U
Barium	6.7	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	20	U
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	35.4	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.16	U*
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U

Keywest MOD01 Supplemental RFI/RI Sites
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PARAMETER	RESULT	QUAL
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.1	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		

PARAMETER	RESULT	QUAL
Aroclor-1016	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
ABSS-4(IT) AS1172 IT(1994)		
INORGANICS		
Antimony	202	
Arsenic	2	U
Barium	7	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	20	U
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	6.2	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.1	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U

PARAMETER	RESULT	QUAL
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
Aroclor-1016	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
ABSW-1 ABSW-1 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	4	UJ
Arsenic	4	UJ
Barium	46.1	J
Beryllium	0.2	U
Cadmium	0.4	UJ
Chromium	2.9	U

PARAMETER	RESULT	QUAL
Cobalt	2	U
Copper	9.5	J
Iron	785	
Lead	6.4	U
Manganese	31.6	J
Mercury	0.1	U
Nickel	5.5	
Selenium	4	U
Silver	2	U
Thallium	4	UJ
Vanadium	2	U
Zinc	2	UJ
PESTICIDES/PCBs		
2,4,5-T	0.096	U
2,4,5-TP (silvex)	0.096	U
2,4-D	0.096	U
4,4'-DDD	0.04	UJ
4,4'-DDE	0.04	U
4,4'-DDT	0.04	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U
Chlordane	0.25	U
delta-BHC	0.02	U
Dieldrin	0.04	U
Endosulfan I	0.02	U
Endosulfan II	0.04	U
Endosulfan sulfate	0.04	U
Endrin	0.04	U
Endrin aldehyde	0.04	U
gamma-BHC (lindane)	0.02	U
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.05	U
Parathion	0.05	U
Phorate	0.05	U
Toxaphene	1	U
ABSW-10 ABSW-10 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	6.3	U
Arsenic	4	U

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PARAMETER	RESULT	QUAL
Barium	11.7	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	9	U
Cyanide	1.4	U
Iron	4	U
Lead	4.3	U
Manganese	2	U
Mercury	0.26	
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.098	U
2,4,5-TP (silvex)	0.098	U
2,4-D	0.098	U
4,4'-DDD	0.08	U
4,4'-DDE	0.08	U
4,4'-DDT	0.08	U
Aldrin	0.04	U
alpha-BHC	0.04	U
Aroclor-1016	0.25	U
Aroclor-1221	0.25	U
Aroclor-1232	0.25	U
Aroclor-1242	0.25	U
Aroclor-1248	0.25	U
Aroclor-1254	0.25	U
Aroclor-1260	0.25	U
beta-BHC	0.04	U
Chlordane	0.5	U
delta-BHC	0.04	U
Dieldrin	0.08	U
Endosulfan I	0.04	U
Endosulfan II	0.08	U
Endosulfan sulfate	0.08	U
Endrin	0.08	U
Endrin aldehyde	0.08	U
gamma-BHC (lindane)	0.04	U
Heptachlor	0.04	U
Heptachlor epoxide	0.04	U
Methoxychlor	0.4	U
Methyl parathion	0.1	U
Parathion	0.1	U
Phorate	0.1	U
Toxaphene	2	U

PARAMETER	RESULT	QUAL
ABSW-2 ABSW-2 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	4	UJ
Arsenic	4	U
Barium	31.5	J
Beryllium	0.2	U
Cadmium	0.4	UJ
Chromium	2	U
Cobalt	2	U
Copper	9.4	J
Iron	328	
Lead	6	U
Manganese	34.2	J
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	UJ
Vanadium	2	U
Zinc	2	UJ
PESTICIDES/PCBs		
2,4,5-T	0.099	U
2,4,5-TP (silvex)	0.099	U
2,4-D	0.099	U
4,4'-DDD	0.04	UJ
4,4'-DDE	0.04	U
4,4'-DDT	0.04	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U
Chlordane	0.25	U
delta-BHC	0.02	U
Dieldrin	0.04	U
Endosulfan I	0.02	U
Endosulfan II	0.04	U
Endosulfan sulfate	0.04	U
Endrin	0.04	U
Endrin aldehyde	0.04	U
gamma-BHC (lindane)	0.02	U
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U

PARAMETER	RESULT	QUAL
Methyl parathion	0.05	U
Parathion	0.05	U
Phorate	0.05	U
Toxaphene	1	U
ABSW-3 ABSW-3 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	4	UJ
Arsenic	5.6	U
Barium	41	J
Beryllium	0.2	U
Cadmium	0.4	UJ
Chromium	2	U
Cobalt	2	U
Copper	10.3	J
Iron	381	
Lead	6	U
Manganese	48.4	J
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	UJ
Vanadium	2	U
Zinc	2	UJ
PESTICIDES/PCBs		
2,4,5-T	0.096	U
2,4,5-TP (silvex)	0.11	
2,4-D	0.096	U
4,4'-DDD	0.04	U
4,4'-DDE	0.04	U
4,4'-DDT	0.04	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U
Chlordane	0.25	U
delta-BHC	0.02	U
Dieldrin	0.04	U
Endosulfan I	0.02	U
Endosulfan II	0.04	U
Endosulfan sulfate	0.04	U
Endrin	0.04	U
Endrin aldehyde	0.04	U

PARAMETER	RESULT	QUAL
gamma-BHC (lindane)	0.02	U
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.05	U
Parathion	0.05	U
Phorate	0.05	U
Toxaphene	1	U
ABSW-4 ABSW-4 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	4	UJ
Arsenic	4	U
Barium	27.3	J
Beryllium	0.2	U
Cadmium	0.4	UJ
Chromium	2.2	U
Cobalt	2	U
Copper	7.3	J
Iron	1970	
Lead	6.7	U
Manganese	40.3	J
Mercury	0.16	
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	UJ
Vanadium	2	U
Zinc	2	UJ
PESTICIDES/PCBs		
2,4,5-T	0.11	U
2,4,5-TP (silvex)	0.11	U
2,4-D	0.11	U
4,4'-DDD	0.041	UJ
4,4'-DDE	0.041	U
4,4'-DDT	0.041	U
Aldrin	0.021	U
alpha-BHC	0.021	U
Aroclor-1016	0.13	U
Aroclor-1221	0.13	U
Aroclor-1232	0.13	U
Aroclor-1242	0.13	U
Aroclor-1248	0.13	U
Aroclor-1254	0.13	U
Aroclor-1260	0.13	U
beta-BHC	0.021	U
Chlordane	0.26	U
delta-BHC	0.021	U
Dieldrin	0.041	U
Endosulfan I	0.021	U

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PARAMETER	RESULT	QUAL
Endosulfan II	0.041	U
Endosulfan sulfate	0.041	U
Endrin	0.041	U
Endrin aldehyde	0.041	U
gamma-BHC (lindane)	0.021	U
Heptachlor	0.021	U
Heptachlor epoxide	0.021	U
Methoxychlor	0.21	U
Methyl parathion	0.052	U
Parathion	0.052	U
Phorate	0.052	U
Toxaphene	1	U
ABSW-5 ABSW-5 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	4	UJ
Arsenic	4	U
Barium	45.6	J
Beryllium	0.2	U
Cadmium	0.4	UJ
Chromium	3.1	U
Cobalt	2	
Copper	11.8	J
Iron	900	
Lead	7.2	U
Manganese	42.8	J
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	UJ
Vanadium	2	U
Zinc	2	UJ
PESTICIDES/PCBs		
2,4,5-T	0.097	U
2,4,5-TP (silvex)	0.097	U
2,4-D	0.097	U
4,4'-DDD	0.04	U
4,4'-DDE	0.04	U
4,4'-DDT	0.04	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U

PARAMETER	RESULT	QUAL
Chlordane	0.25	U
delta-BHC	0.02	U
Dieldrin	0.04	U
Endosulfan I	0.02	U
Endosulfan II	0.04	U
Endosulfan sulfate	0.04	U
Endrin	0.04	U
Endrin aldehyde	0.04	U
gamma-BHC (lindane)	0.02	U
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.05	U
Parathion	0.05	U
Phorate	0.05	U
Toxaphene	1	U
ABSW-6 ABSW-6 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	4	U
Arsenic	8.6	U
Barium	10.9	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U
Iron	4	U
Lead	3	U
Manganese	2	U
Mercury	0.21	
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4.1	
Vanadium	2	U
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.097	U
2,4,5-TP (silvex)	0.097	U
2,4-D	0.097	U
4,4'-DDD	0.08	U
4,4'-DDE	0.08	U
4,4'-DDT	0.08	U
Aldrin	0.04	U
alpha-BHC	0.04	U
Aroclor-1016	0.25	U
Aroclor-1221	0.25	U
Aroclor-1232	0.25	U

PARAMETER	RESULT	QUAL
Aroclor-1242	0.25	U
Aroclor-1248	0.25	U
Aroclor-1254	0.25	U
Aroclor-1260	0.25	U
beta-BHC	0.04	U
Chlordane	0.5	U
delta-BHC	0.04	U
Dieldrin	0.08	U
Endosulfan I	0.04	U
Endosulfan II	0.08	U
Endosulfan sulfate	0.08	U
Endrin	0.08	U
Endrin aldehyde	0.08	U
gamma-BHC (lindane)	0.04	U
Heptachlor	0.04	U
Heptachlor epoxide	0.04	U
Methoxychlor	0.4	U
Methyl parathion	0.1	U
Parathion	0.1	U
Phorate	0.1	U
Toxaphene	2	U
ABSW-7 ABSW-7 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	4	UJ
Arsenic	4	U
Barium	34.4	J
Beryllium	0.2	U
Cadmium	0.4	UJ
Chromium	2	U
Cobalt	2	U
Copper	4	UJ
Iron	227	
Lead	4.8	U
Manganese	38.3	J
Mercury	1.5	
Nickel	41.2	
Selenium	4	U
Silver	2	U
Thallium	4	UJ
Vanadium	2	U
Zinc	2	UJ
PESTICIDES/PCBs		
2,4,5-T	0.1	U
2,4,5-TP (silvex)	0.1	U
2,4-D	0.1	U
4,4'-DDD	0.041	UJ
4,4'-DDE	0.041	U
4,4'-DDT	0.041	U
Aldrin	0.02	U

PARAMETER	RESULT	QUAL
alpha-BHC	0.02	U
Aroclor-1016	0.13	U
Aroclor-1221	0.13	U
Aroclor-1232	0.13	U
Aroclor-1242	0.13	U
Aroclor-1248	0.13	U
Aroclor-1254	0.13	U
Aroclor-1260	0.13	U
beta-BHC	0.02	U
Chlordane	0.25	U
delta-BHC	0.02	U
Dieldrin	0.041	U
Endosulfan I	0.02	U
Endosulfan II	0.041	U
Endosulfan sulfate	0.041	U
Endrin	0.041	U
Endrin aldehyde	0.041	U
gamma-BHC (lindane)	0.02	U
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.051	U
Parathion	0.051	U
Phorate	0.051	U
Toxaphene	1	U
ABSW-8 ABSW-8 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	4	UJ
Arsenic	5.6	U
Barium	34.4	J
Beryllium	0.2	U
Cadmium	0.4	UJ
Chromium	2.3	U
Cobalt	2	U
Copper	11.9	J
Iron	286	
Lead	6.2	U
Manganese	5.3	J
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4.7	J
Vanadium	2	U
Zinc	2	UJ
PESTICIDES/PCBs		
2,4,5-T	0.1	U
2,4,5-TP (silvex)	0.1	U
2,4-D	0.1	U

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PARAMETER	RESULT	QUAL
4,4'-DDD	0.04	U
4,4'-DDE	0.04	U
4,4'-DDT	0.04	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U
Chlordane	0.25	U
delta-BHC	0.02	U
Dieldrin	0.04	U
Endosulfan I	0.02	U
Endosulfan II	0.04	U
Endosulfan sulfate	0.04	U
Endrin	0.04	U
Endrin aldehyde	0.04	U
gamma-BHC (lindane)	0.02	U
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.05	U
Parathion	0.05	U
Phorate	0.05	U
Toxaphene	1	U
ABSW-9 ABSW-9 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	4	UJ
Arsenic	4	U
Barium	30.7	J
Beryllium	0.2	U
Cadmium	0.4	UJ
Chromium	2.9	U
Cobalt	2	U
Copper	8.5	J
Iron	279	
Lead	5.8	U
Manganese	16.5	J
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	UJ
Vanadium	2	U
Zinc	2	UJ

PARAMETER	RESULT	QUAL
PESTICIDES/PCBs		
2,4,5-T	0.11	U
2,4,5-TP (silvex)	0.11	U
2,4-D	0.11	U
4,4'-DDD	0.041	UJ
4,4'-DDE	0.041	U
4,4'-DDT	0.041	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.13	U
Aroclor-1221	0.13	U
Aroclor-1232	0.13	U
Aroclor-1242	0.13	U
Aroclor-1248	0.13	U
Aroclor-1254	0.13	U
Aroclor-1260	0.13	U
beta-BHC	0.02	U
Chlordane	0.25	U
delta-BHC	0.02	U
Dieldrin	0.041	U
Endosulfan I	0.02	U
Endosulfan II	0.041	U
Endosulfan sulfate	0.041	U
Endrin	0.041	U
Endrin aldehyde	0.041	U
gamma-BHC (lindane)	0.02	U
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.051	U
Parathion	0.051	U
Phorate	0.051	U
Toxaphene	1	U
IR 1		
I1SS-1(IT) AS1292 IT(1994)		
INORGANICS		
Antimony	257	
Arsenic	4	U
Barium	5.9	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	6	U
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	10	U

PARAMETER	RESULT	QUAL
Tin	30	U
Vanadium	10	U
Zinc	7.6	B
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
Aroclor-1016	0.6	U
Aroclor-1221	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I1SS-2(IT) AS1291 IT(1994)		
INORGANICS		
Antimony	270	
Arsenic	10	U
Barium	6	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	4	U
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	10	U
Tin	118	B
Vanadium	10	U
Zinc	6	B
PESTICIDES/PCBs		

PARAMETER	RESULT	QUAL
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
Aroclor-1016	0.6	U
Aroclor-1221	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I1SS-3(IT) AS1290 IT(1994)		
INORGANICS		
Antimony	251	
Arsenic	10	U
Barium	5.6	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	4	U
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	10	U
Tin	30	U
Vanadium	10	U
Zinc	5	B
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U

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PARAMETER	RESULT	QUAL
alpha-BHC	0.05	U
Aroclor-1016	0.6	U
Aroclor-1221	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I1SS-4(IT) AS1289 IT(1994)		
INORGANICS		
Aluminum	40	U
Antimony	241	
Arsenic	10	U
Barium	5.4	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Cyanide	100	U
Iron	37.8	B
Lead	6	U
Manganese	2	U
Mercury	0.2	U
Nickel	20	U
Selenium	10	U
Silver	5	U
Thallium	10	U
Tin	30	U
Vanadium	10	U
Zinc	5	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U

PARAMETER	RESULT	QUAL
2,4,5-trichlorophenol	50	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	50	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	20	U
3-nitroaniline	50	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	50	U
4-nitrophenol	50	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	50	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U

PARAMETER	RESULT	QUAL
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	50	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	8	J
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	1	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U

PARAMETER	RESULT	QUAL
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Methoxychlor	0.5	U
Toxaphene	1	U
I1SS-5(IT) AS1288 IT(1994)		
INORGANICS		
Antimony	236	
Arsenic	2	U
Barium	5.8	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	4	U
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	10	U
Tin	134	B
Vanadium	10	U
Zinc	6.8	B
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
Aroclor-1016	0.6	U

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PARAMETER	RESULT	QUAL
Aroclor-1221	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I1SS-6(IT) AS1282 IT(1994)		
INORGANICS		
Aluminum	47.1	B
Antimony	261	
Arsenic	2	U
Barium	5.8	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Cyanide	100	U
Iron	27.5	B
Lead	6	U
Manganese	2	U
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	10	U
Tin	30	U
Vanadium	10	U
Zinc	9.4	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	11	U
1,2-dichlorobenzene	11	U
1,3-dichlorobenzene	11	U
1,4-dichlorobenzene	11	U
2,4,5-trichlorophenol	53	U
2,4,6-trichlorophenol	11	U

PARAMETER	RESULT	QUAL
2,4-dichlorophenol	11	U
2,4-dimethylphenol	11	U
2,4-dinitrophenol	53	U
2,4-dinitrotoluene	11	U
2,6-dinitrotoluene	11	U
2-chloronaphthalene	11	U
2-chlorophenol	11	U
2-methyl-4,6-dinitrophenol	53	U
2-methylnaphthalene	11	U
2-methylphenol	11	U
2-nitroaniline	53	U
2-nitrophenol	11	U
3,3'-dichlorobenzidine	21	U
3-nitroaniline	53	U
4-bromophenyl phenyl ether	11	U
4-chloro-3-methylphenol	11	U
4-chloroaniline	11	U
4-chlorophenyl phenyl ether	11	U
4-methylphenol	11	U
4-nitroaniline	53	U
4-nitrophenol	53	U
Acenaphthene	11	U
Acenaphthylene	11	U
Anthracene	11	U
Benzo(a)anthracene	11	U
Benzo(a)pyrene	11	U
Benzo(b)fluoranthene	11	U
Benzo(g,h,i)perylene	11	U
Benzo(k)fluoranthene	11	U
Benzoic acid	53	U
Benzyl alcohol	11	U
Bis(2-chloroethoxy)methane	11	U
Bis(2-chloroethyl)ether	11	U
Bis(2-ethylhexyl)phthalate	11	U
Butyl benzyl phthalate	11	U
Chrysene	11	U
Di-n-butyl phthalate	11	U
Di-n-octyl phthalate	11	U
Dibenzo(a,h)anthracene	11	U
Dibenzofuran	11	U
Diethyl phthalate	11	U
Dimethyl phthalate	11	U
Fluoranthene	11	U
Fluorene	11	U
Hexachlorobenzene	11	U
Hexachlorobutadiene	11	U
Hexachlorocyclopentadiene	11	U
Hexachloroethane	11	U
Indeno(1,2,3-cd)pyrene	11	U
Isophorone	11	U

PARAMETER	RESULT	QUAL
N-nitroso-di-n-propylamine	11	U
N-nitrosodiphenylamine	11	U
Naphthalene	11	U
Nitrobenzene	11	U
Pentachlorophenol	53	U
Phenanthrene	11	U
Phenol	11	U
Pyrene	11	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	11	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	5	U
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U

PARAMETER	RESULT	QUAL
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Methoxychlor	0.5	U
Toxaphene	1	U
IR 7		
I7S-2 S-2 IT(1991)		
INORGANICS		
Aluminum	447	
Antimony	30	U
Arsenic	30	U
Barium	42.9	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	42.5	
Cyanide	10	U
Iron	556	
Lead	72.2	
Manganese	2	U
Mercury	0.63	
Nickel	20	U
Selenium	10	UW
Silver	5	U
Thallium	30	U
Vanadium	18.5	B
Zinc	5	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	20	U
1,2-dichlorobenzene	20	U
1,3-dichlorobenzene	20	U
1,4-dichlorobenzene	20	U

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PARAMETER	RESULT	QUAL
2,4,5-trichlorophenol	100	U
2,4,6-trichlorophenol	20	U
2,4-dichlorophenol	20	U
2,4-dimethylphenol	20	U
2,4-dinitrophenol	100	U
2,4-dinitrotoluene	20	U
2,6-dinitrotoluene	20	U
2-chloronaphthalene	20	U
2-chlorophenol	20	U
2-methyl-4,6-dinitrophenol	100	U
2-methylnaphthalene	20	U
2-methylphenol	20	U
2-nitroaniline	100	U
2-nitrophenol	20	U
3,3'-dichlorobenzidine	41	U
3-nitroaniline	100	U
4-bromophenyl phenyl ether	20	U
4-chloro-3-methylphenol	20	U
4-chloroaniline	20	U
4-chlorophenyl phenyl ether	20	U
4-methylphenol	20	U
4-nitroaniline	100	U
4-nitrophenol	100	U
Acenaphthene	20	U
Acenaphthylene	20	U
Anthracene	20	U
Benzo(a)anthracene	20	U
Benzo(a)pyrene	20	U
Benzo(b)fluoranthene	20	U
Benzo(g,h,i)perylene	20	U
Benzo(k)fluoranthene	20	U
Benzoic acid	100	U
Benzyl alcohol	20	U
Bis(2-chloroethoxy)methane	20	U
Bis(2-chloroethyl)ether	20	U
Bis(2-ethylhexyl)phthalate	20	U
Butyl benzyl phthalate	20	U
Chrysene	20	U
Di-n-butyl phthalate	20	U
Di-n-octyl phthalate	20	U
Dibenzo(a,h)anthracene	20	U
Dibenzofuran	20	U
Diethyl phthalate	20	U
Dimethyl phthalate	20	U
Fluoranthene	20	U
Fluorene	20	U
Hexachlorobenzene	20	U
Hexachlorobutadiene	20	U
Hexachlorocyclopentadiene	20	U
Hexachloroethane	20	U

PARAMETER	RESULT	QUAL
Indeno(1,2,3-cd)pyrene	20	U
Isophorone	20	U
N-nitroso-di-n-propylamine	20	U
N-nitrosodiphenylamine	20	U
Naphthalene	20	U
Nitrobenzene	20	U
Pentachlorophenol	100	U
Phenanthrene	20	U
Phenol	20	U
Pyrene	20	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	20	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	5	U
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U

PARAMETER	RESULT	QUAL
Aldrin	0.051	U
alpha-BHC	0.051	U
alpha-chlordane	0.51	U
Aroclor-1016	0.51	U
Aroclor-1221	0.51	U
Aroclor-1232	0.51	U
Aroclor-1242	0.51	U
Aroclor-1248	0.51	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.051	U
delta-BHC	0.051	U
Dieldrin	0.1	U
Endosulfan I	0.051	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.051	U
gamma-chlordane	0.51	U
Heptachlor	0.051	U
Heptachlor epoxide	0.051	U
Methoxychlor	0.51	U
Toxaphene	1	U
I7SS-1(IT)	**AS1031**	**IT(1994)**
INORGANICS		
Antimony	208	
Arsenic	20	U
Barium	4.9	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	20	U
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	5.3	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.08	U

PARAMETER	RESULT	QUAL
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.1	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U

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PARAMETER	RESULT	QUAL
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7SS-2(IT) AS1029 IT(1994)		
INORGANICS		
Antimony	198	
Arsenic	20	U
Barium	5.3	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	20	U
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	8.2	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.1	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U

PARAMETER	RESULT	QUAL
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7SS-3(IT) AS1026 IT(1994)		
INORGANICS		
Antimony	222	
Arsenic	20	U
Barium	5.7	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	20	U
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	34.7	B
Vanadium	10	U
Zinc	7.4	B
SEMIVOLATILE ORGANIC COMPOUNDS		

PARAMETER	RESULT	QUAL
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.1	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U

PARAMETER	RESULT	QUAL
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7SS-4(IT) AS1024 IT(1994)		
INORGANICS		
Antimony	229	
Arsenic	20	U
Barium	6	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	20	U
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	5	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.1	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U

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PARAMETER	RESULT	QUAL
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U*
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7SS-5(IT) AS1022 IT(1994)		
INORGANICS		
Antimony	200	
Arsenic	20	U
Barium	5.2	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	20	U
Mercury	0.2	U
Nickel	20	U
Selenium	20	U

PARAMETER	RESULT	QUAL
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	5	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.1	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U*
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U

PARAMETER	RESULT	QUAL
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7SS-6(IT) AS1044 IT(1994)		
INORGANICS		
Antimony	149	
Arsenic	20	U
Barium	4.1	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	20	U
Mercury	0.25	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	6.7	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U

PARAMETER	RESULT	QUAL
Naphthalene	0.25	
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7SS-7(IT) I7SS-7-AVG IT(1994)		
INORGANICS		
Aluminum	40	U
Antimony	188	
Arsenic	2	U
Barium	4.65	B
Beryllium	1	U
Cadmium	5	U

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PARAMETER	RESULT	QUAL
Chromium	10	U
Cobalt	20	U
Copper	10	U
Cyanide	430	
Iron	8	B
Lead	20	U
Manganese	2	U
Mercury	0.27	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Vanadium	10	U
Zinc	5.9	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	50	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	50	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	20	U
3-nitroaniline	50	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	50	U
4-nitrophenol	50	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U

PARAMETER	RESULT	QUAL
Benzoic acid	50	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	50	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U

PARAMETER	RESULT	QUAL
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	5	U
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Methoxychlor	0.5	U
Toxaphene	1	U
17SS-8(IT) AS1038	IT(1994)	
INORGANICS		
Antimony	164	
Arsenic	20	U
Barium	4.1	B
Beryllium	1	U
Cadmium	5	U

PARAMETER	RESULT	QUAL
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	20	U
Mercury	0.21	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	5	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U

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PARAMETER	RESULT	QUAL
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7SS-9(IT) AS1036 IT(1994)		
INORGANICS		
Antimony	148	
Arsenic	2	U
Barium	3.6	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	20	U
Mercury	0.21	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	6.6	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U

PARAMETER	RESULT	QUAL
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
IR 8		

PARAMETER	RESULT	QUAL
I8SW-1 I8SW-1 IT(1991)		
INORGANICS		
Aluminum	2030	
Antimony	30	U
Arsenic	57.3	
Barium	107	B
Beryllium	1	U
Cadmium	19.8	
Chromium	37.2	
Cobalt	20	U
Copper	172	
Cyanide	10	U
Iron	305000	
Lead	155	
Manganese	294	
Mercury	0.43	
Nickel	20	U
Selenium	10	UW
Silver	10.2	
Thallium	30	U
Vanadium	42.5	B
Zinc	6230	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	20	U
1,2-dichlorobenzene	20	U
1,3-dichlorobenzene	20	U
1,4-dichlorobenzene	20	U
2,4,5-trichlorophenol	100	U
2,4,6-trichlorophenol	20	U
2,4-dichlorophenol	20	U
2,4-dimethylphenol	20	U
2,4-dinitrophenol	100	U
2,4-dinitrotoluene	20	U
2,6-dinitrotoluene	20	U
2-chloronaphthalene	20	U
2-chlorophenol	20	U
2-methyl-4,6-dinitrophenol	100	U
2-methylnaphthalene	20	U
2-methylphenol	20	U
2-nitroaniline	100	U
2-nitrophenol	20	U
3,3'-dichlorobenzidine	41	U
3-nitroaniline	100	U
4-bromophenyl phenyl ether	20	U
4-chloro-3-methylphenol	20	U
4-chloroaniline	20	U
4-chlorophenyl phenyl ether	20	U
4-methylphenol	20	U
4-nitroaniline	100	U
4-nitrophenol	100	U

PARAMETER	RESULT	QUAL
Acenaphthene	20	U
Acenaphthylene	20	U
Anthracene	20	U
Benzo(a)anthracene	20	U
Benzo(a)pyrene	20	U
Benzo(b)fluoranthene	20	U
Benzo(g,h,i)perylene	20	U
Benzo(k)fluoranthene	20	U
Benzoic acid	100	U
Benzyl alcohol	20	U
Bis(2-chloroethoxy)methane	20	U
Bis(2-chloroethyl)ether	20	U
Bis(2-ethylhexyl)phthalate	5	BJ
Butyl benzyl phthalate	20	U
Chrysene	20	U
Di-n-butyl phthalate	20	U
Di-n-octyl phthalate	20	U
Dibenzo(a,h)anthracene	20	U
Dibenzofuran	20	U
Diethyl phthalate	20	U
Dimethyl phthalate	20	U
Fluoranthene	20	U
Fluorene	20	U
Hexachlorobenzene	20	U
Hexachlorobutadiene	20	U
Hexachlorocyclopentadiene	20	U
Hexachloroethane	20	U
Indeno(1,2,3-cd)pyrene	20	U
Isophorone	20	U
N-nitroso-di-n-propylamine	20	U
N-nitrosodiphenylamine	20	U
Naphthalene	20	U
Nitrobenzene	20	U
Pentachlorophenol	100	U
Phenanthrene	20	U
Phenol	20	U
Pyrene	20	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	46	B

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PARAMETER	RESULT	QUAL
Benzene	5	U
Bis(2-chloroisopropyl)ether	20	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	5	U
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.12	U
4,4'-DDE	0.12	U
4,4'-DDT	0.12	U
Aldrin	0.059	U
alpha-BHC	0.059	U
alpha-chlordane	0.59	U
Aroclor-1016	0.59	U
Aroclor-1221	0.59	U
Aroclor-1232	0.59	U
Aroclor-1242	1.1	
Aroclor-1248	0.59	U
Aroclor-1254	1.2	U
Aroclor-1260	1.2	U
beta-BHC	0.059	U
delta-BHC	0.059	U
Dieldrin	0.12	U
Endosulfan I	0.059	U
Endosulfan II	0.12	U
Endosulfan sulfate	0.12	U
Endrin	0.12	U
Endrin ketone	0.12	U
gamma-BHC (lindane)	0.059	U
gamma-chlordane	0.59	U
Heptachlor	0.059	U
Heptachlor epoxide	0.059	U
Methoxychlor	0.59	U

PARAMETER	RESULT	QUAL
Toxaphene	1.2	U
I8SS-1(IT) AS1218 IT(1994)		
INORGANICS		
Antimony	216	
Arsenic	40	U
Barium	5	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	40	U
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	6.3	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.79	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.43	
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U

PARAMETER	RESULT	QUAL
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8SS-2(IT) AS1209 IT(1994)		

PARAMETER	RESULT	QUAL
INORGANICS		
Antimony	197	
Arsenic	2	U
Barium	4.6	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	40	U
Mercury	0.2	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	94.6	B
Vanadium	10	U
Zinc	7	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U

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PARAMETER	RESULT	QUAL
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8SS-3(IT) AS1211 IT(1994)		
INORGANICS		
Antimony	204	

PARAMETER	RESULT	QUAL
Arsenic	2	U
Barium	4.8	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	40	U
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	9	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U

PARAMETER	RESULT	QUAL
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8SS-4(IT) I8SS-4-AVG IT(1994)		
INORGANICS		
Antimony	220	
Arsenic	22	U
Barium	5	B

PARAMETER	RESULT	QUAL
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	40	U
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	47.95	B
Vanadium	10	U
Zinc	29.1	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U

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PARAMETER	RESULT	QUAL
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8SS-5(IT) AS1217 IT(1994)		
INORGANICS		
Antimony	214	
Arsenic	40	U
Barium	5.1	B
Beryllium	1	U
Cadmium	5	U

PARAMETER	RESULT	QUAL
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	40	U
Mercury	0.2	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	8.8	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.11	
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.54	
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U

PARAMETER	RESULT	QUAL
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8SS-6(IT) AS1189 IT(1994)		
INORGANICS		
Antimony	219	
Arsenic	2	U
Barium	5.3	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U

PARAMETER	RESULT	QUAL
Copper	10	U
Lead	10	U
Mercury	0.2	U
Nickel	20	U
Selenium	10	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	5.8	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.11	U
Acenaphthylene	0.11	U
Anthracene	0.084	U
Benzo(a)anthracene	0.084	U
Benzo(a)pyrene	0.084	U
Benzo(b)fluoranthene	0.084	U
Benzo(g,h,i)perylene	0.084	U
Benzo(k)fluoranthene	0.084	U
Chrysene	0.084	U
Dibenzo(a,h)anthracene	0.084	U
Fluoranthene	0.084	U
Fluorene	0.084	U
Indeno(1,2,3-cd)pyrene	0.084	U
Naphthalene	0.11	U
Phenanthrene	0.084	U
Pyrene	0.084	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U

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PARAMETER	RESULT	QUAL
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8SS-7(IT) AS1187 IT(1994)		
INORGANICS		
Antimony	206	
Arsenic	2	U
Barium	5.8	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	12	U

PARAMETER	RESULT	QUAL
Mercury	0.2	U
Nickel	20	U
Selenium	10	U
Silver	5	U
Thallium	6	U
Tin	71.5	B
Vanadium	10	U
Zinc	8.1	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.082	U
Benzo(a)anthracene	0.082	U
Benzo(a)pyrene	0.61	U*
Benzo(b)fluoranthene	0.082	U
Benzo(g,h,i)perylene	0.082	U
Benzo(k)fluoranthene	0.082	U
Chrysene	0.082	U
Dibenzo(a,h)anthracene	0.082	U
Fluoranthene	0.082	U
Fluorene	0.082	U
Indeno(1,2,3-cd)pyrene	0.082	U
Naphthalene	0.1	U
Phenanthrene	0.082	U
Pyrene	0.082	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U

PARAMETER	RESULT	QUAL
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8SS-8(IT) AS1181 IT(1994)		
INORGANICS		
Aluminum	40	U
Antimony	209	
Arsenic	2	U
Barium	5.5	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Cyanide	10	U
Iron	10.5	B

PARAMETER	RESULT	QUAL
Lead	10	U
Manganese	2	U
Mercury	0.2	U
Nickel	20	U
Selenium	10	U
Silver	5	U
Thallium	6	U
Tin	30	U
Vanadium	10	U
Zinc	7.1	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	50	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	50	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	20	U
3-nitroaniline	50	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	50	U
4-nitrophenol	50	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	50	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U

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PARAMETER	RESULT	QUAL
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	50	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U

PARAMETER	RESULT	QUAL
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	5	U
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Methoxychlor	0.5	U
Toxaphene	1	U
8SS-9(IT) AS1179 IT(1994)		
INORGANICS		
Antimony	220	
Arsenic	2	U
Barium	5.5	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	26.4	

PARAMETER	RESULT	QUAL
Mercury	0.2	U
Nickel	20	U
Selenium	10	U
Silver	5	U
Thallium	6	U
Tin	30	U
Vanadium	10	U
Zinc	9.4	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.082	U
Benzo(a)anthracene	0.082	U
Benzo(a)pyrene	1.4	U*
Benzo(b)fluoranthene	0.082	U
Benzo(g,h,i)perylene	0.082	U
Benzo(k)fluoranthene	0.082	U
Chrysene	0.082	U
Dibenzo(a,h)anthracene	0.082	U
Fluoranthene	0.082	U
Fluorene	0.082	U
Indeno(1,2,3-cd)pyrene	0.082	U
Naphthalene	0.1	U
Phenanthrene	0.082	U
Pyrene	0.082	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U

PARAMETER	RESULT	QUAL
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
SWMU 4		
S4SS-1 AS1120 IT(1994)		
INORGANICS		
Antimony	30	U
Arsenic	2	U
Barium	3.8	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Cyanide	100	U
Lead	2	U

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PARAMETER	RESULT	QUAL
Mercury	0.2	U
Nickel	20	U
Selenium	2	U
Silver	5	U
Thallium	2	U
Tin	30	B
Vanadium	10	U
Zinc	9.6	B
MISCELLANEOUS		
Sulfide	3000	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	10	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	1000	U
1,4-naphthoquinone	10	U
1-naphthylamine	130	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	52	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	52	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	52	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	180	U
2-nitroaniline	52	U
2-nitrophenol	10	U
2-picoline	74	U
3,3'-dichlorobenzidine	21	U
3,3'-dimethylbenzidine	84	U
3-methylcholanthrene	32	U
3-methylphenol	10	U
3-nitroaniline	52	U
4-aminobiphenyl	52	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U

PARAMETER	RESULT	QUAL
4-nitroaniline	52	U
4-nitrophenol	52	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	21	U
7,12-dimethylbenz(a)anthracene	21	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	52	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	21	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachlorophene	52	U
Hexachloropropene	21	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	42	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	21	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U

PARAMETER	RESULT	QUAL
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	32	U
p-phenylenediamine	52	U
Pentachlorobenzene	21	U
Pentachloroethane	21	U
Pentachloronitrobenzene	21	U
Pentachlorophenol	52	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	32	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	5	U
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2,3-trichloropropane	5	U
1,2-dibromo-3-chloropropane	5	U
1,2-dibromoethane	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-chloro-1,3-butadiene	5	U
2-hexanone	10	U
3-chloropropene	5	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Acetonitrile	100	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U

PARAMETER	RESULT	QUAL
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,2-dichloroethene	5	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Dibromomethane	5	U
Dichlorodifluoromethane	20	U
Ethyl cyanide	100	U
Ethylbenzene	5	U
Iodomethane	5	U
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	2	JB
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trans-1,4-dichloro-2-butene	20	U
Trichloroethene	5	U
Trichlorofluoromethane	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
2,4,5-T	2	U
2,4,5-TP (silvex)	2	U
2,4-D	2	U
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlorobenzilate	0.5	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Dimethoate	0.5	U
Dinoseb	21	U
Disulfoton	0.5	U

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PARAMETER	RESULT	QUAL
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
Famphur	0.5	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Isodrin	0.05	U
Kepone	0.1	U
Methoxychlor	0.5	U
Methyl parathion	0.5	U
Parathion	0.5	U
Phorate	1	U
Sulfotep	10	U
Thionazin	0.5	U
Toxaphene	1	U
S4SS-2 S4SS-2-AVG IT(1994)		
INORGANICS		
Antimony	90.2	
Arsenic	2	U
Barium	7.3	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	3.35	B
Mercury	0.2	U
Nickel	20	U
Selenium	6	U
Silver	5	U
Thallium	2.75	B
Tin	27.8	B
Vanadium	10	U
Zinc	13.3	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U

PARAMETER	RESULT	QUAL
Chrysene	0.055	U*
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.1	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.225	
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
Aroclor-1016	0.6	U
Aroclor-1232	0.6	U

PARAMETER	RESULT	QUAL
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
S4SS-3 AS1124 IT(1994)		
INORGANICS		
Antimony	87.5	
Arsenic	2	U
Barium	6.6	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	2	U
Mercury	0.2	U
Nickel	20	U
Selenium	2	U
Silver	5	U
Thallium	4	U
Tin	44.5	B
Vanadium	10	U
Zinc	5	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.1	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U

PARAMETER	RESULT	QUAL
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
Aroclor-1016	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
S4SW-2 S4SW-2 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	4	UJ
Arsenic	4	U
Barium	3.6	U
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U

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PARAMETER	RESULT	QUAL
Iron	17.1	
Lead	3	U
Manganese	2	U
Mercury	0.53	
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	50	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	10	UJ
2,4,6-trichlorophenol	10	UJ
2,4-dichlorophenol	10	UJ
2,4-dimethylphenol	10	UJ
2,4-dinitrophenol	20	UJ
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	UJ
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	UJ
2-methyl-4,6-dinitrophenol	10	UJ
2-methylnaphthalene	10	U
2-methylphenol	10	UJ
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	UJ
2-picoline	10	U
3,3'-dichlorobenzidine	50	U
3,3'-dimethylbenzidine	50	U
3-methylcholanthrene	10	U
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	UJ
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	UJ

PARAMETER	RESULT	QUAL
4-nitroaniline	10	U
4-nitrophenol	20	UJ
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dialiate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	50	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U

PARAMETER	RESULT	QUAL
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U
Pentachloronitrobenzene	10	U
Pentachlorophenol	10	UJ
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	2	U
1,1,1-trichloroethane	2	U
1,1,2,2-tetrachloroethane	2	U
1,1,2-trichloroethane	2	U
1,1-dichloroethane	2	U
1,1-dichloroethene	2	U
1,2,3-trichloropropane	2	UJ
1,2-dibromo-3-chloropropane	2	U
1,2-dibromoethane	2	U
1,2-dichloroethane	2	U
1,2-dichloropropane	2	U
2-butanone	5	U
2-chloro-1,3-butadiene	2	U
2-hexanone	5	UJ
3-chloropropene	10	U
4-methyl-2-pentanone	5	U
Acetone	10	U
Acetonitrile	10	U
Acrylonitrile	20	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	10	UJ
Bromodichloromethane	2	U
Bromoform	2	U
Bromomethane	2	U
Carbon disulfide	5	UJ
Carbon tetrachloride	2	U
Chlorobenzene	2	U
Chloroethane	2	U

PARAMETER	RESULT	QUAL
Chloroform	2	U
Chloromethane	2	U
Cis-1,3-dichloropropene	2	U
Dibromochloromethane	2	U
Dibromomethane	2	U
Dichlorodifluoromethane	2	U
Ethyl cyanide	20	UJ
Ethylbenzene	2	U
Iodomethane	5	UJ
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	5	U
Styrene	2	U
Tetrachloroethene	2	U
Toluene	2	U
Trans-1,2-dichloroethene	2	U
Trans-1,3-dichloropropene	2	U
Trans-1,4-dichloro-2-butene	10	U
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl acetate	5	UJ
Vinyl chloride	2	U
Xylenes, total	4	U
PESTICIDES/PCBs		
Chlorobenzilate	50	U
Dimethoate	50	U
Disulfoton	10	U
Famphur	10	U
Isodrin	10	U
Kepone	10	U
Sulfotep	10	U
Thionazin	10	U
S4SW-3	**S4SW-3-AVG**	**B&RE**
INORGANICS		
Aluminum	28	U
Antimony	4	UJ
Arsenic	4.25	U
Barium	3.85	U
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Iron	49.15	
Lead	3.3	U
Manganese	2	U
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U

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PARAMETER	RESULT	QUAL
Thallium	4	U
Vanadium	2	U
Zinc	2	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	50	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	10	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	20	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	10	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	U
2-picoline	10	U
3,3'-dichlorobenzidine	50	U
3,3'-dimethylbenzidine	50	U
3-methylcholanthrene	10	U
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	10	U
4-nitrophenol	20	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U

PARAMETER	RESULT	QUAL
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	50	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	7	J
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U

PARAMETER	RESULT	QUAL
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U
Pentachloronitrobenzene	10	U
Pentachlorophenol	10	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	2	U
1,1,1-trichloroethane	2	U
1,1,2,2-tetrachloroethane	2	U
1,1,2-trichloroethane	2	U
1,1-dichloroethane	2	U
1,1-dichloroethene	2	U
1,2,3-trichloropropane	2	UJ
1,2-dibromo-3-chloropropane	2	U
1,2-dibromoethane	2	U
1,2-dichloroethane	2	UJ
1,2-dichloropropane	2	U
2-butanone	5	U
2-chloro-1,3-butadiene	2	U
2-hexanone	5	U
3-chloropropene	10	U
4-methyl-2-pentanone	5	U
Acetone	7.5	U
Acetonitrile	10	U
Acrolein	20	U
Acrylonitrile	20	UJ
Benzene	2	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	2	U
Bromoform	2.5	U
Bromomethane	2	U
Carbon disulfide	5	UJ
Carbon tetrachloride	2	U
Chlorobenzene	2	U
Chloroethane	2	U
Chloroform	2	U
Chloromethane	2	U
Cis-1,3-dichloropropene	2	U
Dibromochloromethane	2	U
Dibromomethane	1.7	J
Dichlorodifluoromethane	2	UJ

PARAMETER	RESULT	QUAL
Ethyl cyanide	20	U
Ethylbenzene	2	U
Iodomethane	5	U
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	5.9	U
Styrene	2	U
Tetrachloroethene	2	UJ
Toluene	2	U
Trans-1,2-dichloroethene	2	U
Trans-1,3-dichloropropene	2	U
Trans-1,4-dichloro-2-butene	10	U
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl acetate	5	UJ
Vinyl chloride	2	U
Xylenes, total	4	U
PESTICIDES/PCBs		
Chlorobenzilate	50	U
Dimethoate	50	U
Disulfoton	10	U
Famphur	10	U
Isodrin	10	U
Kepone	10	U
Sulfotep	10	U
Thionazin	10	U
S4SW-4 S4SW-4 B&RE		
INORGANICS (µg/L)		
Aluminum	28	U
Antimony	4	UJ
Arsenic	4	U
Barium	2.1	U
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Iron	4	U
Lead	3.1	U
Manganese	3.9	
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
SEMIVOLATILE ORGANIC COMPOUNDS (µg/L)		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U

Keywest MOD01 Supplemental RFI/RI Sites
Surface-Water Data Set

PARAMETER	RESULT	QUAL
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	50	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	10	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	20	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	10	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	U
2-picoline	10	U
3,3'-dichlorobenzidine	50	U
3,3'-dimethylbenzidine	50	U
3-methylcholanthrene	10	U
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	10	U
4-nitrophenol	20	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U

PARAMETER	RESULT	QUAL
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	50	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U
Pentachloronitrobenzene	10	U

PARAMETER	RESULT	QUAL
Pentachlorophenol	10	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS (µg/L)		
1,1,1,2-tetrachloroethane	2	UJ
1,1,1-trichloroethane	2	U
1,1,2,2-tetrachloroethane	2	U
1,1,2-trichloroethane	2	U
1,1-dichloroethane	2	U
1,1-dichloroethene	2	U
1,2,3-trichloropropane	2	U
1,2-dibromo-3-chloropropane	2	U
1,2-dibromoethane	2	U
1,2-dichloroethane	2	U
1,2-dichloropropane	2	U
2-butanone	5	U
2-chloro-1,3-butadiene	2	U
2-hexanone	5	UJ
3-chloropropene	10	U
4-methyl-2-pentanone	5	U
Acetone	10	U
Acetonitrile	10	U
Acrylonitrile	20	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	10	UJ
Bromodichloromethane	2	U
Bromoform	2	U
Bromomethane	2	U
Carbon disulfide	5	UJ
Carbon tetrachloride	2	U
Chlorobenzene	2	U
Chloroethane	2	U
Chloroform	2	U
Chloromethane	2	U
Cis-1,3-dichloropropene	2	U
Dibromochloromethane	2	U
Dibromomethane	2	U
Dichlorodifluoromethane	2	U
Ethyl cyanide	20	UJ
Ethylbenzene	2	U
Iodomethane	5	UJ
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	8.2	UJ
Styrene	2	U

PARAMETER	RESULT	QUAL
Tetrachloroethene	2	U
Toluene	2	U
Trans-1,2-dichloroethene	2	U
Trans-1,3-dichloropropene	2	U
Trans-1,4-dichloro-2-butene	10	U
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl acetate	5	UJ
Vinyl chloride	2	U
Xylenes, total	4	U
PESTICIDES/PCBs (µg/L)		
Chlorobenzilate	50	U
Dimethoate	50	U
Disulfoton	10	U
Famphur	10	U
Isodrin	10	U
Kepone	10	U
Sulfotep	10	U
Thionazin	10	U

SWMU 5

S5SS-2	AS1066	IT(1994)
INORGANICS		
Antimony	30	U
Arsenic	3.5	B
Barium	53.1	B
Beryllium	1	U
Cadmium	9.7	
Chromium	58.2	
Cobalt	20	U
Copper	13.6	B
Cyanide	100	U
Lead	68.9	
Mercury	0.2	U
Nickel	20	U
Selenium	2	U
Silver	5	U
Thallium	2	U
Tin	30	U
Vanadium	10	U
Zinc	147	
MISCELLANEOUS		
Sulfide	1200	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	10	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U

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PARAMETER	RESULT	QUAL
1,4-dioxane	1000	U
1,4-naphthoquinone	10	U
1-naphthylamine	120	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	50	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	170	U
2-nitroaniline	50	U
2-nitrophenol	10	U
2-picoline	70	U
3,3'-dichlorobenzidine	20	U
3,3'-dimethylbenzidine	80	U
3-methylcholanthrene	30	U
3-methylphenol	10	U
3-nitroaniline	50	U
4-aminobiphenyl	50	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	50	U
4-nitrophenol	50	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	20	U
7,12-dimethylbenz(a)anthracene	20	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U

PARAMETER	RESULT	QUAL
Benzoic acid	50	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachlorophene	50	U
Hexachloropropene	20	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	40	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	20	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	70	U
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	30	U
p-phenylenediamine	50	U
Pentachlorobenzene	20	U
Pentachloroethane	20	U
Pentachloronitrobenzene	20	U
Pentachlorophenol	50	U
Phenacetin	10	U

PARAMETER	RESULT	QUAL
Phenanthrene	10	U
Phenol	10	U
Pronamide	30	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	5	U
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2,3-trichloropropane	5	U
1,2-dibromo-3-chloropropane	5	U
1,2-dibromoethane	5	U
1,2-dichloroethane	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-chloro-1,3-butadiene	5	U
2-hexanone	10	U
3-chloropropene	5	U
4-methyl-2-pentanone	10	U
Acetone	12	
Acetonitrile	100	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,2-dichloroethene	5	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Dibromomethane	5	U
Dichlorodifluoromethane	20	U
Ethyl cyanide	100	U
Ethylbenzene	5	U
Iodomethane	5	U
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	1	BJ
Styrene	5	U

PARAMETER	RESULT	QUAL
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,2-dichloroethene	5	U
Trans-1,3-dichloropropene	5	U
Trans-1,4-dichloro-2-butene	20	U
Trichloroethene	5	U
Trichlorofluoromethane	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
2,4,5-T	2	U
2,4,5-TP (silvex)	2	U
2,4-D	2	U
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlorobenzilate	0.5	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Dimethoate	0.5	U
Dinoseb	20	U
Disulfoton	0.5	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
Famphur	0.5	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Isodrin	0.05	U
Kepone	0.1	U
Methoxychlor	0.5	U
Methyl parathion	0.5	U
Parathion	0.5	U
Phorate	1	U

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PARAMETER	RESULT	QUAL
Sulfotep	10	U
Thionazin	0.5	U
Toxaphene	1	U
S5SW-3 S5SW-3	**B&RE**	
INORGANICS		
Aluminum	28	U
Antimony	4	U
Arsenic	4	U
Barium	7.9	U
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Cyanide	2.4	U
Iron	133	U
Lead	5.1	
Manganese	2	U
Mercury	0.14	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	50	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	10	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	20	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	10	U
2-methylnaphthalene	10	U

PARAMETER	RESULT	QUAL
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	U
2-picoline	10	U
3,3'-dichlorobenzidine	50	U
3,3'-dimethylbenzidine	50	U
3-methylcholanthrene	10	U
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	10	U
4-nitrophenol	20	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U

PARAMETER	RESULT	QUAL
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	50	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U
Pentachloronitrobenzene	10	U
Pentachlorophenol	10	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	2	U
1,1,1-trichloroethane	2	U
1,1,2,2-tetrachloroethane	2	U
1,1,2-trichloroethane	2	U
1,1-dichloroethane	2	U
1,1-dichloroethene	2	U
1,2,3-trichloropropane	2	U
1,2-dibromo-3-chloropropane	2	U
1,2-dibromoethane	2	U
1,2-dichloroethane	2	U
1,2-dichloropropane	2	U
2-butanone	5	U
2-hexanone	5	U

PARAMETER	RESULT	QUAL
3-chloropropene	10	U
4-methyl-2-pentanone	5	U
Acetone	37	U
Acetonitrile	10	U
Acrolein	20	U
Acrylonitrile	20	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	2	U
Bromoform	2	U
Bromomethane	2	U
Carbon disulfide	5	U
Carbon tetrachloride	2	U
Chlorobenzene	2	U
Chloroethane	2	U
Chloroform	2	U
Chloromethane	5	U
Cis-1,3-dichloropropene	2	U
Dibromochloromethane	2	U
Dibromomethane	2	U
Dichlorodifluoromethane	2	U
Ethyl cyanide	20	U
Ethylbenzene	2	U
Iodomethane	5	U
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	5	U
Styrene	2	U
Tetrachloroethene	2	U
Toluene	2	U
Trans-1,2-dichloroethene	2	U
Trans-1,3-dichloropropene	2	U
Trans-1,4-dichloro-2-butene	10	U
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl acetate	5	U
Vinyl chloride	2	U
Xylenes, total	4	U
PESTICIDES/PCBs		
Chlorobenzilate	50	U
Dimethoate	50	U
Dinoseb	10	U
Disulfoton	10	U
Famphur	10	U
Isodrin	10	U
Kepone	10	U
Sulfotep	10	U
Thionazin	10	U

Keywest MOD01 Supplemental RFI/RI Sites
Surface-Water Data Set

PARAMETER	RESULT	QUAL
S5SW-4 S5SW-4 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	4.6	U
Arsenic	4	U
Barium	7.7	U
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U
Iron	35.9	U
Lead	3.3	U
Manganese	2	U
Mercury	0.12	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	50	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	10	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	20	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	10	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	U
2-picoline	10	U
3,3'-dichlorobenzidine	50	U
3,3'-dimethylbenzidine	50	U
3-methylcholanthrene	10	U
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	10	U
4-nitrophenol	20	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	50	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U
Pentachloronitrobenzene	10	U
Pentachlorophenol	10	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	2	U
1,1,1-trichloroethane	2	U
1,1,2,2-tetrachloroethane	2	U
1,1,2-trichloroethane	2	U
1,1-dichloroethane	2	U
1,1-dichloroethene	2	U
1,2,3-trichloropropane	2	U
1,2-dibromo-3-chloropropane	2	U
1,2-dibromoethane	2	U
1,2-dichloroethane	2	U
1,2-dichloropropane	2	U
2-butanone	5	U
2-hexanone	5	U
3-chloropropene	10	U
4-methyl-2-pentanone	5	U
Acetone	37	U
Acetonitrile	10	U
Acrolein	20	U
Acrylonitrile	20	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	2	U
Bromoform	2	U
Bromomethane	2	U
Carbon disulfide	5	U
Carbon tetrachloride	2	U
Chlorobenzene	2	U
Chloroethane	2	U
Chloroform	2	U
Chloromethane	2	U
Cis-1,3-dichloropropene	2	U
Dibromochloromethane	2	U
Dibromomethane	2	U
Dichlorodifluoromethane	2	U
Ethyl cyanide	20	U
Ethylbenzene	2	U
Iodomethane	5	U
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	5	U
Styrene	2	U
Tetrachloroethene	2	U
Toluene	2	U
Trans-1,2-dichloroethene	2	U
Trans-1,3-dichloropropene	2	U
Trans-1,4-dichloro-2-butene	10	U
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl acetate	5	U
Vinyl chloride	2	U
Xylenes, total	4	U
PESTICIDES/PCBs		
Chlorobenzilate	50	U
Dimethoate	50	U
Dinoseb	10	U
Disulfoton	10	U
Famphur	10	U
Isodrin	10	U
Kepone	10	U
Sulfotep	10	U
Thionazin	10	U
S5SW-5 S5SW-5-AVG B&RE		
INORGANICS		
Aluminum	28	U
Antimony	4	U
Arsenic	4	U

Keywest MOD01 Supplemental RFI/RI Sites
Surface-Water Data Set

PARAMETER	RESULT	QUAL
Barium	7.6	U
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Cyanide	1.6	U
Iron	10.55	U
Lead	3.7	U
Manganese	2	U
Mercury	0.115	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	50	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	10	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	20	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	10	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	U
2-picoline	10	U
3,3'-dichlorobenzidine	50	U
3,3'-dimethylbenzidine	50	U
3-methylcholanthrene	10	U

PARAMETER	RESULT	QUAL
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	10	U
4-nitrophenol	20	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U

PARAMETER	RESULT	QUAL
Methapyrilene	50	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U
Pentachloronitrobenzene	10	U
Pentachlorophenol	10	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	2	U
1,1,1-trichloroethane	2	U
1,1,2,2-tetrachloroethane	2	U
1,1,2-trichloroethane	2	U
1,1-dichloroethane	2	U
1,1-dichloroethene	2	U
1,2,3-trichloropropane	2	U
1,2-dibromo-3-chloropropane	2	U
1,2-dibromoethane	2	U
1,2-dichloroethane	2	U
1,2-dichloropropane	2	U
2-butanone	5	U
2-hexanone	5	U
3-chloropropene	10	U
4-methyl-2-pentanone	5	U
Acetone	19.5	U
Acetonitrile	10	U
Acrolein	20	U
Acrylonitrile	20	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	10	U

PARAMETER	RESULT	QUAL
Bromodichloromethane	2	U
Bromoform	2	U
Bromomethane	2	U
Carbon disulfide	5	U
Carbon tetrachloride	2	U
Chlorobenzene	2	U
Chloroethane	2	U
Chloroform	2	U
Chloromethane	2	U
Cis-1,3-dichloropropene	2	U
Dibromochloromethane	2	U
Dibromomethane	2	U
Dichlorodifluoromethane	2	U
Ethyl cyanide	20	U
Ethylbenzene	2	U
Iodomethane	5	U
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	4.85	U
Styrene	2	U
Tetrachloroethene	2	U
Toluene	2	U
Trans-1,2-dichloroethene	2	U
Trans-1,3-dichloropropene	2	U
Trans-1,4-dichloro-2-butene	10	U
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl acetate	5	U
Vinyl chloride	2	U
Xylenes, total	4	U
PESTICIDES/PCBs		
Chlorobenzilate	50	U
Dimethoate	50	U
Dinoseb	10	U
Disulfoton	10	U
Famphur	10	U
Isodrin	10	U
Kepone	10	U
Sulfotep	10	U
Thionazin	10	U
S5SW-6 S5SW-6 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	4	UJ
Arsenic	4	U
Barium	7.3	U
Beryllium	0.2	U
Cadmium	0.4	UJ
Chromium	2	U
Cobalt	2	U

Keywest MOD01 Supplemental RFI/RI Sites
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PARAMETER	RESULT	QUAL
Copper	4	U
Cyanide	1.4	U
Iron	4	U
Lead	3	UJ
Manganese	2	UJ
Mercury	0.1	U
Nickel	4	U
Selenium	4	UJ
Silver	2	U
Thallium	4.6	U
Vanadium	2	U
Zinc	2	UJ
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	20	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	10	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	20	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	10	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	U
2-picoline	10	U
3,3'-dichlorobenzidine	50	U
3,3'-dimethylbenzidine	20	U
3-methylcholanthrene	10	U
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U

PARAMETER	RESULT	QUAL
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	10	U
4-nitrophenol	10	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	10	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U

PARAMETER	RESULT	QUAL
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U
Pentachloronitrobenzene	10	U
Pentachlorophenol	10	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	2	U
1,1,1-trichloroethane	2	U
1,1,2,2-tetrachloroethane	2	U
1,1,2-trichloroethane	2	U
1,1-dichloroethane	2	U
1,1-dichloroethene	2	U
1,2,3-trichloropropane	2	U
1,2-dibromo-3-chloropropane	2	U
1,2-dibromoethane	2	U
1,2-dichloroethane	2	U
1,2-dichloropropane	2	U
2-butanone	5	U
2-chloro-1,3-butadiene	2	U
2-hexanone	5	U
3-chloropropene	10	U
4-methyl-2-pentanone	5	U
Acetone	20.2	U
Acetonitrile	10	U
Acrolein	20	U
Acrylonitrile	20	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	2	U
Bromoform	2	U
Bromomethane	2	U
Carbon disulfide	5	U

PARAMETER	RESULT	QUAL
Carbon tetrachloride	2	U
Chlorobenzene	2	U
Chloroethane	2	U
Chloroform	2	U
Chloromethane	2	U
Cis-1,3-dichloropropene	2	U
Dibromochloromethane	2	U
Dibromomethane	2	U
Dichlorodifluoromethane	2	U
Ethyl cyanide	20	U
Ethylbenzene	2	U
Iodomethane	5	U
Isobutanol	20	U
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	5	U
Styrene	2	U
Tetrachloroethene	2	U
Toluene	2	U
Trans-1,2-dichloroethene	2	U
Trans-1,3-dichloropropene	2	U
Trans-1,4-dichloro-2-butene	10	U
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl acetate	5	U
Vinyl chloride	2	U
Xylenes, total	4	U
PESTICIDES/PCBs		
Chlorobenzilate	10	U
Dimethoate	10	U
Dinoseb	10	U
Disulfoton	10	U
Famphur	10	U
Isodrin	10	U
Kepone	10	U
Sulfotep	10	U
Thionazin	10	U

SWMU 7

S7SS-1(IT)	AS1108	IT(1994)
INORGANICS		
Antimony	220	
Arsenic	2.5	B
Barium	38.5	B
Beryllium	1.1	B
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Cyanide	100	U
Lead	20	U

Keywest MOD01 Supplemental RFI/RI Sites
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PARAMETER	RESULT	QUAL
Mercury	0.2	U
Nickel	20	U
Selenium	10	U
Silver	5	U
Thallium	20	U
Tin	30	
Vanadium	10	U
Zinc	31.2	
MISCELLANEOUS		
Sulfide	3000	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	10	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	1000	U
1,4-naphthoquinone	10	U
1-naphthylamine	120	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	50	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	170	U
2-nitroaniline	50	U
2-nitrophenol	10	U
2-picoline	70	U
3,3'-dichlorobenzidine	20	U
3,3'-dimethylbenzidine	80	U
3-methylcholanthrene	30	U
3-methylphenol	10	U
3-nitroaniline	50	U
4-aminobiphenyl	50	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U

PARAMETER	RESULT	QUAL
4-nitroaniline	50	U
4-nitrophenol	50	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	20	U
7,12-dimethylbenz(a)anthracene	20	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	50	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	20	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachlorophene	50	U
Hexachloropropene	20	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	40	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	20	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U

PARAMETER	RESULT	QUAL
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	30	U
p-phenylenediamine	50	U
Pentachlorobenzene	20	U
Pentachloroethane	20	U
Pentachloronitrobenzene	20	U
Pentachlorophenol	50	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	30	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	5	U
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2,3-trichloropropane	5	U
1,2-dibromo-3-chloropropane	5	U
1,2-dibromoethane	5	U
1,2-dichloroethane	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-chloro-1,3-butadiene	5	U
2-hexanone	10	U
3-chloropropene	5	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Acetonitrile	100	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U

PARAMETER	RESULT	QUAL
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,2-dichloroethene	5	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Dibromomethane	5	U
Dichlorodifluoromethane	20	U
Ethyl cyanide	100	U
Ethylbenzene	5	U
Iodomethane	5	U
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	2	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,2-dichloroethene	5	U
Trans-1,3-dichloropropene	5	U
Trans-1,4-dichloro-2-butene	20	U
Trichloroethene	5	U
Trichlorofluoromethane	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
2,4,5-T	2	U
2,4,5-TP (silvex)	2	U
2,4-D	2	U
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlorobenzilate	0.5	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Dimethoate	0.5	U
Dinoseb	20	U
Disulfoton	0.5	U

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PARAMETER	RESULT	QUAL
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
Famphur	0.5	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Isodrin	0.05	U
Kepone	0.1	U
Methoxychlor	0.5	U
Methyl parathion	0.5	U
Parathion	0.5	U
Phorate	1	U
Sulfotep	10	U
Thionazin	0.5	U
Toxaphene	1	U
S7SS-2(IT) AS1111 IT(1994)		
INORGANICS		
Antimony	199	
Arsenic	2	U
Barium	40.4	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	20	U
Mercury	0.2	U
Nickel	20	U
Selenium	6	U
Silver	5	U
Thallium	2	U
Tin	180	B
Vanadium	10	U
Zinc	7.9	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-nitrophenol	10	U
4-chloro-3-methylphenol	10	U

PARAMETER	RESULT	QUAL
4-nitrophenol	50	U
Acenaphthene	1.6	U
Acenaphthylene	1.6	U
Anthracene	0.8	U
Benzo(a)anthracene	0.8	U
Benzo(a)pyrene	0.8	U
Benzo(b)fluoranthene	0.8	U
Benzo(g,h,i)perylene	0.8	U
Benzo(k)fluoranthene	0.8	U
Chrysene	0.8	U
Dibenzo(a,h)anthracene	0.8	U
Fluoranthene	0.8	U
Fluorene	0.8	U
Indeno(1,2,3-cd)pyrene	0.8	U
Naphthalene	1.6	U
Pentachlorophenol	50	U
Phenanthrene	0.8	U
Phenol	10	U
Pyrene	0.8	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U

PARAMETER	RESULT	QUAL
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
Aroclor-1016	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
S7SS-3(IT) S7SS-3-AVG IT(1994)		
INORGANICS		
Antimony	90.5	
Arsenic	15	U
Barium	20.9	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	20	U
Mercury	0.2	U
Nickel	20	U
Selenium	10	U
Silver	5	U
Thallium	20	U
Tin	48.4	B
Vanadium	10	U
Zinc	3.75	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-nitrophenol	10	U
4-chloro-3-methylphenol	10	U
4-nitrophenol	50	U
Acenaphthene	0.88	U
Acenaphthylene	0.88	U
Anthracene	0.44	U

PARAMETER	RESULT	QUAL
Benzo(a)anthracene	0.44	U
Benzo(a)pyrene	0.44	U
Benzo(b)fluoranthene	0.44	U
Benzo(g,h,i)perylene	0.44	U
Benzo(k)fluoranthene	0.44	U
Chrysene	0.44	U
Dibenzo(a,h)anthracene	0.44	U
Fluoranthene	0.44	U
Fluorene	0.44	U
Indeno(1,2,3-cd)pyrene	0.44	U
Naphthalene	0.88	U
Pentachlorophenol	50	U
Phenanthrene	0.44	U
Phenol	10	U
Pyrene	0.44	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U

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PARAMETER	RESULT	QUAL
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
Aroclor-1016	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
S7SS-4(IT) AS1117	IT(1994)	
INORGANICS		
Arsenic	2	U
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	20	U
Mercury	0.2	U
Nickel	20	U
Selenium	10	U
Silver	5	U
Thallium	8	U
Tin	30	U
Vanadium	10	U
Zinc	6.4	B
MISCELLANEOUS		
Sulfide	6000	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	10	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	1000	U
1,4-naphthoquinone	10	U
1-naphthylamine	120	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	50	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U

PARAMETER	RESULT	QUAL
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	170	U
2-nitroaniline	50	U
2-nitrophenol	10	U
2-picoline	70	U
3,3'-dichlorobenzidine	20	U
3,3'-dimethylbenzidine	80	U
3-methylcholanthrene	30	U
3-methylphenol	10	U
3-nitroaniline	50	U
4-aminobiphenyl	50	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	50	U
4-nitrophenol	50	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	20	U
7,12-dimethylbenz(a)anthracene	20	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	50	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U

PARAMETER	RESULT	QUAL
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachlorophene	50	U
Hexachloropropene	20	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	40	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	20	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	30	U
p-phenylenediamine	50	U
Pentachlorobenzene	20	U
Pentachloroethane	20	U
Pentachloronitrobenzene	20	U
Pentachlorophenol	50	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	30	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	5	U
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,2,3-trichloropropane	5	U
1,2-dibromo-3-chloropropane	5	U

PARAMETER	RESULT	QUAL
1,2-dibromoethane	5	U
1,2-dichloroethane	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-chloro-1,3-butadiene	5	U
2-hexanone	10	U
3-chloropropene	5	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Acetonitrile	100	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,2-dichloroethene	5	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Dibromomethane	5	U
Dichlorodifluoromethane	20	U
Ethyl cyanide	100	U
Ethylbenzene	5	U
Iodomethane	5	U
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	2	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,2-dichloroethene	5	U
Trans-1,3-dichloropropene	5	U
Trans-1,4-dichloro-2-butene	20	U
Trichloroethene	5	U
Trichlorofluoromethane	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
2,4,5-T	2	U
2,4,5-TP (silvex)	2	U
2,4-D	2	U
4,4'-DDD	0.1	U

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PARAMETER	RESULT	QUAL
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlorobenzilate	0.5	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Dimethoate	0.5	U
Dinoseb	20	U
Disulfoton	0.5	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
Famphur	0.5	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Isodrin	0.05	U
Kepone	0.1	U
Methoxychlor	0.5	U
Methyl parathion	0.5	U
Parathion	0.5	U
Phorate	1	U
Sulfotep	1	U
Thionazin	0.5	U
Toxaphene	1	U
S7SW-4 S7SW-4	**B&RE**	
INORGANICS		
Aluminum	28	U
Antimony	4	U
Arsenic	6.4	U
Barium	9.9	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2.7	
Cobalt	2	U
Copper	4	U
Cyanide	2.6	

PARAMETER	RESULT	QUAL
Iron	222	U
Lead	3	U
Manganese	10.3	
Mercury	0.34	
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	50	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	10	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	20	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	10	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	U
2-picoline	10	U
3,3'-dichlorobenzidine	50	U
3,3'-dimethylbenzidine	50	U
3-methylcholanthrene	10	U
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U

PARAMETER	RESULT	QUAL
4-nitroaniline	10	U
4-nitrophenol	20	U
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	50	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U

PARAMETER	RESULT	QUAL
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U
Pentachloronitrobenzene	10	U
Pentachlorophenol	10	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS		
Methyl methacrylate	10	U
PESTICIDES/PCBs		
2,4,5-T	0.097	U
2,4,5-TP (silvex)	0.097	U
2,4-D	0.097	U
4,4'-DDD	0.08	U
4,4'-DDE	0.08	U
4,4'-DDT	0.08	U
Aldrin	0.04	U
alpha-BHC	0.04	U
Aroclor-1016	0.25	U
Aroclor-1221	0.25	U
Aroclor-1232	0.25	U
Aroclor-1242	0.25	U
Aroclor-1248	0.25	U
Aroclor-1254	0.25	U
Aroclor-1260	0.25	U
beta-BHC	0.04	U
Chlordane	0.5	U
Chlorobenzilate	50	U
delta-BHC	0.04	U
Dieldrin	0.08	U
Dimethoate	50	U
Dinoseb	10	U
Disulfoton	10	U
Endosulfan I	0.04	U
Endosulfan II	0.08	U
Endosulfan sulfate	0.08	U
Endrin	0.08	U

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PARAMETER	RESULT	QUAL
Endrin aldehyde	0.08	U
Famphur	10	U
gamma-BHC (lindane)	0.04	U
Heptachlor	0.04	U
Heptachlor epoxide	0.04	U
Isodrin	10	U
Kepone	10	U
Methoxychlor	0.4	U
Methyl parathion	0.1	U
Parathion	0.1	U
Phorate	0.1	U
Sulfotep	10	U
Thionazin	10	U
Toxaphene	2	U
S7SW-5 S7SW-5	**B&RE**	
INORGANICS		
Aluminum	28	U
Antimony	4	U
Arsenic	4.5	U
Barium	8.1	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U
Iron	81.2	U
Lead	3	U
Manganese	8.8	
Mercury	0.17	
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	20	U
1,2,4-trichlorobenzene	20	U
1,2-dichlorobenzene	20	U
1,3,5-trinitrobenzene	100	U
1,3-dichlorobenzene	20	U
1,3-dinitrobenzene	20	U
1,4-dichlorobenzene	20	U
1,4-dioxane	20	U
1,4-naphthoquinone	20	U
1-naphthylamine	20	U
2,3,4,6-tetrachlorophenol	20	U
2,4,5-trichlorophenol	20	U
2,4,6-trichlorophenol	20	U

PARAMETER	RESULT	QUAL
2,4-dichlorophenol	20	U
2,4-dimethylphenol	20	U
2,4-dinitrophenol	40	U
2,4-dinitrotoluene	20	U
2,6-dichlorophenol	20	U
2,6-dinitrotoluene	20	U
2-acetylaminofluorene	20	U
2-chloronaphthalene	20	U
2-chlorophenol	20	U
2-methyl-4,6-dinitrophenol	20	U
2-methylnaphthalene	20	U
2-methylphenol	20	U
2-naphthylamine	20	U
2-nitroaniline	20	U
2-nitrophenol	20	U
2-picoline	20	U
3,3'-dichlorobenzidine	100	U
3,3'-dimethylbenzidine	100	U
3-methylcholanthrene	20	U
3-nitroaniline	20	U
4-aminobiphenyl	20	U
4-bromophenyl phenyl ether	20	U
4-chloro-3-methylphenol	20	U
4-chloroaniline	20	U
4-chlorophenyl phenyl ether	20	U
4-methylphenol	20	U
4-nitroaniline	20	U
4-nitrophenol	40	U
5-nitro-o-toluidine	20	U
7,12-dimethylbenz(a)anthracene	20	U
a,a-dimethylphenethylamine	20	U
Acenaphthene	20	U
Acenaphthylene	20	U
Acetophenone	20	U
Aniline	20	U
Anthracene	20	U
Aramite	20	U
Benzo(a)anthracene	20	U
Benzo(a)pyrene	20	U
Benzo(b)fluoranthene	20	U
Benzo(g,h,i)perylene	20	U
Benzo(k)fluoranthene	20	U
Benzyl alcohol	20	U
Bis(2-chloroethoxy)methane	20	U
Bis(2-chloroethyl)ether	20	U
Bis(2-ethylhexyl)phthalate	20	U
Butyl benzyl phthalate	20	U
Chrysene	20	U
Di-n-butyl phthalate	20	U
Di-n-octyl phthalate	20	U

PARAMETER	RESULT	QUAL
Diallate	20	U
Dibenzo(a,h)anthracene	20	U
Dibenzofuran	20	U
Diethyl phthalate	20	U
Dimethyl phthalate	20	U
Diphenylamine	20	U
Ethyl methacrylate	20	U
Ethyl methanesulfonate	20	U
Fluoranthene	20	U
Fluorene	20	U
Hexachlorobenzene	20	U
Hexachlorobutadiene	20	U
Hexachlorocyclopentadiene	20	U
Hexachloroethane	20	U
Hexachloropropene	20	U
Indeno(1,2,3-cd)pyrene	20	U
Isophorone	20	U
Isosafrole	20	U
Methapyrilene	100	U
Methyl methanesulfonate	20	U
N-nitroso-di-n-butylamine	20	U
N-nitroso-di-n-propylamine	20	U
N-nitrosodiethylamine	20	U
N-nitrosodimethylamine	20	U
N-nitrosodiphenylamine	20	U
N-nitrosomethylethylamine	20	U
N-nitrosomorpholine	20	U
N-nitrosopiperidine	20	U
N-nitrosopyrrolidine	20	U
Naphthalene	20	U
Nitrobenzene	20	U
o,o,o-triethylphosphorothioate	20	U
o-toluidine	20	U
p-dimethylaminoazobenzene	20	U
p-phenylenediamine	40	U
Pentachlorobenzene	20	U
Pentachloroethane	20	U
Pentachloronitrobenzene	20	U
Pentachlorophenol	20	U
Phenacetin	20	U
Phenanthrene	20	U
Phenol	20	U
Pronamide	20	U
Pyrene	20	U
Pyridine	20	U
Safrole	20	U
VOLATILE ORGANIC COMPOUNDS		
Methyl methacrylate	20	U
PESTICIDES/PCBs		
2,4,5-T	0.097	U

PARAMETER	RESULT	QUAL
2,4,5-TP (silvex)	0.097	U
2,4-D	0.097	U
4,4'-DDD	0.08	U
4,4'-DDE	0.08	U
4,4'-DDT	0.08	U
Aldrin	0.04	U
alpha-BHC	0.04	U
Aroclor-1016	0.25	U
Aroclor-1221	0.25	U
Aroclor-1232	0.25	U
Aroclor-1242	0.25	U
Aroclor-1248	0.25	U
Aroclor-1254	0.25	U
Aroclor-1260	0.25	U
beta-BHC	0.04	U
Chlordane	0.5	U
Chlorobenzilate	100	U
delta-BHC	0.04	U
Dieldrin	0.08	U
Dimethoate	100	U
Dinoseb	20	U
Disulfoton	20	U
Endosulfan I	0.04	U
Endosulfan II	0.08	U
Endosulfan sulfate	0.08	U
Endrin	0.08	U
Endrin aldehyde	0.08	U
Famphur	20	U
gamma-BHC (lindane)	0.04	U
Heptachlor	0.04	U
Heptachlor epoxide	0.04	U
Isodrin	20	U
Kepone	20	U
Methoxychlor	0.4	U
Methyl parathion	0.1	U
Parathion	0.1	U
Phorate	0.1	U
Sulfotep	20	U
Thionazin	20	U
Toxaphene	2	U
S7SW-6 S7SW-6	**B&RE**	
INORGANICS		
Aluminum	28	U
Antimony	4	U
Arsenic	6.6	U
Barium	9.9	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2.3	
Cobalt	2	U

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PARAMETER	RESULT	QUAL
Copper	4	U
Cyanide	1.4	U
Iron	168	
Lead	3	U
Manganese	13.2	
Mercury	0.12	
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	50	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinene	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	10	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	20	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	10	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	U
2-picoline	10	U
3,3'-dichlorobenzidine	50	U
3,3'-dimethylbenzidine	50	U
3-methylcholanthrene	10	U
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U

PARAMETER	RESULT	QUAL
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	10	U
4-nitrophenol	20	U
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	50	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U

PARAMETER	RESULT	QUAL
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U
Pentachloronitrobenzene	10	U
Pentachlorophenol	10	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS		
Methyl methacrylate	10	U
PESTICIDES/PCBs		
2,4,5-T	0.097	U
2,4,5-TP (silvex)	0.097	U
2,4-D	0.097	U
4,4'-DDD	0.08	U
4,4'-DDE	0.08	U
4,4'-DDT	0.08	U
Aldrin	0.04	U
alpha-BHC	0.04	U
Aroclor-1016	0.25	U
Aroclor-1221	0.25	U
Aroclor-1232	0.25	U
Aroclor-1242	0.25	U
Aroclor-1248	0.25	U
Aroclor-1254	0.25	U
Aroclor-1260	0.25	U
beta-BHC	0.04	U
Chlordane	0.5	U
Chlorobenzilate	50	U
delta-BHC	0.04	U
Dieldrin	0.08	U
Dimethoate	50	U
Dinoseb	10	U
Disulfoton	10	U
Endosulfan I	0.04	U
Endosulfan II	0.08	U

PARAMETER	RESULT	QUAL
Endosulfan sulfate	0.08	U
Endrin	0.08	U
Endrin aldehyde	0.08	U
Famphur	10	U
gamma-BHC (lindane)	0.04	U
Heptachlor	0.04	U
Heptachlor epoxide	0.04	U
Isodrin	10	U
Kepone	10	U
Methoxychlor	0.4	U
Methyl parathion	0.1	U
Parathion	0.1	U
Phorate	0.1	U
Sulfotep	10	U
Thionazin	10	U
Toxaphene	2	U
S7SW-7 S7SW-7 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	4	U
Arsenic	6.5	U
Barium	8.8	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2.6	
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U
Iron	202	U
Lead	3	U
Manganese	8.7	
Mercury	0.13	
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	50	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U

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PARAMETER	RESULT	QUAL
2,4,5-trichlorophenol	10	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	20	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	10	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	U
2-picoline	10	U
3,3'-dichlorobenzidine	50	U
3,3'-dimethylbenzidine	50	U
3-methylcholanthrene	10	U
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	10	U
4-nitrophenol	20	U
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U

PARAMETER	RESULT	QUAL
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	50	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U
Pentachloronitrobenzene	10	U
Pentachlorophenol	10	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS		
Methyl methacrylate	10	U

PARAMETER	RESULT	QUAL
PESTICIDES/PCBs		
2,4,5-T	0.097	U
2,4,5-TP (silvex)	0.097	U
2,4-D	0.097	U
4,4'-DDD	0.08	U
4,4'-DDE	0.08	U
4,4'-DDT	0.08	U
Aldrin	0.04	U
alpha-BHC	0.04	U
Aroclor-1016	0.25	U
Aroclor-1221	0.25	U
Aroclor-1232	0.25	U
Aroclor-1242	0.25	U
Aroclor-1248	0.25	U
Aroclor-1254	0.25	U
Aroclor-1260	0.25	U
beta-BHC	0.04	U
Chlordane	0.5	U
Chlorobenzilate	50	U
delta-BHC	0.04	U
Dieldrin	0.08	U
Dimethoate	50	U
Dinoseb	10	U
Disulfoton	10	U
Endosulfan I	0.04	U
Endosulfan II	0.08	U
Endosulfan sulfate	0.08	U
Endrin	0.08	U
Endrin aldehyde	0.08	U
Famphur	10	U
gamma-BHC (lindane)	0.04	U
Heptachlor	0.04	U
Heptachlor epoxide	0.04	U
Isodrin	10	U
Kepone	10	U
Methoxychlor	0.4	U
Methyl parathion	0.1	U
Parathion	0.1	U
Phorate	0.1	U
Sulfotep	10	U
Thionazin	10	U
Toxaphene	2	U
S7SW-8 S7SW-8	**B&RE**	
INORGANICS		
Aluminum	28	U
Antimony	4	U
Arsenic	5.4	U
Barium	8	
Beryllium	0.2	U
Cadmium	0.4	U

PARAMETER	RESULT	QUAL
Chromium	2.5	
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U
Iron	157	U
Lead	3	U
Manganese	9.1	
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	50	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	10	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	20	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	10	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	U
2-picoline	10	U
3,3'-dichlorobenzidine	50	U
3,3'-dimethylbenzidine	50	U
3-methylcholanthrene	10	U
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U

Keywest MOD01 Sur[illegible]nental RFI/RI Sites
Surface-W[illegible]er Data Set

PARAMETER	RESULT	QUAL
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	10	U
4-nitrophenol	20	U
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	50	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U

PARAMETER	RESULT	QUAL
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U
Pentachloronitrobenzene	10	U
Pentachlorophenol	10	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS		
Methyl methacrylate	10	U
PESTICIDES/PCBs		
2,4,5-T	0.097	U
2,4,5-TP (silvex)	0.097	U
2,4-D	0.097	U
4,4'-DDD	0.08	U
4,4'-DDE	0.08	U
4,4'-DDT	0.08	U
Aldrin	0.04	U
alpha-BHC	0.04	U
Aroclor-1016	0.25	U
Aroclor-1221	0.25	U
Aroclor-1232	0.25	U
Aroclor-1242	0.25	U
Aroclor-1248	0.25	U
Aroclor-1254	0.25	U
Aroclor-1260	0.25	U
beta-BHC	0.04	U
Chlordane	0.5	U
Chlorobenzilate	50	U
delta-BHC	0.04	U
Dieldrin	0.08	U
Dimethoate	50	U
Dinoseb	10	U
Disulfoton	10	U

PARAMETER	RESULT	QUAL
Endosulfan I	0.04	U
Endosulfan II	0.08	U
Endosulfan sulfate	0.08	U
Endrin	0.08	U
Endrin aldehyde	0.08	U
Famphur	10	U
gamma-BHC (lindane)	0.04	U
Heptachlor	0.04	U
Heptachlor epoxide	0.04	U
Isodrin	10	U
Kepone	10	U
Methoxychlor	0.4	U
Methyl parathion	0.1	U
Parathion	0.1	U
Phorate	0.1	U
Sulfotep	10	U
Thionazin	10	U
Toxaphene	2	U

PARAMETER	RESULT	QUAL

APPENDIX H-5

Keywest MOD01 Sup[illegible]nental RFI/RI Sites
Groundwa[illegible]r Data Set

PARAMETER	RESULT	QUAL
AOC B		
ABSB-10 AS1186 IT(1994)		
INORGANICS		
Antimony	215	
Arsenic	48.4	
Barium	105	B
Beryllium	1	U
Cadmium	5	U
Chromium	102	
Cobalt	20	U
Copper	253	
Lead	96.1	
Mercury	2.4	
Nickel	123	
Selenium	10	U
Silver	5	U
Thallium	40	U
Tin	118	B
Vanadium	10	U
Zinc	1090	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.084	U
Benzo(a)anthracene	0.084	U
Benzo(a)pyrene	0.084	U
Benzo(b)fluoranthene	0.084	U
Benzo(g,h,i)perylene	0.13	U*
Benzo(k)fluoranthene	0.084	U
Chrysene	0.084	U
Dibenzo(a,h)anthracene	0.2	U*
Fluoranthene	0.084	U
Fluorene	0.084	U
Indeno(1,2,3-cd)pyrene	0.084	U
Naphthalene	0.1	U
Phenanthrene	0.084	U
Pyrene	0.61	U*
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
Aroclor-1016	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
ABSB-3 AS1199 IT(1994)		
INORGANICS		
Antimony	240	
Arsenic	83.4	
Barium	201	
Beryllium	1	U
Cadmium	6.2	
Chromium	428	
Cobalt	20	U
Copper	531	
Lead	309	
Mercury	0.3	
Nickel	161	
Selenium	11.1	
Silver	5	U
Thallium	12	U
Tin	121	B
Vanadium	23.1	B
Zinc	3040	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.1	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
Aroclor-1016	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
ABMW-1 ABMW-1-AVG B&RE		
INORGANICS		
Aluminum	28	U
Antimony	4	U
Arsenic	4	U
Barium	32.55	
Beryllium	0.2	U
Cadmium	0.465	U
Chromium	2	U
Cobalt	2	U
Copper	8.9	
Cyanide	1.4	U
Iron	202.5	U
Lead	2.9	
Manganese	26.95	U
Mercury	0.1	U
Nickel	8.55	
Selenium	4	U
Silver	2	U
Thallium	4.95	
Vanadium	2	U
Zinc	55.4	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	2	U
1,3-dichlorobenzene	2	U
1,4-dichlorobenzene	2	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U

Keywest MOD01 Supplemental RFI/RI Sites
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PARAMETER	RESULT	QUAL
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Chrysene	10	U
Dibenzo(a,h)anthracene	10	U
Fluoranthene	10	U
Fluorene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Naphthalene	10	U
Phenanthrene	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
Benzene	2	U
Chlorobenzene	2	U
Ethylbenzene	2	U
Toluene	2	U
Xylenes, total	6	U
PESTICIDES/PCBs		
2,4,5-T	0.3585	U
2,4,5-TP (silvex)	0.4335	U
2,4-D	0.4185	U
4,4'-DDD	0.08	U
4,4'-DDE	0.08	U
4,4'-DDT	0.0625	
Aldrin	0.04	U
alpha-BHC	0.04	U
Aroclor-1016	0.25	U
Aroclor-1221	0.25	U
Aroclor-1232	0.25	U
Aroclor-1242	0.25	U
Aroclor-1248	0.25	U
Aroclor-1254	0.25	U
Aroclor-1260	0.25	U
beta-BHC	0.04	U
Chlordane	0.5	U
delta-BHC	0.04	U
Dieldrin	0.08	U
Endosulfan I	0.04	U
Endosulfan II	0.08	U
Endosulfan sulfate	0.08	U
Endrin	0.08	U
Endrin aldehyde	0.05	J
gamma-BHC (lindane)	0.04	U
Heptachlor	0.04	U
Heptachlor epoxide	0.022	J
Methoxychlor	0.4	U
Methyl parathion	0.1	U
Parathion	0.1	U

PARAMETER	RESULT	QUAL
Phorate	0.1	U
Toxaphene	2	U
ABMW-2 ABMW-2 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	4.4	U
Arsenic	4	U
Barium	18.8	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2.2	
Cobalt	2	U
Copper	4.1	U
Cyanide	1.4	U
Iron	144	U
Lead	4.8	U
Manganese	2	U
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	2	U
1,3-dichlorobenzene	2	U
1,4-dichlorobenzene	2	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Chrysene	10	U
Dibenzo(a,h)anthracene	10	U
Fluoranthene	10	U
Fluorene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Naphthalene	10	U
Phenanthrene	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
Benzene	2	U
Chlorobenzene	2	U
Ethylbenzene	2	U
Toluene	2	U
Xylenes, total	6	U

PARAMETER	RESULT	QUAL
PESTICIDES/PCBs		
2,4,5-T	0.69	U
2,4,5-TP (silvex)	0.76	U
2,4-D	0.66	J
4,4'-DDD	0.08	U
4,4'-DDE	0.08	U
4,4'-DDT	0.08	U
Aldrin	0.04	U
alpha-BHC	0.04	U
Aroclor-1016	0.25	U
Aroclor-1221	0.25	U
Aroclor-1232	0.25	U
Aroclor-1242	0.25	U
Aroclor-1248	0.25	U
Aroclor-1254	0.25	U
Aroclor-1260	0.25	U
beta-BHC	0.04	U
Chlordane	0.5	U
delta-BHC	0.04	U
Dieldrin	0.08	U
Endosulfan I	0.04	U
Endosulfan II	0.08	U
Endosulfan sulfate	0.08	U
Endrin	0.08	U
Endrin aldehyde	0.08	U
gamma-BHC (lindane)	0.04	U
Heptachlor	0.04	U
Heptachlor epoxide	0.04	U
Methoxychlor	0.4	U
Methyl parathion	0.1	U
Parathion	0.1	U
Phorate	0.1	U
Toxaphene	2	U
ABMW-3 ABMW-3 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	4	U
Arsenic	4	U
Barium	32.9	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U
Iron	66.6	U
Lead	3	U
Manganese	6.7	U
Mercury	0.1	U
Nickel	4	U

PARAMETER	RESULT	QUAL
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	2	U
1,3-dichlorobenzene	2	U
1,4-dichlorobenzene	2	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Chrysene	10	U
Dibenzo(a,h)anthracene	10	U
Fluoranthene	10	U
Fluorene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Naphthalene	10	U
Phenanthrene	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
Benzene	2	U
Chlorobenzene	2	U
Ethylbenzene	2	U
Toluene	2	U
Xylenes, total	6	U
PESTICIDES/PCBs		
2,4,5-T	0.096	U
2,4,5-TP (silvex)	0.096	U
2,4-D	0.096	U
4,4'-DDD	0.93	
4,4'-DDE	0.65	J
4,4'-DDT	1	
Aldrin	0.071	
alpha-BHC	0.04	U
Aroclor-1016	0.25	U
Aroclor-1221	0.25	U
Aroclor-1232	0.25	U
Aroclor-1242	0.25	U
Aroclor-1248	0.25	U
Aroclor-1254	0.25	U
Aroclor-1260	0.25	U
beta-BHC	0.11	
Chlordane	0.5	U
delta-BHC	0.097	

Keywest MOD01 Supplemental RFI/RI Sites
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PARAMETER	RESULT	QUAL
Dieldrin	0.64	J
Endosulfan I	0.42	
Endosulfan II	0.69	
Endosulfan sulfate	0.7	
Endrin	0.08	U
Endrin aldehyde	0.59	
gamma-BHC (lindane)	0.04	U
Heptachlor	0.026	J
Heptachlor epoxide	0.43	
Methoxychlor	0.4	U
Methyl parathion	0.1	U
Parathion	0.1	U
Phorate	0.1	U
Toxaphene	2	U
IR 1		
I1KWM-01 KWM-01		**GM**
INORGANICS		
Antimony	200	U
Arsenic	6	
Beryllium	10	U
Cadmium	10	U
Chromium	30	U
Copper	40	
Cyanide	300	U
Lead	5	U
Mercury	55	
Nickel	30	U
Selenium	5	U
Silver	50	U
Thallium	50	U
Zinc	10	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	1	U
1,2-dichlorobenzene	1	U
1,2-diphenylhydrazine	1	U
1,3-dichlorobenzene	1	U
1,4-dichlorobenzene	1	U
2,4,6-trichlorophenol	1	U
2,4-dichlorophenol	1	U
2,4-dimethylphenol	1	U
2,4-dinitrophenol	5	U
2,4-dinitrotoluene	1	U
2,6-dinitrotoluene	1	U
2-chloronaphthalene	1	U
2-chlorophenol	1	U
2-methyl-4,6-dinitrophenol	5	U
2-nitrophenol	1	U
3,3'-dichlorobenzidine	1	U
4-bromophenyl phenyl ether	1	U
4-chloro-3-methylphenol	1	U

PARAMETER	RESULT	QUAL
4-chlorophenyl phenyl ether	1	U
4-nitrophenol	5	U
Acenaphthene	1	U
Acenaphthylene	1	U
Anthracene	1	U
Benzidine	1	U
Benzo(a)anthracene	1	U
Benzo(a)pyrene	1	U
Benzo(b)fluoranthene	1	U
Benzo(g,h,i)perylene	1	U
Benzo(k)fluoranthene	1	U
Bis(2-chloroethoxy)methane	1	U
Bis(2-chloroethyl)ether	1	U
Bis(2-ethylhexyl)phthalate	1	U
Butyl benzyl phthalate	1	U
Chrysene	1	U
Di-n-butyl phthalate	1	U
Di-n-octyl phthalate	1	U
Dibenzo(a,h)anthracene	1	U
Diethyl phthalate	1	U
Dimethyl phthalate	1	U
Fluoranthene	1	U
Fluorene	1	U
Hexachlorobenzene	1	U
Hexachlorobutadiene	1	U
Hexachlorocyclopentadiene	1	U
Hexachloroethane	1	U
Indeno(1,2,3-cd)pyrene	1	U
Isophorone	1	U
N-nitroso-di-n-propylamine	1	U
N-nitrosodimethylamine	1	U
N-nitrosodiphenylamine	1	U
Naphthalene	1	U
Nitrobenzene	1	U
Pentachlorophenol	5	U
Phenanthrene	1	U
Phenol	1	U
Pyrene	1	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	1	U
1,1,2,2-tetrachloroethane	1	U
1,1,2-trichloroethane	1	U
1,1-dichloroethane	1	U
1,1-dichloroethene	1	U
1,2-dichloroethane	1	U
1,2-dichloropropane	1	U
2-chloroethyl vinyl ether	1	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	1	U

PARAMETER	RESULT	QUAL
Bis(2-chloroisopropyl)ether	1	U
Bromodichloromethane	1	U
Bromoform	1	U
Bromomethane	1	U
Carbon tetrachloride	1	U
Chlorobenzene	1	U
Chloroethane	1	U
Chloroform	1	U
Chloromethane	1	U
Cis-1,3-dichloropropene	1	U
Dibromochloromethane	1	U
Ethylbenzene	1	U
Methylene chloride	3.9	BG*
Tetrachloroethene	1	U
Toluene	1	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	1	U
Trichloroethene	1	U
Vinyl chloride	1	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.1	U
alpha-BHC	0.1	U
Aroclor-1016	1	U
Aroclor-1221	1	U
Aroclor-1232	1	U
Aroclor-1242	1	U
Aroclor-1248	1	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.1	U
Chlordane	0.5	U
delta-BHC	0.1	U
Dieldrin	0.1	U
Endosulfan I	0.1	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin aldehyde	0.1	U
gamma-BHC (lindane)	0.1	U
Heptachlor	0.1	U
Heptachlor epoxide	0.1	U
Toxaphene	1	U
I1KWM-02 KWM-02		**GM**
INORGANICS		
Antimony	200	U
Arsenic	7	

PARAMETER	RESULT	QUAL
Beryllium	10	U
Cadmium	10	U
Chromium	30	U
Copper	40	
Cyanide	300	U
Lead	5	U
Mercury	640	
Nickel	30	U
Selenium	5	U
Silver	50	U
Thallium	50	U
Zinc	10	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	1	U
1,2-dichlorobenzene	1	U
1,2-diphenylhydrazine	1	U
1,3-dichlorobenzene	1	U
1,4-dichlorobenzene	1	U
2,4,6-trichlorophenol	1	U
2,4-dichlorophenol	1	U
2,4-dimethylphenol	1	U
2,4-dinitrophenol	5	U
2,4-dinitrotoluene	1	U
2,6-dinitrotoluene	1	U
2-chloronaphthalene	1	U
2-chlorophenol	1	U
2-methyl-4,6-dinitrophenol	5	U
2-nitrophenol	1	U
3,3'-dichlorobenzidine	2	U
4-bromophenyl phenyl ether	1	U
4-chloro-3-methylphenol	1	U
4-chlorophenyl phenyl ether	1	U
4-nitrophenol	5	U
Acenaphthene	7.4	
Acenaphthylene	1	U
Anthracene	1.1	
Benzidine	5	U
Benzo(a)anthracene	1	U
Benzo(a)pyrene	1	U
Benzo(b)fluoranthene	1	U
Benzo(g,h,i)perylene	1	U
Benzo(k)fluoranthene	1	U
Bis(2-chloroethoxy)methane	1	U
Bis(2-chloroethyl)ether	1	U
Bis(2-ethylhexyl)phthalate	1	U
Butyl benzyl phthalate	1	U
Chrysene	1	U
Di-n-butyl phthalate	1	U
Di-n-octyl phthalate	1	U
Dibenzo(a,h)anthracene	1	U

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PARAMETER	RESULT	QUAL
Diethyl phthalate	1	U
Dimethyl phthalate	1	U
Fluoranthene	2.4	
Fluorene	7.5	
Hexachlorobenzene	1	U
Hexachlorobutadiene	1	U
Hexachlorocyclopentadiene	1	U
Hexachloroethane	1	U
Indeno(1,2,3-cd)pyrene	1	U
Isophorone	1	U
N-nitroso-di-n-propylamine	1	U
N-nitrosodimethylamine	1	U
N-nitrosodiphenylamine	1	U
Naphthalene	1	U
Nitrobenzene	1	U
Pentachlorophenol	5	U
Phenanthrene	14	
Phenol	1	U
Pyrene	1	
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	1	U
1,1,2,2-tetrachloroethane	1	U
1,1,2-trichloroethane	1	U
1,1-dichloroethane	1	U
1,1-dichloroethene	1	U
1,2-dichloroethane	1	U
1,2-dichloropropane	1	U
2-chloroethyl vinyl ether	1	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	1.6	
Bis(2-chloroisopropyl)ether	1	U
Bromodichloromethane	1	U
Bromoform	1	U
Bromomethane	1	U
Carbon tetrachloride	1	U
Chlorobenzene	1	U
Chloroethane	1	U
Chloroform	1	U
Chloromethane	1	U
Cis-1,3-dichloropropene	1	U
Dibromochloromethane	1	U
Ethylbenzene	1.6	
Methylene chloride	3.3	BG*
Tetrachloroethene	1	U
Toluene	4.3	
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	1	U
Trichloroethene	1	U
Vinyl chloride	1	U

PARAMETER	RESULT	QUAL
Xylenes, total	7.2	
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.1	U
alpha-BHC	0.1	U
Aroclor-1016	1	U
Aroclor-1221	1	U
Aroclor-1232	1	U
Aroclor-1242	1	U
Aroclor-1248	1	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.1	U
Chlordane	0.5	U
delta-BHC	0.1	U
Dieldrin	0.1	U
Endosulfan I	0.1	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin aldehyde	0.1	U
gamma-BHC (lindane)	0.1	U
Heptachlor	0.1	U
Heptachlor epoxide	0.1	U
Toxaphene	1	U
I1KWM-03 KWM-03		**GM**
INORGANICS		
Antimony	200	U
Arsenic	7	
Beryllium	10	U
Cadmium	10	U
Chromium	30	U
Copper	40	
Cyanide	300	U
Lead	5	U
Mercury	120	
Nickel	30	U
Selenium	5	U
Silver	50	U
Thallium	50	U
Zinc	10	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	1	U
1,2-dichlorobenzene	1	U
1,2-diphenylhydrazine	1	U
1,3-dichlorobenzene	1	U
1,4-dichlorobenzene	1	U
2,4,6-trichlorophenol	1	U

PARAMETER	RESULT	QUAL
2,4-dichlorophenol	1	U
2,4-dimethylphenol	1	U
2,4-dinitrophenol	5	U
2,4-dinitrotoluene	1	U
2,6-dinitrotoluene	1	U
2-chloronaphthalene	1	U
2-chlorophenol	1	U
2-methyl-4,6-dinitrophenol	5	U
2-nitrophenol	1	U
3,3'-dichlorobenzidine	1	U
4-bromophenyl phenyl ether	1	U
4-chloro-3-methylphenol	1	U
4-chlorophenyl phenyl ether	1	U
4-nitrophenol	5	U
Acenaphthene	1	U
Acenaphthylene	1	U
Anthracene	1	U
Benzidine	1	U
Benzo(a)anthracene	1	U
Benzo(a)pyrene	1	U
Benzo(b)fluoranthene	1	U
Benzo(g,h,i)perylene	1	U
Benzo(k)fluoranthene	1	U
Bis(2-chloroethoxy)methane	1	U
Bis(2-chloroethyl)ether	1	U
Bis(2-ethylhexyl)phthalate	1	U
Butyl benzyl phthalate	1	U
Chrysene	1	U
Di-n-butyl phthalate	1	U
Di-n-octyl phthalate	1	U
Dibenzo(a,h)anthracene	1	U
Diethyl phthalate	1	U
Dimethyl phthalate	1	U
Fluoranthene	1	U
Fluorene	1	U
Hexachlorobenzene	1	U
Hexachlorobutadiene	1	U
Hexachlorocyclopentadiene	1	U
Hexachloroethane	1	U
Indeno(1,2,3-cd)pyrene	1	U
Isophorone	1	U
N-nitroso-di-n-propylamine	1	U
N-nitrosodimethylamine	1	U
N-nitrosodiphenylamine	1	U
Naphthalene	1	U
Nitrobenzene	1	U
Pentachlorophenol	5	U
Phenanthrene	1	U
Phenol	1	U
Pyrene	1	U

PARAMETER	RESULT	QUAL
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	1	U
1,1,2,2-tetrachloroethane	1	U
1,1,2-trichloroethane	1	U
1,1-dichloroethane	1	U
1,1-dichloroethene	1	U
1,2-dichloroethane	1	U
1,2-dichloropropane	1	U
2-chloroethyl vinyl ether	1	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	1	U
Bis(2-chloroisopropyl)ether	1	U
Bromodichloromethane	1	U
Bromoform	1	U
Bromomethane.	1	U
Carbon tetrachloride	1	U
Chlorobenzene	1	U
Chloroethane	1	U
Chloroform	1	U
Chloromethane	1	U
Cis-1,3-dichloropropene	1	U
Dibromochloromethane	1	U
Ethylbenzene	1	U
Methylene chloride	5.2	BG*
Tetrachloroethene	1	U
Toluene	1	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	1	U
Trichloroethene	1	U
Vinyl chloride	1	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.1	U
alpha-BHC	0.1	U
Aroclor-1016	1	U
Aroclor-1221	1	U
Aroclor-1232	1	U
Aroclor-1242	1	U
Aroclor-1248	1	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.1	U
Chlordane	0.5	U
delta-BHC	0.1	U
Dieldrin	0.1	U
Endosulfan I	0.1	U

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PARAMETER	RESULT	QUAL
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin aldehyde	0.1	U
gamma-BHC (lindane)	0.1	U
Heptachlor	0.1	U
Heptachlor epoxide	0.1	U
Toxaphene	1	U
I1KWM-04 KWM-04		**GM**
INORGANICS		
Antimony	200	U
Arsenic	6	
Beryllium	10	U
Cadmium	10	U
Chromium	30	U
Copper	20	
Cyanide	300	U
Lead	5	U
Mercury	46	
Nickel	30	U
Selenium	5	U
Silver	50	U
Thallium	50	U
Zinc	10	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	1	U
1,2-dichlorobenzene	1	U
1,2-diphenylhydrazine	1	U
1,3-dichlorobenzene	1	U
1,4-dichlorobenzene	1	U
2,4,6-trichlorophenol	1	U
2,4-dichlorophenol	1	U
2,4-dimethylphenol	1	U
2,4-dinitrophenol	5	U
2,4-dinitrotoluene	1	U
2,6-dinitrotoluene	1	U
2-chloronaphthalene	1	U
2-chlorophenol	1	U
2-methyl-4,6-dinitrophenol	5	U
2-nitrophenol	1	U
3,3'-dichlorobenzidine	1	U
4-bromophenyl phenyl ether	1	U
4-chloro-3-methylphenol	1	U
4-chlorophenyl phenyl ether	1	U
4-nitrophenol	5	U
Acenaphthene	1	U
Acenaphthylene	1	U
Anthracene	1	U
Benzidine	1	U
Benzo(a)anthracene	1	U

PARAMETER	RESULT	QUAL
Benzo(a)pyrene	1	U
Benzo(b)fluoranthene	1	U
Benzo(g,h,i)perylene	1	U
Benzo(k)fluoranthene	1	U
Bis(2-chloroethoxy)methane	1	U
Bis(2-chloroethyl)ether	1	U
Bis(2-ethylhexyl)phthalate	1	U
Butyl benzyl phthalate	1	U
Chrysene	1	U
Di-n-butyl phthalate	1	U
Di-n-octyl phthalate	1	U
Dibenzo(a,h)anthracene	1	U
Diethyl phthalate	1	U
Dimethyl phthalate	1	U
Fluoranthene	1	U
Fluorene	1	U
Hexachlorobenzene	1	U
Hexachlorobutadiene	1	U
Hexachlorocyclopentadiene	1	U
Hexachloroethane	1	U
Indeno(1,2,3-cd)pyrene	1	U
Isophorone	1	U
N-nitroso-di-n-propylamine	1	U
N-nitrosodimethylamine	1	U
N-nitrosodiphenylamine	1	U
Naphthalene	1	U
Nitrobenzene	1	U
Pentachlorophenol	5	U
Phenanthrene	1	U
Phenol	1	U
Pyrene	1	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	1	U
1,1,2,2-tetrachloroethane	1	U
1,1,2-trichloroethane	1	U
1,1-dichloroethane	1	U
1,1-dichloroethene	1	U
1,2-dichloroethane	1	U
1,2-dichloropropane	1	U
2-chloroethyl vinyl ether	1	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	1	U
Bis(2-chloroisopropyl)ether	1	U
Bromodichloromethane	1	U
Bromoform	1	U
Bromomethane	1	U
Carbon tetrachloride	1	U
Chlorobenzene	1	U
Chloroethane	1	U

PARAMETER	RESULT	QUAL
Chloroform	1	U
Chloromethane	1	U
Cis-1,3-dichloropropene	1	U
Dibromochloromethane	1	U
Ethylbenzene	1	U
Methylene chloride	3.6	BG*
Tetrachloroethene	1	U
Toluene	1	U
Trans-1,2-dichloroethene	18	
Trans-1,3-dichloropropene	1	U
Trichloroethene	14	
Vinyl chloride	1	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.1	U
alpha-BHC	0.1	U
Aroclor-1016	1	U
Aroclor-1221	1	U
Aroclor-1232	1	U
Aroclor-1242	1	U
Aroclor-1248	1	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.1	U
Chlordane	0.5	U
delta-BHC	0.1	U
Dieldrin	0.1	U
Endosulfan I	0.1	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin aldehyde	0.1	U
gamma-BHC (lindane)	0.1	U
Heptachlor	0.1	U
Heptachlor epoxide	0.1	U
Toxaphene	1	U
I1KWM-01 KWM-01		**IT(1991)**
INORGANICS		
Aluminum	162	B
Antimony	30	U
Arsenic	30	U
Barium	45.1	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	48.8	

PARAMETER	RESULT	QUAL
Cyanide	10	U
Iron	258	E
Lead	47.2	
Manganese	8.4	B
Mercury	0.2	U
Nickel	20	U
Selenium	4	UW
Silver	5	U
Thallium	30	U
Vanadium	10	U
Zinc	26.9	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	50	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	50	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	20	U
3-nitroaniline	50	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	50	U
4-nitrophenol	50	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	50	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U

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PARAMETER	RESULT	QUAL
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	50	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U

PARAMETER	RESULT	QUAL
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	2	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Methoxychlor	0.5	U
Toxaphene	1	U
I1KWM-02 KWM-02		IT(1991)
INORGANICS		
Aluminum	12800	
Antimony	427	
Arsenic	30	U
Barium	566	
Beryllium	1	U
Cadmium	22.2	
Chromium	142	
Cobalt	20	U

PARAMETER	RESULT	QUAL
Copper	3360	
Iron	89500	E
Lead	4140	
Manganese	1360	
Mercury	2.4	
Nickel	88.2	
Selenium	20	UW
Silver	50	U
Thallium	30	U
Vanadium	96.8	
Zinc	7320	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	52	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	52	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	52	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	52	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	21	U
3-nitroaniline	52	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	52	U
4-nitrophenol	52	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	52	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U

PARAMETER	RESULT	QUAL
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	52	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U

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PARAMETER	RESULT	QUAL
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	1	BJ
Styrene	5	U
Tetrachloroethene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.11	U
4,4'-DDE	0.11	U
4,4'-DDT	0.11	U
Aldrin	0.053	U
alpha-BHC	0.053	U
alpha-chlordane	0.53	U
Aroclor-1016	0.53	U
Aroclor-1221	0.53	U
Aroclor-1232	0.53	U
Aroclor-1242	0.53	U
Aroclor-1248	0.53	U
Aroclor-1254	1.1	U
Aroclor-1260	1.1	U
beta-BHC	0.053	U
delta-BHC	0.053	U
Dieldrin	0.11	U
Endosulfan I	0.053	U
Endosulfan II	0.11	U
Endosulfan sulfate	0.11	U
Endrin	0.11	U
Endrin ketone	0.11	U
gamma-BHC (lindane)	0.053	U
gamma-chlordane	0.53	U
Heptachlor	0.053	U
Heptachlor epoxide	0.053	U
Methoxychlor	0.53	U
Toxaphene	1.1	U
I1KWM-03 KWM-03		IT(1991)
INORGANICS		
Aluminum	2120	
Antimony	95.2	
Arsenic	30	U
Barium	73.8	B
Beryllium	1	U
Cadmium	5	U
Chromium	33.2	
Cobalt	20	U
Copper	136	
Cyanide	10	U

PARAMETER	RESULT	QUAL
Iron	3790	E
Lead	219	
Manganese	41.7	
Mercury	0.95	
Nickel	25.9	B
Selenium	10	UW
Silver	25	U
Thallium	30	U
Vanadium	63.3	
Zinc	432	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	11	U
1,2-dichlorobenzene	11	U
1,3-dichlorobenzene	11	U
1,4-dichlorobenzene	11	U
2,4,5-trichlorophenol	56	U
2,4,6-trichlorophenol	11	U
2,4-dichlorophenol	11	U
2,4-dimethylphenol	11	U
2,4-dinitrophenol	56	U
2,4-dinitrotoluene	11	U
2,6-dinitrotoluene	11	U
2-chloronaphthalene	11	U
2-chlorophenol	11	U
2-methyl-4,6-dinitrophenol	56	U
2-methylnaphthalene	11	U
2-methylphenol	11	U
2-nitroaniline	56	U
2-nitrophenol	11	U
3,3'-dichlorobenzidine	22	U
3-nitroaniline	56	U
4-bromophenyl phenyl ether	11	U
4-chloro-3-methylphenol	11	U
4-chloroaniline	11	U
4-chlorophenyl phenyl ether	11	U
4-methylphenol	11	U
4-nitroaniline	56	U
4-nitrophenol	56	U
Acenaphthene	11	U
Acenaphthylene	11	U
Anthracene	11	U
Benzo(a)anthracene	11	U
Benzo(a)pyrene	11	U
Benzo(b)fluoranthene	11	U
Benzo(g,h,i)perylene	11	U
Benzo(k)fluoranthene	11	U
Benzoic acid	56	U
Benzyl alcohol	11	U
Bis(2-chloroethoxy)methane	11	U
Bis(2-chloroethyl)ether	11	U

PARAMETER	RESULT	QUAL
Bis(2-ethylhexyl)phthalate	11	U
Butyl benzyl phthalate	11	U
Chrysene	11	U
Di-n-butyl phthalate	11	U
Di-n-octyl phthalate	11	U
Dibenzo(a,h)anthracene	11	U
Dibenzofuran	11	U
Diethyl phthalate	11	U
Dimethyl phthalate	11	U
Fluoranthene	11	U
Fluorene	11	U
Hexachlorobenzene	11	U
Hexachlorobutadiene	11	U
Hexachlorocyclopentadiene	11	U
Hexachloroethane	11	U
Indeno(1,2,3-cd)pyrene	11	U
Isophorone	11	U
N-nitroso-di-n-propylamine	11	U
N-nitrosodiphenylamine	11	U
Naphthalene	11	U
Nitrobenzene	11	U
Pentachlorophenol	56	U
Phenanthrene	11	U
Phenol	11	U
Pyrene	11	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	11	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U

PARAMETER	RESULT	QUAL
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	5	U
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Methoxychlor	0.5	U
Toxaphene	1	U
I1KWM-04 KWM-04-AVG		IT(1991)
INORGANICS		
Aluminum	3865	
Antimony	30	U
Arsenic	30	U
Barium	93.5	B
Beryllium	1	U
Cadmium	5	U
Chromium	61.15	
Cobalt	20	U
Copper	54.2	B

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PARAMETER	RESULT	QUAL
Cyanide	10	U
Iron	1916.5	E
Lead	50.55	
Manganese	53.1	
Mercury	0.2	U
Nickel	20	U
Selenium	15	UW
Silver	25	U
Thallium	30	U
Vanadium	40.75	B
Zinc	136.6	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	52	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	52	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	52	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	52	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	21	U
3-nitroaniline	52	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	52	U
4-nitrophenol	52	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	52	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U

PARAMETER	RESULT	QUAL
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	52	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U

PARAMETER	RESULT	QUAL
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	1	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	1	J
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.105	U
4,4'-DDE	0.105	U
4,4'-DDT	0.105	U
Aldrin	0.0535	U
alpha-BHC	0.0535	U
alpha-chlordane	0.535	U
Aroclor-1016	0.535	U
Aroclor-1221	0.535	U
Aroclor-1232	0.535	U
Aroclor-1242	0.535	U
Aroclor-1248	0.535	U
Aroclor-1254	1.05	U
Aroclor-1260	1.05	U
beta-BHC	0.0535	U
delta-BHC	0.0535	U
Dieldrin	0.105	U
Endosulfan I	0.0535	U
Endosulfan II	0.105	U
Endosulfan sulfate	0.105	U
Endrin	0.105	U
Endrin ketone	0.105	U
gamma-BHC (lindane)	0.0535	U
gamma-chlordane	0.535	U
Heptachlor	0.0535	U
Heptachlor epoxide	0.0535	U
Methoxychlor	0.535	U
Toxaphene	1.05	U
I1MW1-1 MW1-1		IT(1991)
INORGANICS		
Aluminum	5870	
Antimony	30	U
Arsenic	30	U
Barium	227	E
Beryllium	1	U
Cadmium	5	U
Chromium	92.2	
Cobalt	20	U

PARAMETER	RESULT	QUAL
Copper	64.5	
Iron	5100	E
Lead	57.1	
Manganese	134	
Mercury	0.2	U
Nickel	20	U
Selenium	10	UW
Silver	50	U
Thallium	20	UW
Vanadium	55.4	
Zinc	171	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	11	U
1,2-dichlorobenzene	11	U
1,3-dichlorobenzene	11	U
1,4-dichlorobenzene	11	U
2,4,5-trichlorophenol	53	U
2,4,6-trichlorophenol	11	U
2,4-dichlorophenol	11	U
2,4-dimethylphenol	11	U
2,4-dinitrophenol	53	U
2,4-dinitrotoluene	11	U
2,6-dinitrotoluene	11	U
2-chloronaphthalene	11	U
2-chlorophenol	11	U
2-methyl-4,6-dinitrophenol	53	U
2-methylnaphthalene	11	U
2-methylphenol	11	U
2-nitroaniline	53	U
2-nitrophenol	11	U
3,3'-dichlorobenzidine	21	U
3-nitroaniline	53	U
4-bromophenyl phenyl ether	11	U
4-chloro-3-methylphenol	11	U
4-chloroaniline	11	U
4-chlorophenyl phenyl ether	11	U
4-methylphenol	11	U
4-nitroaniline	53	U
4-nitrophenol	53	U
Acenaphthene	11	U
Acenaphthylene	11	U
Anthracene	11	U
Benzo(a)anthracene	11	U
Benzo(a)pyrene	11	U
Benzo(b)fluoranthene	11	U
Benzo(g,h,i)perylene	11	U
Benzo(k)fluoranthene	11	U
Benzoic acid	53	U
Benzyl alcohol	11	U
Bis(2-chloroethoxy)methane	11	U

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PARAMETER	RESULT	QUAL
Bis(2-chloroethyl)ether	11	U
Bis(2-ethylhexyl)phthalate	11	U
Butyl benzyl phthalate	11	U
Chrysene	11	U
Di-n-butyl phthalate	11	U
Di-n-octyl phthalate	11	U
Dibenzo(a,h)anthracene	11	U
Dibenzofuran	11	U
Diethyl phthalate	11	U
Dimethyl phthalate	11	U
Fluoranthene	11	U
Fluorene	11	U
Hexachlorobenzene	11	U
Hexachlorobutadiene	11	U
Hexachlorocyclopentadiene	11	U
Hexachloroethane	11	U
Indeno(1,2,3-cd)pyrene	11	U
Isophorone	11	U
N-nitroso-di-n-propylamine	11	U
N-nitrosodiphenylamine	11	U
Naphthalene	11	U
Nitrobenzene	11	U
Pentachlorophenol	53	U
Phenanthrene	11	U
Phenol	11	U
Pyrene	11	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	11	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U

PARAMETER	RESULT	QUAL
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	2	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.051	U
alpha-BHC	0.051	U
alpha-chlordane	0.51	U
Aroclor-1016	0.51	U
Aroclor-1221	0.51	U
Aroclor-1232	0.51	U
Aroclor-1242	0.51	U
Aroclor-1248	0.51	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.051	U
delta-BHC	0.051	U
Dieldrin	0.1	U
Endosulfan I	0.051	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.051	U
gamma-chlordane	0.51	U
Heptachlor	0.051	U
Heptachlor epoxide	0.051	U
Methoxychlor	0.51	U
Toxaphene	1	U
I1MW1-2 MW1-2		IT(1991)
INORGANICS		
Aluminum	34900	
Antimony	557	
Arsenic	62.2	
Barium	1380	E
Beryllium	1	U
Cadmium	54.5	
Chromium	351	
Cobalt	43.7	B

PARAMETER	RESULT	QUAL
Copper	9520	
Cyanide	10	U
Iron	155000	E
Lead	5700	
Manganese	2940	
Mercury	16.2	
Nickel	303	
Selenium	10	UW
Silver	250	U
Thallium	20	UW
Vanadium	116	
Zinc	15200	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	12	U
1,2-dichlorobenzene	12	U
1,3-dichlorobenzene	12	U
1,4-dichlorobenzene	12	U
2,4,5-trichlorophenol	58	U
2,4,6-trichlorophenol	12	U
2,4-dichlorophenol	12	U
2,4-dimethylphenol	12	U
2,4-dinitrophenol	58	U
2,4-dinitrotoluene	12	U
2,6-dinitrotoluene	12	U
2-chloronaphthalene	12	U
2-chlorophenol	12	U
2-methyl-4,6-dinitrophenol	58	U
2-methylnaphthalene	12	U
2-methylphenol	12	U
2-nitroaniline	58	U
2-nitrophenol	12	U
3,3'-dichlorobenzidine	23	U
3-nitroaniline	58	U
4-bromophenyl phenyl ether	12	U
4-chloro-3-methylphenol	12	U
4-chloroaniline	12	U
4-chlorophenyl phenyl ether	12	U
4-methylphenol	12	U
4-nitroaniline	58	U
4-nitrophenol	58	U
Acenaphthene	12	U
Acenaphthylene	12	U
Anthracene	12	U
Benzo(a)anthracene	12	U
Benzo(a)pyrene	12	U
Benzo(b)fluoranthene	12	U
Benzo(g,h,i)perylene	12	U
Benzo(k)fluoranthene	12	U
Benzoic acid	58	U
Benzyl alcohol	12	U

PARAMETER	RESULT	QUAL
Bis(2-chloroethoxy)methane	12	U
Bis(2-chloroethyl)ether	12	U
Bis(2-ethylhexyl)phthalate	12	U
Butyl benzyl phthalate	12	U
Chrysene	12	U
Di-n-butyl phthalate	12	U
Di-n-octyl phthalate	12	U
Dibenzo(a,h)anthracene	12	U
Dibenzofuran	12	U
Diethyl phthalate	12	U
Dimethyl phthalate	12	U
Fluoranthene	12	U
Fluorene	12	U
Hexachlorobenzene	12	U
Hexachlorobutadiene	12	U
Hexachlorocyclopentadiene	12	U
Hexachloroethane	12	U
Indeno(1,2,3-cd)pyrene	12	U
Isophorone	12	U
N-nitroso-di-n-propylamine	12	U
N-nitrosodiphenylamine	12	U
Naphthalene	12	U
Nitrobenzene	12	U
Pentachlorophenol	58	U
Phenanthrene	12	U
Phenol	12	U
Pyrene	12	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	4	J
Benzene	5	U
Bis(2-chloroisopropyl)ether	12	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U

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PARAMETER	RESULT	QUAL
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	2	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.051	U
alpha-BHC	0.051	U
alpha-chlordane	0.98	DJ
Aroclor-1016	0.51	U
Aroclor-1221	0.51	U
Aroclor-1232	0.51	U
Aroclor-1242	0.51	U
Aroclor-1248	0.51	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.051	U
delta-BHC	0.051	U
Dieldrin	0.1	U
Endosulfan I	0.051	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.051	U
gamma-chlordane	1.1	DJ
Heptachlor	0.051	U
Heptachlor epoxide	0.051	U
Methoxychlor	0.51	U
Toxaphene	1	U
I1MW1-3 MW1-3		**IT(1991)**
INORGANICS		
Aluminum	46500	
Antimony	313	
Arsenic	46.6	
Barium	1310	E
Beryllium	1	U
Cadmium	33.2	
Chromium	657	

PARAMETER	RESULT	QUAL
Cobalt	31.9	B
Copper	10200	
Cyanide	10	U
Iron	81000	E
Lead	4360	
Manganese	921	
Mercury	11.1	
Nickel	277	
Selenium	20	UW
Silver	250	U
Thallium	20	UW
Vanadium	114	
Zinc	10400	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	52	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	52	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	52	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	52	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	21	U
3-nitroaniline	52	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	52	U
4-nitrophenol	52	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	52	U

PARAMETER	RESULT	QUAL
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	52	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	2	J
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	1	BJ
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U

PARAMETER	RESULT	QUAL
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	1	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.051	U
alpha-BHC	0.051	U
alpha-chlordane	0.51	U
Aroclor-1016	0.51	U
Aroclor-1221	0.51	U
Aroclor-1232	0.51	U
Aroclor-1242	0.51	U
Aroclor-1248	0.51	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.051	U
delta-BHC	0.051	U
Dieldrin	0.1	U
Endosulfan I	0.051	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.051	U
gamma-chlordane	0.51	U
Heptachlor	0.051	U
Heptachlor epoxide	0.051	U
Methoxychlor	0.51	U
Toxaphene	1	U
I1KWM-01 AS1278		**IT(1994)**
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
Aroclor-1016	0.6	U

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PARAMETER	RESULT	QUAL
Aroclor-1221	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I1KWM-02 AS1273 IT(1994)		
INORGANICS		
Antimony	190	
Arsenic	3.6	B
Barium	63.2	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	27.2	
Lead	13.2	
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	12.8	B
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
Aroclor-1016	0.6	U
Aroclor-1221	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U

PARAMETER	RESULT	QUAL
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I1KWM-03 AS1270 IT(1994)		
INORGANICS		
Antimony	170	
Arsenic	4.9	B
Barium	37	B
Beryllium	1	U
Cadmium	5	U
Chromium	21.7	
Cobalt	20	U
Copper	37.1	
Lead	98.6	
Mercury	0.24	
Nickel	20	U
Selenium	10	U
Silver	5	U
Thallium	4	U
Tin	30	U
Vanadium	24.4	B
Zinc	120	
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
Aroclor-1016	0.6	U
Aroclor-1221	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlordane	0.1	U

PARAMETER	RESULT	QUAL
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I1MW-1 AS1280 IT(1994)		
INORGANICS		
Antimony	103	
Arsenic	5.8	B
Barium	75.4	B
Beryllium	1	U
Cadmium	5	U
Chromium	51.3	
Cobalt	20	U
Copper	332	
Lead	300	
Mercury	2.4	
Nickel	200	U
Selenium	10	U
Silver	5	U
Thallium	2	U
Tin	30	U
Vanadium	16.2	B
Zinc	424	
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
Aroclor-1016	0.6	U
Aroclor-1221	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U

PARAMETER	RESULT	QUAL
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I1MW-3 AS1279 IT(1994)		
INORGANICS		
Antimony	199	
Arsenic	17.2	
Barium	277	
Beryllium	1.2	B
Cadmium	5	U
Chromium	113	
Cobalt	20	U
Copper	714	
Lead	774	
Mercury	4.1	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	
Vanadium	67.9	
Zinc	525	
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
Aroclor-1016	0.6	U
Aroclor-1221	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.06	UE
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.08	U*

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PARAMETER	RESULT	QUAL
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I1MW-5 AS1277 IT(1994)		
INORGANICS		
Antimony	563	
Arsenic	61.2	
Barium	496	
Beryllium	1	U
Cadmium	42.3	
Chromium	394	
Cobalt	48.1	B
Copper	3570	
Lead	2170	
Mercury	14.6	
Nickel	196	
Selenium	20	U
Silver	22	
Thallium	20	U
Tin	340	
Vanadium	100	
Zinc	11300	
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
Aroclor-1016	0.6	U
Aroclor-1221	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U

PARAMETER	RESULT	QUAL
I1MW1-1 AS1271 IT(1994)		
INORGANICS		
Antimony	71.9	
Arsenic	8	U
Barium	147	B
Beryllium	1.2	B
Cadmium	5	U
Chromium	75.7	
Cobalt	20	U
Copper	26.2	
Lead	142	
Mercury	0.21	
Nickel	20	U
Selenium	10	U
Silver	5	U
Thallium	8	U
Tin	30	U
Vanadium	29.5	B
Zinc	74.2	
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
Aroclor-1016	0.6	U
Aroclor-1221	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	UE
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I1MW1-2 AS1275 IT(1994)		
INORGANICS		
Aluminum	376	
Antimony	173	

PARAMETER	RESULT	QUAL
Arsenic	9.1	B
Barium	64.3	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	208	
Iron	9210	
Lead	282	
Manganese	657	
Mercury	0.34	
Nickel	20	U
Selenium	10	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	606	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	50	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	50	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	20	U
3-nitroaniline	50	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	50	U
4-nitrophenol	50	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U

PARAMETER	RESULT	QUAL
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	50	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	50	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U

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PARAMETER	RESULT	QUAL
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	2	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.11	
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	2.1	DJ
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	1.4	D
delta-BHC	0.05	U
Dieldrin	0.1	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	1.3	DJ
Heptachlor	0.05	U
Heptachlor epoxide	0.65	D
Methoxychlor	0.5	U
Toxaphene	1	U
I1MW1-3 AS1272 IT(1994)		
INORGANICS		
Antimony	151	

PARAMETER	RESULT	QUAL
Arsenic	2	U
Barium	69.9	B
Beryllium	1	U
Cadmium	5	U
Chromium	11.4	
Cobalt	20	U
Copper	462	
Lead	90.1	
Mercury	0.58	
Nickel	20	U
Selenium	2	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	324	
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
Aroclor-1016	0.6	U
Aroclor-1221	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I1KWM-01 I1KWM-01 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	10.3	J
Arsenic	5.3	U
Barium	41.5	J
Beryllium	0.2	U

PARAMETER	RESULT	QUAL
Cadmium	0.4	UJ
Chromium	3.1	U
Cobalt	2.9	
Copper	11.5	J
Iron	4	U
Lead	7	U
Manganese	8.8	J
Mercury	0.14	
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	UJ
Vanadium	4.1	J
Zinc	2	UJ
PESTICIDES/PCBs		
2,4,5-T	0.1	U
2,4,5-TP (silvex)	0.1	U
2,4-D	0.1	U
4,4'-DDD	0.04	UJ
4,4'-DDE	0.04	U
4,4'-DDT	0.04	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U
Chlordane	0.25	U
delta-BHC	0.02	U
Dieldrin	0.011	J
Endosulfan I	0.02	U
Endosulfan II	0.04	U
Endosulfan sulfate	0.04	U
Endrin	0.04	U
Endrin aldehyde	0.04	U
gamma-BHC (lindane)	0.02	U
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.05	U
Parathion	0.05	U
Phorate	0.05	U
Toxaphene	1	U
I1KWM-02 I1KWM-02 B&RE		
INORGANICS		
Aluminum	28	U

PARAMETER	RESULT	QUAL
Antimony	4	U
Arsenic	4	U
Barium	38.2	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U
Iron	30.1	U
Lead	4.5	U
Manganese	31.3	
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	7.5	U
Vanadium	2	U
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.098	U
2,4,5-TP (silvex)	0.098	U
2,4-D	0.098	U
4,4'-DDD	0.042	U
4,4'-DDE	0.042	U
4,4'-DDT	0.042	U
Aldrin	0.021	U
alpha-BHC	0.021	U
Aroclor-1016	0.13	U
Aroclor-1221	0.13	U
Aroclor-1232	0.13	U
Aroclor-1242	0.13	U
Aroclor-1248	0.13	U
Aroclor-1254	0.13	U
Aroclor-1260	0.13	U
beta-BHC	0.021	U
Chlordane	0.26	U
delta-BHC	0.021	U
Dieldrin	0.042	U
Endosulfan I	0.013	J
Endosulfan II	0.042	U
Endosulfan sulfate	0.042	U
Endrin	0.042	U
Endrin aldehyde	0.042	U
gamma-BHC (lindane)	0.087	J
Heptachlor	0.021	U
Heptachlor epoxide	0.021	U
Methoxychlor	0.21	U
Methyl parathion	0.052	U
Parathion	0.052	U

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PARAMETER	RESULT	QUAL
Phorate	0.052	U
Toxaphene	1	U
I1KWM-03 I1KWM-03		**B&RE**
INORGANICS		
Aluminum	28	U
Antimony	4	U
Arsenic	4	U
Barium	12.1	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U
Iron	80.5	
Lead	3	U
Manganese	3.4	
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	5.7	U
Vanadium	15.7	
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.099	U
2,4,5-TP (silvex)	0.099	U
2,4-D	0.099	U
4,4'-DDD	0.04	U
4,4'-DDE	0.04	U
4,4'-DDT	0.04	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U
Chlordane	0.25	U
delta-BHC	0.02	U
Dieldrin	0.04	U
Endosulfan I	0.02	U
Endosulfan II	0.04	U
Endosulfan sulfate	0.04	U
Endrin	0.04	U
Endrin aldehyde	0.04	U
gamma-BHC (lindane)	0.015	J

PARAMETER	RESULT	QUAL
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.05	U
Parathion	0.05	U
Phorate	0.05	U
Toxaphene	0.99	U
I1MW-1 I1MW-1-AVG		**B&RE**
INORGANICS		
Aluminum	28	U
Antimony	22.2	
Arsenic	-4	U
Barium	43.15	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	5.85	U
Cobalt	2	U
Copper	60.45	
Cyanide	1.4	U
Iron	184.1	
Lead	5	U
Manganese	2	U
Mercury	0.1	U
Nickel	7	
Selenium	4	U
Silver	2.3	U
Thallium	4.85	U
Vanadium	2.3	
Zinc	56.2	
PESTICIDES/PCBs		
2,4,5-T	0.099	U
2,4,5-TP (silvex)	0.099	U
2,4-D	0.099	U
4,4'-DDD	0.0395	U
4,4'-DDE	0.0395	U
4,4'-DDT	0.0395	U
Aldrin	0.02	U
alpha-BHC	0.0125	J
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U
Chlordane	0.245	U
delta-BHC	0.02	U
Dieldrin	0.0215	J
Endosulfan I	0.0145	J

PARAMETER	RESULT	QUAL
Endosulfan II	0.0395	U
Endosulfan sulfate	0.0395	U
Endrin	0.0395	U
Endrin aldehyde	0.0395	U
gamma-BHC (lindane)	0.02	U
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.0495	U
Parathion	0.0495	U
Phorate	0.0495	U
Toxaphene	0.985	U
I1MW-3 I1MW-3		**B&RE**
INORGANICS		
Aluminum	28	U
Antimony	5.6	
Arsenic	4	U
Barium	40.3	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	12.6	
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U
Iron	51.4	
Lead	3	U
Manganese	137	
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	6	U
Vanadium	2	
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.099	U
2,4,5-TP (silvex)	0.099	U
2,4-D	0.099	U
4,4'-DDD	0.039	U
4,4'-DDE	0.039	U
4,4'-DDT	0.039	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U

PARAMETER	RESULT	QUAL
beta-BHC	0.02	U
Chlordane	0.24	U
delta-BHC	0.02	U
Dieldrin	0.039	U
Endosulfan I	0.013	J
Endosulfan II	0.039	U
Endosulfan sulfate	0.039	U
Endrin	0.039	U
Endrin aldehyde	0.039	U
gamma-BHC (lindane)	0.02	U
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.049	U
Parathion	0.049	U
Phorate	0.049	U
Toxaphene	0.98	U
I1MW-5 I1MW-5		**B&RE**
INORGANICS		
Aluminum	28	U
Antimony	4	U
Arsenic	4.3	U
Barium	36.3	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2.4	U
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U
Iron	4	U
Lead	3	U
Manganese	25.7	
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	7.5	U
Vanadium	2	U
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.098	U
2,4,5-TP (silvex)	0.098	U
2,4-D	0.098	U
4,4'-DDD	0.041	U
4,4'-DDE	0.041	U
4,4'-DDT	0.041	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.13	U
Aroclor-1221	0.13	U

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PARAMETER	RESULT	QUAL
Aroclor-1232	0.13	U
Aroclor-1242	0.13	U
Aroclor-1248	0.13	U
Aroclor-1254	0.13	U
Aroclor-1260	0.13	U
beta-BHC	0.02	U
Chlordane	0.26	U
delta-BHC	0.02	U
Dieldrin	0.023	J
Endosulfan I	0.02	J
Endosulfan II	0.041	U
Endosulfan sulfate	0.041	U
Endrin	0.041	U
Endrin aldehyde	0.041	U
gamma-BHC (lindane)	0.16	J
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.051	U
Parathion	0.051	U
Phorate	0.051	U
Toxaphene	1	U
I1MW1-1 I1MW1-1 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	44.3	
Arsenic	4	U
Barium	14.6	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	9.6	U
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U
Iron	4	U
Lead	4	U
Manganese	28.7	
Mercury	0.1	U
Nickel	4	U
Selenium	54.6	
Silver	2	U
Thallium	4	U
Vanadium	9.3	
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.1	U
2,4,5-TP (silvex)	0.1	U
2,4-D	0.1	U
4,4'-DDD	0.04	U
4,4'-DDE	0.04	U

PARAMETER	RESULT	QUAL
4,4'-DDT	0.04	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U
Chlordane	0.25	U
delta-BHC	0.02	U
Dieldrin	0.022	J
Endosulfan I	0.02	U
Endosulfan II	0.04	U
Endosulfan sulfate	0.027	J
Endrin	0.04	U
Endrin aldehyde	0.04	U
gamma-BHC (lindane)	0.02	U
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.05	U
Parathion	0.05	U
Phorate	0.05	U
Toxaphene	1	U
I1MW1-2 I1MW1-2 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	4	U
Arsenic	4	U
Barium	50.4	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2.1	U
Cobalt	2	U
Copper	16.8	U
Cyanide	1.4	U
Iron	62.4	
Lead	3	U
Manganese	5.5	
Mercury	0.1	U
Nickel	4	U
Selenium	4.7	
Silver	2.2	U
Thallium	8.1	U
Vanadium	2	U
Zinc	52.2	
PESTICIDES/PCBs		

PARAMETER	RESULT	QUAL
2,4,5-T	0.096	U
2,4,5-TP (silvex)	0.096	U
2,4-D	0.096	U
4,4'-DDD	1.3	J
4,4'-DDE	2	U
4,4'-DDT	2	U
Aldrin	0.99	U
alpha-BHC	0.99	U
Aroclor-1016	6.2	U
Aroclor-1221	6.2	U
Aroclor-1232	6.2	U
Aroclor-1242	6.2	U
Aroclor-1248	6.2	U
Aroclor-1254	6.2	U
Aroclor-1260	6.2	U
beta-BHC	0.99	U
Chlordane	57.9	
delta-BHC	0.99	U
Dieldrin	2	U
Endosulfan I	5.9	J
Endosulfan II	2	U
Endosulfan sulfate	2	U
Endrin	2	U
Endrin aldehyde	2	U
gamma-BHC (lindane)	0.99	U
Heptachlor	1	
Heptachlor epoxide	0.99	U
Methoxychlor	9.9	U
Methyl parathion	2.5	U
Parathion	2.5	U
Phorate	2.5	U
Toxaphene	49.5	U
I1MW1-3 I1MW1-3 B&RE		
INORGANICS		
Aluminum	155	U
Antimony	9.1	
Arsenic	4	U
Barium	64.6	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	6.5	U
Cobalt	2	U
Copper	88.4	
Cyanide	1.4	U
Iron	391	
Lead	18.9	
Manganese	2	U
Mercury	0.43	
Nickel	10.2	
Selenium	4	U

PARAMETER	RESULT	QUAL
Silver	3.9	U
Thallium	5.1	U
Vanadium	2	U
Zinc	96.2	
PESTICIDES/PCBs		
2,4,5-T	0.1	U
2,4,5-TP (silvex)	0.1	U
2,4-D	0.1	U
4,4'-DDD	0.04	U
4,4'-DDE	0.04	U
4,4'-DDT	0.04	U
Aldrin	0.02	U
alpha-BHC	0.015	J
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U
Chlordane	0.25	U
delta-BHC	0.02	U
Dieldrin	0.04	U
Endosulfan I	0.011	J
Endosulfan II	0.04	U
Endosulfan sulfate	0.04	U
Endrin	0.04	U
Endrin aldehyde	0.04	U
gamma-BHC (lindane)	0.024	
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.05	U
Parathion	0.05	U
Phorate	0.05	U
Toxaphene	0.99	U
IR 3		
I3MW3-1 MW3-1 IT(1991)		
INORGANICS		
Aluminum	711	
Antimony	30	U
Arsenic	5.6	B
Barium	41.2	B
Beryllium	1	U
Cadmium	11.4	
Chromium	10	U
Cobalt	20	U
Copper	25.4	
Cyanide	10	U

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PARAMETER	RESULT	QUAL
Iron	425	
Lead	8.4	
Manganese	5.6	BE
Mercury	0.2	U
Nickel	20	U
Selenium	8	UW
Silver	5	U
Thallium	2	UW
Vanadium	10	U
Zinc	336	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	52	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	52	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	52	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	52	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	21	U
3-nitroaniline	52	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	52	U
4-nitrophenol	52	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	52	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U

PARAMETER	RESULT	QUAL
Bis(2-ethylhexyl)phthalate	4	J
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	52	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	2	J
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	6	J
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U

PARAMETER	RESULT	QUAL
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	1	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	2.1	D
4,4'-DDE	0.11	U
4,4'-DDT	0.11	U
Aldrin	0.056	U
alpha-BHC	0.056	U
alpha-chlordane	0.56	U
Aroclor-1016	0.56	U
Aroclor-1221	0.56	U
Aroclor-1232	0.56	U
Aroclor-1242	0.56	U
Aroclor-1248	0.56	U
Aroclor-1254	1.1	U
Aroclor-1260	1.1	U
beta-BHC	1	D
delta-BHC	0.056	U
Dieldrin	0.47	
Endosulfan I	0.056	U
Endosulfan II	0.11	U
Endosulfan sulfate	0.11	U
Endrin	0.11	U
Endrin ketone	0.11	U
gamma-BHC (lindane)	0.056	U
gamma-chlordane	0.56	U
Heptachlor	0.056	U
Heptachlor epoxide	0.056	U
Methoxychlor	0.56	U
Toxaphene	1.1	U
I3MW3-2 MW3-2		IT(1991)
INORGANICS		
Aluminum	64.6	B
Antimony	30	U
Arsenic	20.4	
Barium	19.6	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U

PARAMETER	RESULT	QUAL
Cyanide	10	U
Iron	895	
Lead	5.6	
Manganese	5.8	BE
Mercury	0.2	U
Nickel	20	U
Selenium	8	U
Silver	7.6	B
Thallium	2	UW
Vanadium	10	U
Zinc	46.1	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	52	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	52	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	52	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	52	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	21	U
3-nitroaniline	52	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	52	U
4-nitrophenol	52	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	52	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U

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PARAMETER	RESULT	QUAL
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	52	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	6	J
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U

PARAMETER	RESULT	QUAL
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	2	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.77	
4,4'-DDE	0.22	U
4,4'-DDT	0.22	U
Aldrin	0.11	U
alpha-BHC	0.11	U
alpha-chlordane	1.1	U
Aroclor-1016	1.1	U
Aroclor-1221	1.1	U
Aroclor-1232	1.1	U
Aroclor-1242	1.1	U
Aroclor-1248	1.1	U
Aroclor-1254	2.2	U
Aroclor-1260	2.2	U
beta-BHC	7	D
delta-BHC	0.11	U
Dieldrin	1.7	DJ
Endosulfan I	0.11	U
Endosulfan II	0.22	U
Endosulfan sulfate	0.22	U
Endrin	0.22	U
Endrin ketone	0.22	U
gamma-BHC (lindane)	0.11	U
gamma-chlordane	1.1	U
Heptachlor	0.11	U
Heptachlor epoxide	0.14	
Methoxychlor	1.1	U
Toxaphene	2.2	U
I3MW3-3 MW3-3		**IT(1991)**
INORGANICS		
Aluminum	961	
Antimony	30	U
Arsenic	16.1	
Barium	35.8	B
Beryllium	1	U
Cadmium	13.6	
Chromium	10	U
Cobalt	20	U

PARAMETER	RESULT	QUAL
Copper	15.7	B
Cyanide	10	U
Iron	540	
Lead	15.8	
Manganese	9.6	BE
Mercury	0.22	
Nickel	20	U
Selenium	10	UW
Silver	5	U
Thallium	2	UW
Vanadium	10	U
Zinc	357	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	52	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	52	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	52	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	52	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	21	U
3-nitroaniline	52	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	52	U
4-nitrophenol	52	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	52	U
Benzyl alcohol	10	U

PARAMETER	RESULT	QUAL
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	52	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	1	J
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	4	J
Chloroethane	10	U
Chloroform	5	U

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PARAMETER	RESULT	QUAL
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	1	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.95	DJ
4,4'-DDE	0.19	
4,4'-DDT	0.21	
Aldrin	0.056	U
alpha-BHC	0.11	
alpha-chlordane	0.56	U
Aroclor-1016	0.56	U
Aroclor-1221	0.56	U
Aroclor-1232	0.56	U
Aroclor-1242	0.56	U
Aroclor-1248	0.56	U
Aroclor-1254	1.1	U
Aroclor-1260	1.1	U
beta-BHC	0.91	D
delta-BHC	1.4	D
Dieldrin	1.6	D
Endosulfan I	0.056	U
Endosulfan II	0.11	U
Endosulfan sulfate	0.11	U
Endrin	0.11	U
Endrin ketone	0.11	U
gamma-BHC (lindane)	0.056	U
gamma-chlordane	0.56	U
Heptachlor	0.56	U
Heptachlor epoxide	0.56	U
Methoxychlor	0.56	U
Toxaphene	1.1	U
I3MW-1 AS1080 IT(1994)		
INORGANICS		
Aluminum	2830	
Antimony	83.2	
Arsenic	11.1	
Barium	47.4	B
Beryllium	1	U
Cadmium	5	U
Chromium	16.3	

PARAMETER	RESULT	QUAL
Cobalt	20	U
Copper	10	U
Cyanide	100	U
Iron	805	
Lead	26.9	
Manganese	12.6	B
Mercury	0.27	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	2	U
Tin	30	U
Vanadium	10	U
Zinc	61.4	
PESTICIDES/PCBs		
4,4'-DDE	0.27	
4,4'-DDT	0.16	
beta-BHC	0.15	
delta-BHC	0.87	
Dieldrin	1.2	
I3MW-2 AS1095 IT(1994)		
INORGANICS		
Antimony	30	U
Arsenic	10.1	S
Barium	39.3	B
Beryllium	1	U
Cadmium	5	U
Chromium	21	
Cobalt	20	U
Copper	10	U
Lead	17.7	S
Mercury	0.2	U
Nickel	20	U
Selenium	2	UW
Silver	5	U
Thallium	2	U
Tin	30	U
Vanadium	10	U
Zinc	38.7	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.082	U
Benzo(a)anthracene	0.082	U
Benzo(a)pyrene	0.082	U
Benzo(b)fluoranthene	0.082	U
Benzo(g,h,i)perylene	0.082	U

PARAMETER	RESULT	QUAL
Benzo(k)fluoranthene	0.082	U
Chrysene	0.082	U
Dibenzo(a,h)anthracene	0.082	U
Fluoranthene	0.082	U
Fluorene	0.082	U
Indeno(1,2,3-cd)pyrene	0.082	U
Naphthalene	0.1	U
Phenanthrene	0.082	U
Pyrene	0.082	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U

PARAMETER	RESULT	QUAL
4,4'-DDE	0.17	C
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
Aroclor-1016	0.6	U
Aroclor-1221	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I3MW3-1 AS1083 IT(1994)		
INORGANICS		
Antimony	43.7	B
Arsenic	30.8	
Barium	44.3	B
Beryllium	1	U
Cadmium	5	U
Chromium	22.2	
Cobalt	20	U
Copper	10	U
Lead	9.7	
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	2	U
Tin	31.3	B
Vanadium	10	U
Zinc	12.8	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U

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PARAMETER	RESULT	QUAL
Anthracene	0.082	U
Benzo(a)anthracene	0.082	U
Benzo(a)pyrene	0.082	U
Benzo(b)fluoranthene	0.082	U
Benzo(g,h,i)perylene	0.082	U
Benzo(k)fluoranthene	0.082	U
Chrysene	0.082	U
Dibenzo(a,h)anthracene	0.082	U
Fluoranthene	0.082	U
Fluorene	0.082	U
Indeno(1,2,3-cd)pyrene	0.082	U
Naphthalene	0.1	U
Phenanthrene	0.082	U
Pyrene	0.082	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U

PARAMETER	RESULT	QUAL
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I3MW3-1 AS1560 IT(1994)		
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
Aroclor-1016	0.6	U
Aroclor-1221	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.12	C
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I3MW3-2 AS1093 IT(1994)		
INORGANICS		
Antimony	49.9	B
Arsenic	2.8	BW
Barium	10.8	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	2	UW
Mercury	0.2	U
Nickel	20	U
Selenium	2	UW
Silver	5	U
Thallium	2	U
Tin	30	U
Vanadium	10	U
Zinc	16.4	B

PARAMETER	RESULT	QUAL
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.12	U
Acenaphthylene	0.12	U
Anthracene	0.093	U
Benzo(a)anthracene	0.093	U
Benzo(a)pyrene	0.64	U*
Benzo(b)fluoranthene	0.093	U
Benzo(g,h,i)perylene	0.093	U
Benzo(k)fluoranthene	0.093	U
Chrysene	0.093	U
Dibenzo(a,h)anthracene	0.093	U
Fluoranthene	0.093	U
Fluorene	0.093	U
Indeno(1,2,3-cd)pyrene	0.093	U
Naphthalene	0.12	U
Phenanthrene	0.1	U*
Pyrene	0.093	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U

PARAMETER	RESULT	QUAL
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	2.7	C
4,4'-DDE	0.84	C
4,4'-DDT	0.5	C
Aldrin	0.05	U
alpha-BHC	0.05	U
Aroclor-1016	0.8	U**
Aroclor-1221	0.8	U*
Aroclor-1232	0.8	U**
Aroclor-1242	0.8	U**
Aroclor-1248	0.8	U**
Aroclor-1254	4	U**
Aroclor-1260	1	U
beta-BHC	0.7	C
Chlordane	1.9	+
delta-BHC	0.1	U
Dieldrin	0.84	C
Endosulfan I	0.4	U**
Endosulfan II	2.6	U**
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I3MW3-3 AS1081/82-AVG IT(1994)		
INORGANICS		
Aluminum	424	
Antimony	37.6	B
Arsenic	36.5	B
Barium	26.2	B
Beryllium	1	U
Cadmium	5	U
Chromium	14.35	
Cobalt	20	U
Copper	10	U
Cyanide	100	U
Iron	430.5	
Lead	13.45	

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PARAMETER	RESULT	QUAL
Manganese	3.4	B
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	2	U
Tin	30	U
Vanadium	10	U
Zinc	14.6	B
PESTICIDES/PCBs		
4,4'-DDD	0.3	
alpha-BHC	0.071	
beta-BHC	0.58	
delta-BHC	1.5	
Dieldrin	1.2	
I3MW-3 I3MW-3 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	4	U
Arsenic	6.2	U
Barium	21.8	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	5.7	U
Cyanide	1.4	U
Iron	4	U
Lead	3	U
Manganese	2	U
Mercury	0.12	
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	4.8	
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.096	U
2,4,5-TP (silvex)	0.096	U
2,4-D	0.096	U
4,4'-DDD	0.08	U
4,4'-DDE	0.08	U
4,4'-DDT	0.08	U
Aldrin	0.04	U
alpha-BHC	0.04	U
Aroclor-1016	0.25	U
Aroclor-1221	0.25	U
Aroclor-1232	0.25	U
Aroclor-1242	0.25	U

PARAMETER	RESULT	QUAL
Aroclor-1248	0.25	U
Aroclor-1254	0.25	U
Aroclor-1260	0.25	U
beta-BHC	0.04	U
Chlordane	0.5	U
delta-BHC	0.04	U
Dieldrin	0.08	U
Endosulfan I	0.04	U
Endosulfan II	0.08	U
Endosulfan sulfate	0.08	U
Endrin	0.08	U
Endrin aldehyde	0.08	U
gamma-BHC (lindane)	0.04	U
Heptachlor	0.04	U
Heptachlor epoxide	0.04	U
Methoxychlor	0.4	U
Methyl parathion	0.1	U
Parathion	0.1	U
Phorate	0.1	U
Toxaphene	2	U
I3MW-4 I3MW-4-AVG B&RE		
INORGANICS		
Aluminum	33.75	U
Antimony	4	UJ
Arsenic	4	U
Barium	9.5	U
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Iron	28.55	U
Lead	3	U
Manganese	2	U
Mercury	0.1	U
Nickel	4	U
Selenium	4	UJ
Silver	2	U
Thallium	4	U
Vanadium	3.15	
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.096	U
2,4,5-TP (silvex)	0.096	U
2,4-D	0.096	U
4,4'-DDD	0.08	U
4,4'-DDE	0.08	U
4,4'-DDT	0.08	U
Aldrin	0.04	U
alpha-BHC	0.04	U

PARAMETER	RESULT	QUAL
Aroclor-1016	0.25	U
Aroclor-1221	0.25	U
Aroclor-1232	0.25	U
Aroclor-1242	0.25	U
Aroclor-1248	0.25	U
Aroclor-1254	0.25	U
Aroclor-1260	0.25	U
beta-BHC	0.04	U
Chlordane	0.5	U
delta-BHC	0.04	U
Dieldrin	0.08	U
Endosulfan I	0.04	U
Endosulfan II	0.08	U
Endosulfan sulfate	0.08	U
Endrin	0.08	U
Endrin aldehyde	0.08	U
gamma-BHC (lindane)	0.04	U
Heptachlor	0.04	U
Heptachlor epoxide	0.04	U
Methoxychlor	0.4	U
Methyl parathion	0.1	U
Parathion	0.1	U
Phorate	0.1	U
Toxaphene	2	U
I3MW-5 I3MW-5 B&RE		
INORGANICS		
Aluminum	38.1	U
Antimony	4	UJ
Arsenic	4	U
Barium	7.5	U
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2.1	U
Cobalt	2	U
Copper	4	U
Iron	27.3	U
Lead	3.7	
Manganese	2	U
Mercury	0.43	U
Nickel	4	U
Selenium	4	UJ
Silver	2	U
Thallium	4	U
Vanadium	2.4	
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.1	U
2,4,5-TP (silvex)	0.1	U
2,4-D	0.1	U
4,4'-DDD	0.08	U

PARAMETER	RESULT	QUAL
4,4'-DDE	0.08	U
4,4'-DDT	0.08	U
Aldrin	0.04	U
alpha-BHC	0.04	U
Aroclor-1016	0.25	U
Aroclor-1221	0.25	U
Aroclor-1232	0.25	U
Aroclor-1242	0.25	U
Aroclor-1248	0.25	U
Aroclor-1254	0.25	U
Aroclor-1260	0.25	U
beta-BHC	0.04	U
Chlordane	0.5	U
delta-BHC	0.04	U
Dieldrin	0.08	U
Endosulfan I	0.04	U
Endosulfan II	0.08	U
Endosulfan sulfate	0.08	U
Endrin	0.08	U
Endrin aldehyde	0.08	U
gamma-BHC (lindane)	0.04	U
Heptachlor	0.04	U
Heptachlor epoxide	0.04	U
Methoxychlor	0.4	U
Methyl parathion	0.1	U
Parathion	0.1	U
Phorate	0.1	U
Toxaphene	2	U
I3MW-7 I3MW-7 B&RE		
INORGANICS		
Aluminum	31.3	U
Antimony	4	UJ
Arsenic	4	U
Barium	6	U
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	26.8	U
Iron	41.5	U
Lead	3	U
Manganese	2	U
Mercury	0.3	U
Nickel	4	U
Selenium	4	UJ
Silver	2	U
Thallium	4	U
Vanadium	13.9	
Zinc	110	

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PARAMETER	RESULT	QUAL
PESTICIDES/PCBs		
2,4,5-T	0.099	U
2,4,5-TP (silvex)	0.099	U
2,4-D	0.099	U
4,4'-DDD	0.08	U
4,4'-DDE	0.08	U
4,4'-DDT	0.08	U
Aldrin	0.04	U
alpha-BHC	0.04	U
Aroclor-1016	0.25	U
Aroclor-1221	0.25	U
Aroclor-1232	0.25	U
Aroclor-1242	0.25	U
Aroclor-1248	0.25	U
Aroclor-1254	0.25	U
Aroclor-1260	0.25	U
beta-BHC	0.04	U
Chlordane	0.5	U
delta-BHC	0.04	U
Dieldrin	0.08	U
Endosulfan I	0.04	U
Endosulfan II	0.08	U
Endosulfan sulfate	0.08	U
Endrin	0.08	U
Endrin aldehyde	0.08	U
gamma-BHC (lindane)	0.04	U
Heptachlor	0.04	U
Heptachlor epoxide	0.04	U
Methoxychlor	0.4	U
Methyl parathion	0.1	U
Parathion	0.1	U
Phorate	0.1	U
Toxaphene	2	U

IR 7

I7KWM-09	KWM-09	GM
INORGANICS		
Antimony	200	U
Arsenic	6	
Beryllium	10	U
Cadmium	10	U
Chromium	30	U
Copper	50	
Cyanide	300	U
Lead	5	U
Mercury	57	
Nickel	30	U
Selenium	5	U
Silver	50	U
Thallium	50	U
Zinc	10	U

PARAMETER	RESULT	QUAL
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	1	U
1,2-dichlorobenzene	1	U
1,2-diphenylhydrazine	1	U
1,3-dichlorobenzene	1	U
1,4-dichlorobenzene	1	U
2,4,6-trichlorophenol	1	U
2,4-dichlorophenol	1	U
2,4-dimethylphenol	1	U
2,4-dinitrophenol	5	U
2,4-dinitrotoluene	1	U
2,6-dinitrotoluene	1	U
2-chloronaphthalene	1	U
2-chlorophenol	1	U
2-methyl-4,6-dinitrophenol	5	U
2-nitrophenol	1	U
3,3'-dichlorobenzidine	1	U
4-bromophenyl phenyl ether	1	U
4-chloro-3-methylphenol	1	U
4-chlorophenyl phenyl ether	1	U
4-nitrophenol	5	U
Acenaphthene	1	U
Acenaphthylene	1	U
Anthracene	1	U
Benzidine	1	U
Benzo(a)anthracene	1	U
Benzo(a)pyrene	1	U
Benzo(b)fluoranthene	1	U
Benzo(g,h,i)perylene	1	U
Benzo(k)fluoranthene	1	U
Bis(2-chloroethoxy)methane	1	U
Bis(2-chloroethyl)ether	1	U
Bis(2-ethylhexyl)phthalate	1	U
Butyl benzyl phthalate	1	U
Chrysene	1	U
Di-n-butyl phthalate	1	U
Di-n-octyl phthalate	1	U
Dibenzo(a,h)anthracene	1	U
Diethyl phthalate	1.1	
Dimethyl phthalate	1	U
Fluoranthene	1	U
Fluorene	1	U
Hexachlorobenzene	1	U
Hexachlorobutadiene	1	U
Hexachlorocyclopentadiene	1	U
Hexachloroethane	1	U
Indeno(1,2,3-cd)pyrene	1	U
Isophorone	1	U
N-nitroso-di-n-propylamine	1	U
N-nitrosodimethylamine	1	U

PARAMETER	RESULT	QUAL
N-nitrosodiphenylamine	1	U
Naphthalene	1	U
Nitrobenzene	1	U
Pentachlorophenol	5	U
Phenanthrene	1	U
Phenol	1	U
Pyrene	1	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	1	U
1,1,2-trichloroethane	1	U
1,1-dichloroethane	1	U
1,1-dichloroethene	1	U
1,2-dichloroethane	1	U
1,2-dichloropropane	1	U
2-chloroethyl vinyl ether	1	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	1	U
Bis(2-chloroisopropyl)ether	1	U
Bromodichloromethane	1	U
Bromoform	1	U
Bromomethane	1	U
Carbon tetrachloride	1	U
Chlorobenzene	1	U
Chloroethane	1	U
Chloroform	1	U
Chloromethane	1	U
Cis-1,3-dichloropropene	1	U
Dibromochloromethane	1	U
Ethylbenzene	1	U
Methylene chloride	4.7	BG*
Tetrachloroethene	1	U
Toluene	1	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	1	U
Trichloroethene	1	U
Vinyl chloride	1	U
Xylenes, total	1	U

I7KWM-10	KWM-10	GM
INORGANICS		
Antimony	200	U
Arsenic	6	U
Beryllium	10	U
Cadmium	10	U
Chromium	30	U
Copper	60	
Cyanide	300	U
Lead	5	U
Mercury	57	
Nickel	30	U

PARAMETER	RESULT	QUAL
Selenium	5	U
Silver	50	U
Thallium	50	U
Zinc	10	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	1	U
1,2-dichlorobenzene	1	U
1,2-diphenylhydrazine	1	U
1,3-dichlorobenzene	1	U
1,4-dichlorobenzene	1	U
2,4,6-trichlorophenol	1	U
2,4-dichlorophenol	1	U
2,4-dimethylphenol	1	U
2,4-dinitrophenol	5	U
2,4-dinitrotoluene	1	U
2,6-dinitrotoluene	1	U
2-chloronaphthalene	1	U
2-chlorophenol	1	U
2-methyl-4,6-dinitrophenol	5	U
2-nitrophenol	1	U
3,3'-dichlorobenzidine	1	U
4-bromophenyl phenyl ether	1	U
4-chloro-3-methylphenol	1	U
4-chlorophenyl phenyl ether	1	U
4-nitrophenol	5	U
Acenaphthene	1	U
Acenaphthylene	1	U
Anthracene	1	U
Benzidine	1	U
Benzo(a)anthracene	1	U
Benzo(a)pyrene	1	U
Benzo(b)fluoranthene	1	U
Benzo(g,h,i)perylene	1	U
Benzo(k)fluoranthene	1	U
Bis(2-chloroethoxy)methane	1	U
Bis(2-chloroethyl)ether	1	U
Bis(2-ethylhexyl)phthalate	1	U
Butyl benzyl phthalate	1	U
Chrysene	1	U
Di-n-butyl phthalate	1	U
Di-n-octyl phthalate	1	U
Dibenzo(a,h)anthracene	1	U
Diethyl phthalate	1	U
Dimethyl phthalate	1	U
Fluoranthene	1	U
Fluorene	1	U
Hexachlorobenzene	1	U
Hexachlorobutadiene	1	U
Hexachlorocyclopentadiene	1	U
Hexachloroethane	1	U

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PARAMETER	RESULT	QUAL
Indeno(1,2,3-cd)pyrene	1	U
Isophorone	1	U
N-nitroso-di-n-propylamine	1	U
N-nitrosodimethylamine	1	U
N-nitrosodiphenylamine	1	U
Naphthalene	1	U
Nitrobenzene	1	U
Pentachlorophenol	5	U
Phenanthrene	1	U
Phenol	1	U
Pyrene	1	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	1	U
1,1,2,2-tetrachloroethane	1	U
1,1,2-trichloroethane	1	U
1,1-dichloroethane	1	U
1,1-dichloroethene	1	U
1,2-dichloroethane	1	U
1,2-dichloropropane	1	U
2-chloroethyl vinyl ether	1	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	1	U
Bis(2-chloroisopropyl)ether	1	U
Bromodichloromethane	1.1	
Bromoform	1	U
Bromomethane	1	U
Carbon tetrachloride	1	U
Chlorobenzene	1	U
Chloroethane	1	U
Chloroform	1	U
Chloromethane	1	U
Cis-1,3-dichloropropene	1	U
Dibromochloromethane	2.3	
Ethylbenzene	1	U
Methylene chloride	6.8	BG*
Tetrachloroethene	1	U
Toluene	1	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	1	U
Trichloroethene	1	U
Vinyl chloride	1	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.1	U
alpha-BHC	0.1	U
Aroclor-1016	1	U

PARAMETER	RESULT	QUAL
Aroclor-1221	1	U
Aroclor-1232	1	U
Aroclor-1242	1	U
Aroclor-1248	1	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.1	U
Chlordane	0.5	U
delta-BHC	0.1	U
Dieldrin	0.1	U
Endosulfan I	0.1	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin aldehyde	0.1	U
gamma-BHC (lindane)	0.1	U
Heptachlor	0.1	U
Heptachlor epoxide	0.1	U
Toxaphene	1	U
I7KWM-11 KWM-11		**GM**
INORGANICS		
Antimony	200	U
Arsenic	7	
Beryllium	10	U
Cadmium	10	U
Chromium	30	U
Copper	70	
Cyanide	300	U
Lead	5	U
Mercury	62	
Nickel	30	U
Selenium	5	U
Silver	50	U
Thallium	50	U
Zinc	10	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	1	U
1,2-dichlorobenzene	1	U
1,2-diphenylhydrazine	1	U
1,3-dichlorobenzene	1	U
1,4-dichlorobenzene	1	U
2,4,6-trichlorophenol	1	U
2,4-dichlorophenol	1	U
2,4-dimethylphenol	1	U
2,4-dinitrophenol	5	U
2,4-dinitrotoluene	1	U
2,6-dinitrotoluene	1	U
2-chloronaphthalene	1	U
2-chlorophenol	1	U
2-methyl-4,6-dinitrophenol	5	U

PARAMETER	RESULT	QUAL
2-nitrophenol	1	U
3,3'-dichlorobenzidine	1	U
4-bromophenyl phenyl ether	1	U
4-chloro-3-methylphenol	1	U
4-chlorophenyl phenyl ether	1	U
4-nitrophenol	5	U
Acenaphthene	1	U
Acenaphthylene	1	U
Anthracene	1	U
Benzidine	1	U
Benzo(a)anthracene	1	U
Benzo(a)pyrene	1	U
Benzo(b)fluoranthene	1	U
Benzo(g,h,i)perylene	1	U
Benzo(k)fluoranthene	1	U
Bis(2-chloroethoxy)methane	1	U
Bis(2-chloroethyl)ether	1	U
Bis(2-ethylhexyl)phthalate	1	U
Butyl benzyl phthalate	1	U
Chrysene	1	U
Di-n-butyl phthalate	1	U
Di-n-octyl phthalate	1	U
Dibenzo(a,h)anthracene	1	U
Diethyl phthalate	1	U
Dimethyl phthalate	1	U
Fluoranthene	1	U
Fluorene	1	U
Hexachlorobenzene	1	U
Hexachlorobutadiene	1	U
Hexachlorocyclopentadiene	1	U
Hexachloroethane	1	U
Indeno(1,2,3-cd)pyrene	1	U
Isophorone	1	U
N-nitroso-di-n-propylamine	1	U
N-nitrosodimethylamine	1	U
N-nitrosodiphenylamine	1	U
Naphthalene	1	U
Nitrobenzene	1	U
Pentachlorophenol	5	U
Phenanthrene	1	U
Phenol	1	U
Pyrene	1	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	1	U
1,1,2,2-tetrachloroethane	1	U
1,1,2-trichloroethane	1	U
1,1-dichloroethane	1	U
1,1-dichloroethene	1	U
1,2-dichloroethane	1	U
1,2-dichloropropane	1	U

PARAMETER	RESULT	QUAL
2-chloroethyl vinyl ether	1	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	1	U
Bis(2-chloroisopropyl)ether	1	U
Bromodichloromethane	2	
Bromoform	4	
Bromomethane	1	U
Carbon tetrachloride	1	U
Chlorobenzene	1	U
Chloroethane	1	U
Chloroform	0.8	J
Chloromethane	1	U
Cis-1,3-dichloropropene	1	U
Dibromochloromethane	4.4	
Ethylbenzene	1	U
Methylene chloride	3.1	BG*
Tetrachloroethene	1	U
Toluene	1	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	1	U
Trichloroethene	1	U
Vinyl chloride	1	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.1	U
alpha-BHC	0.1	U
Aroclor-1016	1	U
Aroclor-1221	1	U
Aroclor-1232	1	U
Aroclor-1242	1	U
Aroclor-1248	1	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.1	U
Chlordane	0.5	U
delta-BHC	0.1	U
Dieldrin	0.1	U
Endosulfan I	0.1	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin aldehyde	0.1	U
gamma-BHC (lindane)	0.1	U
Heptachlor	0.1	U
Heptachlor epoxide	0.1	U
Toxaphene	1	U

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PARAMETER	RESULT	QUAL
I7KWM-12 KWM-12 GM		
INORGANICS		
Antimony	200	U
Arsenic	6	
Beryllium	10	U
Cadmium	10	U
Chromium	30	U
Copper	50	
Cyanide	300	U
Lead	5	U
Mercury	46	
Nickel	30	U
Selenium	5	U
Silver	50	U
Thallium	50	U
Zinc	10	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	1	U
1,2-dichlorobenzene	1	U
1,2-diphenylhydrazine	1	U
1,3-dichlorobenzene	1	U
1,4-dichlorobenzene	1	U
2,4,6-trichlorophenol	1	U
2,4-dichlorophenol	1	U
2,4-dimethylphenol	1	U
2,4-dinitrophenol	5	U
2,4-dinitrotoluene	1	U
2,6-dinitrotoluene	1	U
2-chloronaphthalene	1	U
2-chlorophenol	1	U
2-methyl-4,6-dinitrophenol	5	U
2-nitrophenol	1	U
3,3'-dichlorobenzidine	1	U
4-bromophenyl phenyl ether	1	U
4-chloro-3-methylphenol	1	U
4-chlorophenyl phenyl ether	1	U
4-nitrophenol	5	U
Acenaphthene	1	U
Acenaphthylene	1	U
Anthracene	1	U
Benzidine	1	U
Benzo(a)anthracene	1	U
Benzo(a)pyrene	1	U
Benzo(b)fluoranthene	1	U
Benzo(g,h,i)perylene	1	U
Benzo(k)fluoranthene	1	U
Bis(2-chloroethoxy)methane	1	U
Bis(2-chloroethyl)ether	1	U
Bis(2-ethylhexyl)phthalate	1	U
Butyl benzyl phthalate	1	U

PARAMETER	RESULT	QUAL
Chrysene	1	U
Di-n-butyl phthalate	1	U
Di-n-octyl phthalate	1	U
Dibenzo(a,h)anthracene	1	U
Diethyl phthalate	1	U
Dimethyl phthalate	1	U
Fluoranthene	1	U
Fluorene	1	U
Hexachlorobenzene	1	U
Hexachlorobutadiene	1	U
Hexachlorocyclopentadiene	1	U
Hexachloroethane	1	U
Indeno(1,2,3-cd)pyrene	1	U
Isophorone	1	U
N-nitroso-di-n-propylamine	1	U
N-nitrosodimethylamine	1	U
N-nitrosodiphenylamine	1	U
Naphthalene	1	U
Nitrobenzene	1	U
Pentachlorophenol	5	U
Phenanthrene	1	U
Phenol	1	U
Pyrene	1	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	1	U
1,1,2,2-tetrachloroethane	1	U
1,1,2-trichloroethane	1	U
1,1-dichloroethane	1	U
1,1-dichloroethene	1	U
1,2-dichloroethane	1	U
1,2-dichloropropane	1	U
2-chloroethyl vinyl ether	1	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	1	U
Bis(2-chloroisopropyl)ether	1	U
Bromodichloromethane	1	U
Bromoform	1	U
Bromomethane	1	U
Carbon tetrachloride	1	U
Chlorobenzene	1	U
Chloroethane	1	U
Chloroform	1	U
Chloromethane	1	U
Cis-1,3-dichloropropene	1	U
Dibromochloromethane	1	U
Ethylbenzene	1	U
Methylene chloride	4.9	BG*
Tetrachloroethene	1	U
Toluene	1.2	

PARAMETER	RESULT	QUAL
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	1	U
Trichloroethene	1	U
Vinyl chloride	1	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.1	U
alpha-BHC	0.1	U
Aroclor-1016	1	U
Aroclor-1221	1	U
Aroclor-1232	1	U
Aroclor-1242	1	U
Aroclor-1248	1	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.1	U
Chlordane	0.5	U
delta-BHC	0.1	U
Dieldrin	0.1	U
Endosulfan I	0.1	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin aldehyde	0.1	U
gamma-BHC (lindane)	0.1	U
Heptachlor	0.1	U
Heptachlor epoxide	0.1	U
Toxaphene	1	U
I7KWM-09 KWM-09 IT(1991)		
INORGANICS		
Aluminum	6470	
Antimony	30	U
Arsenic	30	U
Barium	155	B
Beryllium	1	U
Cadmium	5	U
Chromium	22.9	
Cobalt	20	U
Copper	315	
Cyanide	10	U
Iron	14600	
Lead	125	
Manganese	165	
Mercury	0.73	
Nickel	20	U
Selenium	10	UW
Silver	5	U

PARAMETER	RESULT	QUAL
Thallium	30	U
Vanadium	17.9	B
Zinc	380	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	50	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	50	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	20	U
3-nitroaniline	50	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	50	U
4-nitrophenol	50	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	50	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	4	BJ
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U

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PARAMETER	RESULT	QUAL
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	50	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	2	J
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	1	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U

PARAMETER	RESULT	QUAL
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.11	U
4,4'-DDE	0.11	U
4,4'-DDT	0.11	U
Aldrin	0.056	U
alpha-BHC	0.056	U
alpha-chlordane	0.56	U
Aroclor-1016	0.56	U
Aroclor-1221	0.56	U
Aroclor-1232	0.56	U
Aroclor-1242	0.56	U
Aroclor-1248	0.56	U
Aroclor-1254	1.1	U
Aroclor-1260	1.1	U
beta-BHC	0.056	U
delta-BHC	0.056	U
Dieldrin	0.11	U
Endosulfan I	0.056	U
Endosulfan II	0.11	U
Endosulfan sulfate	0.11	U
Endrin	0.11	U
Endrin ketone	0.11	U
gamma-BHC (lindane)	0.056	U
gamma-chlordane	0.56	U
Heptachlor	0.056	U
Heptachlor epoxide	0.056	U
Methoxychlor	0.56	U
Toxaphene	1.1	U
I7KWM-11 KWM-11		**IT(1991)**
INORGANICS		
Aluminum	1930	
Antimony	30	U
Arsenic	30	U
Barium	47.4	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	154	
Cyanide	10	U
Iron	21600	E
Lead	462	
Manganese	56.9	
Mercury	0.46	
Nickel	34.9	B
Selenium	20	UW

PARAMETER	RESULT	QUAL
Silver	5	U
Thallium	30	U
Vanadium	10	U
Zinc	344	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	50	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	50	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	20	U
3-nitroaniline	50	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	50	U
4-nitrophenol	50	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	50	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U

PARAMETER	RESULT	QUAL
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	50	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	6	J
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	5	U
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U

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PARAMETER	RESULT	QUAL
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Methoxychlor	0.5	U
Toxaphene	1	U
I7KWM-12 KWM-12		**IT(1991)**
INORGANICS		
Aluminum	5930	
Antimony	116	
Arsenic	30	U
Barium	247	
Beryllium	1	U
Cadmium	5	U
Chromium	28.8	
Cobalt	20	U
Copper	215	
Cyanide	10	U
Iron	32300	E
Lead	718	
Manganese	106	
Mercury	1.3	
Nickel	31.1	B

PARAMETER	RESULT	QUAL
Selenium	20	UW
Silver	5	U
Thallium	30	U
Vanadium	19.4	B
Zinc	3950	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	11	U
1,2-dichlorobenzene	11	U
1,3-dichlorobenzene	11	U
1,4-dichlorobenzene	11	U
2,4,5-trichlorophenol	53	U
2,4,6-trichlorophenol	11	U
2,4-dichlorophenol	11	U
2,4-dimethylphenol	11	U
2,4-dinitrophenol	53	U
2,4-dinitrotoluene	11	U
2,6-dinitrotoluene	11	U
2-chloronaphthalene	11	U
2-chlorophenol	11	U
2-methyl-4,6-dinitrophenol	53	U
2-methylnaphthalene	11	U
2-methylphenol	11	U
2-nitroaniline	53	U
2-nitrophenol	11	U
3,3'-dichlorobenzidine	21	U
3-nitroaniline	53	U
4-bromophenyl phenyl ether	11	U
4-chloro-3-methylphenol	11	U
4-chloroaniline	11	U
4-chlorophenyl phenyl ether	11	U
4-methylphenol	11	U
4-nitroaniline	53	U
4-nitrophenol	53	U
Acenaphthene	11	U
Acenaphthylene	11	U
Anthracene	11	U
Benzo(a)anthracene	11	U
Benzo(a)pyrene	11	U
Benzo(b)fluoranthene	11	U
Benzo(g,h,i)perylene	11	U
Benzo(k)fluoranthene	11	U
Benzoic acid	53	U
Benzyl alcohol	11	U
Bis(2-chloroethoxy)methane	11	U
Bis(2-chloroethyl)ether	11	U
Bis(2-ethylhexyl)phthalate	11	U
Butyl benzyl phthalate	11	U
Chrysene	11	U
Di-n-butyl phthalate	11	U
Di-n-octyl phthalate	11	U

PARAMETER	RESULT	QUAL
Dibenzo(a,h)anthracene	11	U
Dibenzofuran	11	U
Diethyl phthalate	11	U
Dimethyl phthalate	11	U
Fluoranthene	11	U
Fluorene	11	U
Hexachlorobenzene	11	U
Hexachlorobutadiene	11	U
Hexachlorocyclopentadiene	11	U
Hexachloroethane	11	U
Indeno(1,2,3-cd)pyrene	11	U
Isophorone	11	U
N-nitroso-di-n-propylamine	11	U
N-nitrosodiphenylamine	11	U
Naphthalene	11	U
Nitrobenzene	11	U
Pentachlorophenol	53	U
Phenanthrene	11	U
Phenol	11	U
Pyrene	11	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	1	J
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	15	
Benzene	5	U
Bis(2-chloroisopropyl)ether	11	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	1	J
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	5	U
Styrene	5	U
Tetrachloroethene	5	U

PARAMETER	RESULT	QUAL
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.11	U
4,4'-DDE	0.11	U
4,4'-DDT	0.11	U
Aldrin	0.054	U
alpha-BHC	0.054	U
alpha-chlordane	0.54	U
Aroclor-1016	0.54	U
Aroclor-1221	0.54	U
Aroclor-1232	0.54	U
Aroclor-1242	0.54	U
Aroclor-1248	0.54	U
Aroclor-1254	1.1	U
Aroclor-1260	1.1	U
beta-BHC	0.054	U
delta-BHC	0.054	U
Dieldrin	0.11	U
Endosulfan I	0.054	U
Endosulfan II	0.11	U
Endosulfan sulfate	0.11	U
Endrin	0.11	U
Endrin ketone	0.11	U
gamma-BHC (lindane)	0.054	U
gamma-chlordane	0.54	U
Heptachlor	0.054	U
Heptachlor epoxide	0.054	U
Methoxychlor	0.54	U
Toxaphene	1.1	U
I7MW7-1 MW7-1		**IT(1991)**
INORGANICS		
Aluminum	35000	
Antimony	141	
Arsenic	25.4	
Barium	531	
Beryllium	1.3	B
Cadmium	21.7	
Chromium	384	
Cobalt	21.1	B
Copper	958	
Cyanide	10	U
Iron	121000	
Lead	1430	
Manganese	656	E
Mercury	12.4	

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PARAMETER	RESULT	QUAL
Nickel	91.2	
Selenium	10	UE
Silver	25	U
Thallium	20	UE
Vanadium	74.2	
Zinc	2880	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	50	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	50	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	20	U
3-nitroaniline	50	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	50	U
4-nitrophenol	50	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	50	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U

PARAMETER	RESULT	QUAL
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	50	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	4	J
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	1	BJ
Styrene	5	U

PARAMETER	RESULT	QUAL
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.11	U
4,4'-DDE	0.11	U
4,4'-DDT	0.11	U
Aldrin	0.56	U
alpha-BHC	0.56	U
alpha-chlordane	0.56	U
Aroclor-1016	0.56	U
Aroclor-1221	0.56	U
Aroclor-1232	0.56	U
Aroclor-1242	0.56	U
Aroclor-1248	0.56	U
Aroclor-1254	1.1	U
Aroclor-1260	1.1	U
beta-BHC	0.56	U
delta-BHC	0.56	U
Dieldrin	0.11	U
Endosulfan I	0.56	U
Endosulfan II	0.11	U
Endosulfan sulfate	0.11	U
Endrin	0.11	U
Endrin ketone	0.11	U
gamma-BHC (lindane)	0.56	U
gamma-chlordane	0.56	U
Heptachlor	0.56	U
Heptachlor epoxide	0.56	U
Methoxychlor	0.56	U
Toxaphene	1.1	U
I7MW7-2 MW7-2-AVG		IT(1991)
INORGANICS		
Aluminum	271	B
Antimony	30	U
Arsenic	1.65	BW
Barium	51.9	B
Beryllium	1	U
Cadmium	12.35	
Chromium	11.45	
Cobalt	20	U
Copper	54.7	
Cyanide	10	U
Iron	1194.5	
Lead	15.8	
Manganese	2	UE

PARAMETER	RESULT	QUAL
Mercury	0.865	
Nickel	20	U
Selenium	14	UW
Silver	11.8	
Thallium	20	UWE
Vanadium	15	U
Zinc	433	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	51	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	51	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	51	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	51	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	20	U
3-nitroaniline	51	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	51	U
4-nitrophenol	51	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	51	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U

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PARAMETER	RESULT	QUAL
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	51	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	1.75	BJ

PARAMETER	RESULT	QUAL
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.52	U
alpha-BHC	0.52	U
alpha-chlordane	0.52	U
Aroclor-1016	0.52	U
Aroclor-1221	0.52	U
Aroclor-1232	0.52	U
Aroclor-1242	0.52	U
Aroclor-1248	0.52	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.52	U
delta-BHC	0.52	U
Dieldrin	0.1	U
Endosulfan I	0.52	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.52	U
gamma-chlordane	0.52	U
Heptachlor	0.52	U
Heptachlor epoxide	0.52	U
Methoxychlor	0.52	U
Toxaphene	1	U
I7MW7-3 MW7-3		IT(1991)
INORGANICS		
Aluminum	21000	
Antimony	31.8	B
Arsenic	25.6	
Barium	108	B
Beryllium	1.5	B
Cadmium	12	
Chromium	23.8	
Cobalt	20	U
Copper	55.3	
Cyanide	10	U
Iron	10600	
Lead	42.1	

PARAMETER	RESULT	QUAL
Manganese	105	E
Mercury	0.48	
Nickel	20	U
Selenium	2	UW
Silver	25	U
Thallium	20	UW
Vanadium	21.1	B
Zinc	388	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	52	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	52	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	52	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	52	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	21	U
3-nitroaniline	52	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	52	U
4-nitrophenol	52	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	52	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U

PARAMETER	RESULT	QUAL
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	52	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	3	J
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U

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PARAMETER	RESULT	QUAL
Methylene chloride	1	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.052	U
alpha-BHC	0.052	U
alpha-chlordane	0.52	U
Aroclor-1016	0.52	U
Aroclor-1221	0.52	U
Aroclor-1232	0.52	U
Aroclor-1242	0.52	U
Aroclor-1248	0.52	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.052	U
delta-BHC	0.052	U
Dieldrin	0.1	U
Endosulfan I	0.052	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.052	U
gamma-chlordane	0.52	U
Heptachlor	0.052	U
Heptachlor epoxide	0.052	U
Methoxychlor	0.52	U
Toxaphene	1	U
I7MW7-4 MW7-4		**IT(1991)**
INORGANICS		
Aluminum	9980	
Antimony	90.4	
Arsenic	27.3	W
Barium	234	
Beryllium	1	U
Cadmium	14.9	
Chromium	115	
Cobalt	20	U
Copper	680	
Cyanide	10	U
Iron	44600	

PARAMETER	RESULT	QUAL
Lead	746	
Manganese	380	E
Mercury	13.6	
Nickel	51.2	
Selenium	10	UW
Silver	25	U
Thallium	20	UW
Vanadium	43.1	B
Zinc	1630	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	12	U
1,2-dichlorobenzene	12	U
1,3-dichlorobenzene	12	U
1,4-dichlorobenzene	12	U
2,4,5-trichlorophenol	62	U
2,4,6-trichlorophenol	12	U
2,4-dichlorophenol	12	U
2,4-dimethylphenol	12	U
2,4-dinitrophenol	62	U
2,4-dinitrotoluene	12	U
2,6-dinitrotoluene	12	U
2-chloronaphthalene	12	U
2-chlorophenol	12	U
2-methyl-4,6-dinitrophenol	62	U
2-methylnaphthalene	12	U
2-methylphenol	12	U
2-nitroaniline	62	U
2-nitrophenol	12	U
3,3'-dichlorobenzidine	25	U
3-nitroaniline	62	U
4-bromophenyl phenyl ether	12	U
4-chloro-3-methylphenol	12	U
4-chloroaniline	12	U
4-chlorophenyl phenyl ether	12	U
4-methylphenol	12	U
4-nitroaniline	62	U
4-nitrophenol	62	U
Acenaphthene	12	U
Acenaphthylene	12	U
Anthracene	12	U
Benzo(a)anthracene	12	U
Benzo(a)pyrene	12	U
Benzo(b)fluoranthene	12	U
Benzo(g,h,i)perylene	12	U
Benzo(k)fluoranthene	12	U
Benzoic acid	62	U
Benzyl alcohol	12	U
Bis(2-chloroethoxy)methane	12	U
Bis(2-chloroethyl)ether	12	U
Bis(2-ethylhexyl)phthalate	12	U

PARAMETER	RESULT	QUAL
Butyl benzyl phthalate	12	U
Chrysene	12	U
Di-n-butyl phthalate	12	U
Di-n-octyl phthalate	12	U
Dibenzo(a,h)anthracene	12	U
Dibenzofuran	12	U
Diethyl phthalate	12	U
Dimethyl phthalate	12	U
Fluoranthene	12	U
Fluorene	12	U
Hexachlorobenzene	12	U
Hexachlorobutadiene	12	U
Hexachlorocyclopentadiene	12	U
Hexachloroethane	12	U
Indeno(1,2,3-cd)pyrene	12	U
Isophorone	12	U
N-nitroso-di-n-propylamine	12	U
N-nitrosodiphenylamine	12	U
Naphthalene	12	U
Nitrobenzene	12	U
Pentachlorophenol	62	U
Phenanthrene	12	U
Phenol	12	U
Pyrene	12	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	12	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U

PARAMETER	RESULT	QUAL
Ethylbenzene	5	U
Methylene chloride	1	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.052	U
alpha-BHC	0.052	U
alpha-chlordane	0.52	U
Aroclor-1016	0.52	U
Aroclor-1221	0.52	U
Aroclor-1232	0.52	U
Aroclor-1242	0.52	U
Aroclor-1248	0.52	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.052	U
delta-BHC	0.052	U
Dieldrin	0.1	U
Endosulfan I	0.052	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.052	U
gamma-chlordane	0.52	U
Heptachlor	0.052	U
Heptachlor epoxide	0.052	U
Methoxychlor	0.52	U
Toxaphene	1	U
I7MW7-5 MW7-5		**IT(1991)**
INORGANICS		
Aluminum	368	
Antimony	30	U
Arsenic	19.4	
Barium	42.3	B
Beryllium	1	U
Cadmium	10.3	
Chromium	10	U
Cobalt	20	U
Copper	12.7	B
Cyanide	10	U

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PARAMETER	RESULT	QUAL
Iron	3620	
Lead	10.6	
Manganese	109	E
Mercury	0.44	
Nickel	20	U
Selenium	10	UW
Silver	8	B
Thallium	20	UW
Vanadium	10	U
Zinc	290	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	51	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	51	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	51	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	51	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	20	U
3-nitroaniline	51	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	51	U
4-nitrophenol	51	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	51	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U

PARAMETER	RESULT	QUAL
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	51	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	4	J
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U

PARAMETER	RESULT	QUAL
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	1	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.052	U
alpha-BHC	0.052	U
alpha-chlordane	0.52	U
Aroclor-1016	0.52	U
Aroclor-1221	0.52	U
Aroclor-1232	0.52	U
Aroclor-1242	0.52	U
Aroclor-1248	0.52	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.052	U
delta-BHC	0.052	U
Dieldrin	0.1	U
Endosulfan I	0.052	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.052	U
gamma-chlordane	0.52	U
Heptachlor	0.052	U
Heptachlor epoxide	0.052	U
Methoxychlor	0.52	U
Toxaphene	1	U
I7MW7-6 MW7-6		IT(1991)
INORGANICS		
Aluminum	630	
Antimony	30	U
Arsenic	8	U
Barium	75.8	B
Beryllium	1	U
Cadmium	9.2	
Chromium	10	U
Cobalt	20	U
Copper	10	U

PARAMETER	RESULT	QUAL
Cyanide	10	U
Iron	1560	
Lead	29.4	
Manganese	75.6	E
Mercury	0.37	
Nickel	20	U
Selenium	8	UW
Silver	7.9	B
Thallium	20	UW
Vanadium	10	U
Zinc	267	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	12	U
1,2-dichlorobenzene	12	U
1,3-dichlorobenzene	12	U
1,4-dichlorobenzene	12	U
2,4,5-trichlorophenol	58	U
2,4,6-trichlorophenol	12	U
2,4-dichlorophenol	12	U
2,4-dimethylphenol	12	U
2,4-dinitrophenol	58	U
2,4-dinitrotoluene	12	U
2,6-dinitrotoluene	12	U
2-chloronaphthalene	12	U
2-chlorophenol	12	U
2-methyl-4,6-dinitrophenol	58	U
2-methylnaphthalene	12	U
2-methylphenol	12	U
2-nitroaniline	58	U
2-nitrophenol	12	U
3,3'-dichlorobenzidine	23	U
3-nitroaniline	58	U
4-bromophenyl phenyl ether	12	U
4-chloro-3-methylphenol	12	U
4-chloroaniline	12	U
4-chlorophenyl phenyl ether	12	U
4-methylphenol	12	U
4-nitroaniline	58	U
4-nitrophenol	58	U
Acenaphthene	12	U
Acenaphthylene	12	U
Anthracene	12	U
Benzo(a)anthracene	12	U
Benzo(a)pyrene	12	U
Benzo(b)fluoranthene	12	U
Benzo(g,h,i)perylene	12	U
Benzo(k)fluoranthene	12	U
Benzoic acid	58	U
Benzyl alcohol	12	U
Bis(2-chloroethoxy)methane	12	U

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PARAMETER	RESULT	QUAL
Bis(2-chloroethyl)ether	12	U
Bis(2-ethylhexyl)phthalate	12	U
Butyl benzyl phthalate	12	U
Chrysene	12	U
Di-n-butyl phthalate	12	U
Di-n-octyl phthalate	12	U
Dibenzo(a,h)anthracene	12	U
Dibenzofuran	12	U
Diethyl phthalate	12	U
Dimethyl phthalate	12	U
Fluoranthene	12	U
Fluorene	12	U
Hexachlorobenzene	12	U
Hexachlorobutadiene	12	U
Hexachlorocyclopentadiene	12	U
Hexachloroethane	12	U
Indeno(1,2,3-cd)pyrene	12	U
Isophorone	12	U
N-nitroso-di-n-propylamine	12	U
N-nitrosodiphenylamine	12	U
Naphthalene	12	U
Nitrobenzene	12	U
Pentachlorophenol	58	U
Phenanthrene	12	U
Phenol	12	U
Pyrene	12	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	12	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U

PARAMETER	RESULT	QUAL
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	1	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.052	U
alpha-BHC	0.052	U
alpha-chlordane	0.52	U
Aroclor-1016	0.52	U
Aroclor-1221	0.52	U
Aroclor-1232	0.52	U
Aroclor-1242	0.52	U
Aroclor-1248	0.52	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.052	U
delta-BHC	0.052	U
Dieldrin	0.1	U
Endosulfan I	0.052	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.052	U
gamma-chlordane	0.52	U
Heptachlor	0.052	U
Heptachlor epoxide	0.052	U
Methoxychlor	0.52	U
Toxaphene	1	U
I7KWM-09 AS1045 IT(1994)		
INORGANICS		
Antimony	149	
Arsenic	11.8	
Barium	99.4	B
Beryllium	1	U
Cadmium	5	U
Chromium	21	
Cobalt	20	U
Copper	175	
Lead	99.3	

PARAMETER	RESULT	QUAL
Mercury	0.47	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	205	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.085	U*
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.1	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U

PARAMETER	RESULT	QUAL
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	7	UM
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7KWM-11 AS1054 IT(1994)		
INORGANICS		
Antimony	236	
Arsenic	20	U
Barium	41.6	B
Beryllium	1	U
Cadmium	5	U
Chromium	11.2	
Cobalt	20	U
Copper	271	
Lead	714	
Mercury	1.1	
Nickel	106	
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	242	
Vanadium	11.8	B
Zinc	589	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.41	U*

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PARAMETER	RESULT	QUAL
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1;1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7KWM-12 AS1048		**IT(1994)**
INORGANICS		
Antimony	186	
Arsenic	20	U
Barium	69	B

PARAMETER	RESULT	QUAL
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	57.9	
Lead	286	
Mercury	0.51	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	1340	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.24	U*
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.1	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U

PARAMETER	RESULT	QUAL
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7MW-1 AS1059		**IT(1994)**
INORGANICS		
Antimony	260	
Arsenic	4.6	B
Barium	28.3	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	54	
Lead	59.1	
Mercury	0.66	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	108	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U

PARAMETER	RESULT	QUAL
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U

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PARAMETER	RESULT	QUAL
Xylenes, total	1	U
I7MW-10 AS1018		**IT(1994)**
INORGANICS		
Aluminum	1130	
Antimony	208	
Arsenic	8.1	B
Barium	26.7	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	24.4	B
Cyanide	20	
Iron	1600	
Lead	16.7	
Manganese	75.6	
Mercury	0.51	
Nickel	20	U
Selenium	10	U
Silver	5	U
Thallium	6	U
Tin	30	U
Vanadium	10	U
Zinc	75.7	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	50	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	50	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	20	U
3-nitroaniline	50	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U

PARAMETER	RESULT	QUAL
4-nitroaniline	50	U
4-nitrophenol	50	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	50	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	50	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U

PARAMETER	RESULT	QUAL
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	4	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U

PARAMETER	RESULT	QUAL
Heptachlor epoxide	0.05	U
Methoxychlor	0.5	U
Toxaphene	1	U
I7MW-2 AS1058		**IT(1994)**
INORGANICS		
Antimony	464	
Arsenic	57.3	
Barium	260	
Beryllium	1	U
Cadmium	6.1	
Chromium	256	
Cobalt	62.6	
Copper	5560	
Lead	1170	
Mercury	10.3	
Nickel	409	
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	1530	
Vanadium	229	
Zinc	8790	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	1.6	U*
Acenaphthylene	1.6	U*
Anthracene	0.8	U*
Benzo(a)anthracene	0.8	U*
Benzo(a)pyrene	0.8	U*
Benzo(b)fluoranthene	0.8	U*
Benzo(g,h,i)perylene	0.8	U*
Benzo(k)fluoranthene	0.8	U*
Chrysene	0.8	U*
Dibenzo(a,h)anthracene	0.8	U*
Fluoranthene	0.8	U
Fluorene	0.8	U*
Indeno(1,2,3-cd)pyrene	0.8	U*
Naphthalene	1.6	U*
Phenanthrene	0.8	U*
Pyrene	0.8	U*
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U

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PARAMETER	RESULT	QUAL
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7MW-3 AS1020/21-AVG IT(1994)		
INORGANICS		
Antimony	399	
Arsenic	62	
Barium	169	B
Beryllium	1	U
Cadmium	4.25	
Chromium	250	
Cobalt	25.6	B
Copper	4240	
Lead	1915	
Mercury	49.85	
Nickel	380	
Selenium	10	U
Silver	5	U
Thallium	6	U
Tin	155	B
Vanadium	62.1	
Zinc	4515	

PARAMETER	RESULT	QUAL
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.41	
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.1	
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	15	*
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U

PARAMETER	RESULT	QUAL
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7MW-4 AS1055 IT(1994)		
INORGANICS		
Antimony	292	
Arsenic	19.2	
Barium	478	
Beryllium	1	U
Cadmium	5	U
Chromium	96	
Cobalt	20	U
Copper	625	
Lead	2000	
Mercury	6.2	
Nickel	22.2	B
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	110	B
Vanadium	17.6	B
Zinc	772	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U

PARAMETER	RESULT	QUAL
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7MW-5 AS1017 IT(1994)		
INORGANICS		
Antimony	243	
Arsenic	26.4	
Barium	30.6	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	31.2	
Lead	26.8	
Mercury	0.3	
Nickel	20	U

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PARAMETER	RESULT	QUAL
Selenium	10	U
Silver	5	U
Thallium	9.3	B
Tin	30	U
Vanadium	10	U
Zinc	70.7	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.11	
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U*
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U

PARAMETER	RESULT	QUAL
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7MW-6 AS1019 IT(1994)		
INORGANICS		
Antimony	146	
Arsenic	31.2	
Barium	113	B
Beryllium	1	U
Cadmium	5	U
Chromium	39.1	
Cobalt	20	U
Copper	38.3	
Lead	4	U
Mercury	0.47	
Nickel	20	U
Selenium	10	U
Silver	5	U
Thallium	6	U
Tin	30	U
Vanadium	38.8	B
Zinc	79.5	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U

PARAMETER	RESULT	QUAL
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U*
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7MW-7 AS1014 IT(1994)		
INORGANICS		
Aluminum	581	
Antimony	208	
Arsenic	2	U
Barium	23.7	B
Beryllium	1	U

PARAMETER	RESULT	QUAL
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Iron	570	
Lead	20	U
Manganese	32.5	
Mercury	0.2	U
Nickel	20	U
Selenium	6	U
Silver	5	U
Thallium	10.8	
Vanadium	10	U
Zinc	24.1	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	50	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	50	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	20	U
3-nitroaniline	50	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	50	U
4-nitrophenol	50	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U

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PARAMETER	RESULT	QUAL
Benzoic acid	50	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	50	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U

PARAMETER	RESULT	QUAL
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	2	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.73	
4,4'-DDE	0.28	
4,4'-DDT	0.42	
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Methoxychlor	0.5	U
Toxaphene	1	U
I7MW-7 AS1575 IT(1994)		
INORGANICS		
Cyanide	270	
I7MW-8 AS1015 IT(1994)		
INORGANICS		
Antimony	175	
Arsenic	9.8	B

PARAMETER	RESULT	QUAL
Barium	97.5	B
Beryllium	1	U
Cadmium	5	U
Chromium	107	
Cobalt	20	U
Copper	1350	
Lead	1420	
Mercury	23.5	
Nickel	282	
Selenium	6	U
Silver	5	U
Thallium	17.6	
Tin	30	U
Vanadium	10	U
Zinc	4290	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.22	U*
Acenaphthylene	0.1	U
Anthracene	0.082	U
Benzo(a)anthracene	0.082	U
Benzo(a)pyrene	0.082	U
Benzo(b)fluoranthene	0.082	U
Benzo(g,h,i)perylene	0.082	U
Benzo(k)fluoranthene	0.24	U*
Chrysene	0.082	U
Dibenzo(a,h)anthracene	0.082	U
Fluoranthene	0.25	U*
Fluorene	0.082	U
Indeno(1,2,3-cd)pyrene	0.082	U
Naphthalene	0.1	U
Phenanthrene	0.082	U
Pyrene	0.082	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U

PARAMETER	RESULT	QUAL
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7MW-9 AS1016 IT(1994)		
INORGANICS		
Antimony	297	
Arsenic	9.3	B
Barium	19.6	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	12.4	B
Lead	20	U
Mercury	0.2	U
Nickel	20	U
Selenium	6	U
Silver	5	U
Thallium	17.2	
Tin	30	U
Vanadium	10	U
Zinc	115	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.29	U*
Acenaphthylene	0.1	U
Anthracene	0.082	U

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PARAMETER	RESULT	QUAL
Benzo(a)anthracene	0.082	U
Benzo(a)pyrene	0.082	U
Benzo(b)fluoranthene	0.082	U
Benzo(g,h,i)perylene	0.2	U*
Benzo(k)fluoranthene	0.082	U
Chrysene	0.082	U
Dibenzo(a,h)anthracene	0.082	U
Fluoranthene	0.082	U
Fluorene	0.082	U
Indeno(1,2,3-cd)pyrene	0.082	U
Naphthalene	0.1	U
Phenanthrene	0.082	U
Pyrene	0.082	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U

PARAMETER	RESULT	QUAL
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7MW7-1 AS1052 IT(1994)		
INORGANICS		
Antimony	265	
Arsenic	36.9	
Barium	200	B
Beryllium	1	U
Cadmium	5	U
Chromium	139	
Cobalt	20	U
Copper	413	
Lead	430	
Mercury	3.2	
Nickel	31.1	B
Selenium	10	U
Silver	5	U
Thallium	10	U
Tin	268	
Vanadium	32.3	B
Zinc	1000	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U

PARAMETER	RESULT	QUAL
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7MW7-10 AS1140 IT(1994)		
INORGANICS		
Antimony	225	
Arsenic	3.4	B
Barium	57.7	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	111	
Lead	146	
Mercury	1.3	
Nickel	20	U
Selenium	10	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	380	
SEMIVOLATILE ORGANIC COMPOUNDS		

PARAMETER	RESULT	QUAL
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.12	U*
Anthracene	0.082	U
Benzo(a)anthracene	0.082	U
Benzo(a)pyrene	0.082	U
Benzo(b)fluoranthene	0.082	U
Benzo(g,h,i)perylene	0.082	U
Benzo(k)fluoranthene	0.082	U
Chrysene	0.082	U
Dibenzo(a,h)anthracene	0.28	U*
Fluoranthene	0.082	U
Fluorene	0.082	U
Indeno(1,2,3-cd)pyrene	0.082	U
Naphthalene	0.1	U
Phenanthrene	0.082	U
Pyrene	0.082	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U

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PARAMETER	RESULT	QUAL
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7MW7-2 AS1053		**IT(1994)**
INORGANICS		
Antimony	189	
Arsenic	20	U
Barium	48.9	B
Beryllium	1	U
Cadmium	5	U
Chromium	99.8	
Cobalt	20	U
Copper	116	
Lead	206	
Mercury	2.7	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	127	B
Vanadium	10	U
Zinc	356	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	1.6	U*
Acenaphthylene	1.6	U
Anthracene	0.8	U*
Benzo(a)anthracene	0.8	U*
Benzo(a)pyrene	0.8	U*
Benzo(b)fluoranthene	0.8	U*
Benzo(g,h,i)perylene	0.8	U*
Benzo(k)fluoranthene	0.8	U*
Chrysene	0.8	U*
Dibenzo(a,h)anthracene	0.93	U*
Fluoranthene	0.8	U
Fluorene	0.8	U*
Indeno(1,2,3-cd)pyrene	0.8	U*
Naphthalene	1.6	U*
Phenanthrene	0.8	U*
Pyrene	0.8	U*
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U

PARAMETER	RESULT	QUAL
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7MW7-3 AS1047		**IT(1994)**
INORGANICS		
Antimony	183	
Arsenic	28.1	
Barium	32.4	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	40	U
Mercury	0.2	U
Nickel	20	U
Selenium	10	U

PARAMETER	RESULT	QUAL
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	23.9	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.082	U*
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.1	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U

PARAMETER	RESULT	QUAL
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7MW7-4 AS1049		**IT(1994)**
INORGANICS		
Antimony	163	
Arsenic	39.6	
Barium	136	B
Beryllium	1	U
Cadmium	5	U
Chromium	70.8	
Cobalt	20	U
Copper	449	
Lead	358	
Mercury	7.2	
Nickel	42.6	
Selenium	20	U
Silver	5	U
Thallium	2	U
Tin	141	B
Vanadium	19.5	B
Zinc	763	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.15	U*
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U

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PARAMETER	RESULT	QUAL
Naphthalene	0.1	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7MW7-5 AS1051 IT(1994)		
INORGANICS		
Antimony	196	
Arsenic	73	B
Barium	56.1	B
Beryllium	1	U
Cadmium	5	U
Chromium	37.2	

PARAMETER	RESULT	QUAL
Cobalt	20	U
Copper	257	
Lead	271	
Mercury	4.8	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	118	B
Vanadium	16.8	B
Zinc	424	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	1.6	U*
Acenaphthylene	1.6	U*
Anthracene	0.8	U*
Benzo(a)anthracene	0.8	U*
Benzo(a)pyrene	0.8	U*
Benzo(b)fluoranthene	0.8	U*
Benzo(g,h,i)perylene	0.8	U*
Benzo(k)fluoranthene	0.8	U*
Chrysene	0.8	U*
Dibenzo(a,h)anthracene	0.8	U*
Fluoranthene	0.8	U
Fluorene	0.8	U*
Indeno(1,2,3-cd)pyrene	0.8	U*
Naphthalene	1.6	U*
Phenanthrene	0.8	U*
Pyrene	0.8	U*
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U

PARAMETER	RESULT	QUAL
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	8	UM
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I7MW7-6 AS1046 IT(1994)		
INORGANICS		
Antimony	224	
Arsenic	25	
Barium	113	B
Beryllium	1	U
Cadmium	5	U
Chromium	36.8	
Cobalt	20	U
Copper	140	
Lead	303	
Mercury	3.1	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	13.6	B
Zinc	263	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U

PARAMETER	RESULT	QUAL
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.1	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	7.5	UM
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U

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PARAMETER	RESULT	QUAL
I7KWM-12 I7KWM-12 B&RE		
INORGANICS		
Aluminum	168	U
Antimony	4	U
Arsenic	4	U
Barium	47.7	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	3	U
Cobalt	2	U
Copper	32.3	U
Cyanide	1.4	U
Iron	1400	
Lead	35.3	
Manganese	2	U
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	7	U
Vanadium	2	U
Zinc	107	
PESTICIDES/PCBs		
2,4,5-T	0.1	U
2,4,5-TP (silvex)	0.1	U
2,4-D	0.1	U
4,4'-DDD	0.039	U
4,4'-DDE	0.039	U
4,4'-DDT	0.039	U
Aldrin	0.016	J
alpha-BHC	0.015	J
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U
Chlordane	0.24	U
delta-BHC	0.016	J
Dieldrin	0.025	J
Endosulfan I	0.019	J
Endosulfan II	0.039	U
Endosulfan sulfate	0.039	U
Endrin	0.022	J
Endrin aldehyde	0.039	U
gamma-BHC (lindane)	0.2	J
Heptachlor	0.012	J
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.049	U
Parathion	0.049	U
Phorate	0.049	U
Toxaphene	0.98	U
I7MW-1 I7MW-1 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	4	U
Arsenic	4	U
Barium	35.2	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4.7	U
Cyanide	1.4	U
Iron	164	
Lead	4	U
Manganese	2	U
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2.3	U
Thallium	9.9	U
Vanadium	2	U
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.099	U
2,4,5-TP (silvex)	0.099	U
2,4-D	0.099	U
4,4'-DDD	0.04	UJ
4,4'-DDE	0.04	UJ
4,4'-DDT	0.04	UJ
Aldrin	0.02	UJ
alpha-BHC	0.018	J
Aroclor-1016	0.12	UJ
Aroclor-1221	0.12	UJ
Aroclor-1232	0.12	UJ
Aroclor-1242	0.12	UJ
Aroclor-1248	0.12	UJ
Aroclor-1254	0.12	UJ
Aroclor-1260	0.12	UJ
beta-BHC	0.02	UJ
Chlordane	0.25	UJ
delta-BHC	0.02	UJ
Dieldrin	0.026	J
Endosulfan I	0.014	J
Endosulfan II	0.04	UJ
Endosulfan sulfate	0.04	UJ
Endrin	0.04	UJ
Endrin aldehyde	0.04	UJ
gamma-BHC (lindane)	0.016	J
Heptachlor	0.02	UJ
Heptachlor epoxide	0.02	UJ
Methoxychlor	0.2	UJ
Methyl parathion	0.05	UJ
Parathion	0.05	UJ
Phorate	0.05	UJ
Toxaphene	0.99	UJ
I7MW7-1 I7MW7-1 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	5.4	
Arsenic	4	U
Barium	149	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	39.6	
Cyanide	1.4	U
Iron	36.6	
Lead	3	U
Manganese	2	U
Mercury	0.1	U
Nickel	6.7	
Selenium	4	U
Silver	2	U
Thallium	5.7	U
Vanadium	2	U
Zinc	54.6	
PESTICIDES/PCBs		
2,4,5-T	0.099	U
2,4,5-TP (silvex)	0.099	U
2,4-D	0.099	U
4,4'-DDD	0.04	U
4,4'-DDE	0.04	U
4,4'-DDT	0.04	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U
Chlordane	0.25	U
delta-BHC	0.015	J
Dieldrin	0.04	U
Endosulfan I	0.02	U
Endosulfan II	0.04	U
Endosulfan sulfate	0.04	U
Endrin	0.04	U
Endrin aldehyde	0.04	U
gamma-BHC (lindane)	0.022	J
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.05	U
Parathion	0.05	U
Phorate	0.05	U
Toxaphene	1	U
I7MW7-10 I7MW7-10 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	16.2	
Arsenic	4.3	U
Barium	52.6	
Beryllium	0.2	U
Cadmium	1.4	U
Chromium	2	U
Cobalt	2	U
Copper	21.5	U
Cyanide	1.4	U
Iron	4	U
Lead	4.5	U
Manganese	2	U
Mercury	0.11	
Nickel	29.3	
Selenium	4	U
Silver	2.9	U
Thallium	5.9	U
Vanadium	2	U
Zinc	120	
PESTICIDES/PCBs		
2,4,5-T	0.1	U
2,4,5-TP (silvex)	0.1	U
2,4-D	0.1	U
4,4'-DDD	0.04	UJ
4,4'-DDE	0.04	UJ
4,4'-DDT	0.04	UJ
Aldrin	0.02	UJ
alpha-BHC	0.02	UJ
Aroclor-1016	0.12	UJ
Aroclor-1221	0.12	UJ
Aroclor-1232	0.12	UJ
Aroclor-1242	0.12	UJ

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PARAMETER	RESULT	QUAL
Aroclor-1248	0.12	UJ
Aroclor-1254	0.12	UJ
Aroclor-1260	0.12	UJ
beta-BHC	0.02	UJ
Chlordane	0.25	UJ
delta-BHC	0.019	J
Dieldrin	0.03	J
Endosulfan I	0.017	J
Endosulfan II	0.04	UJ
Endosulfan sulfate	0.04	UJ
Endrin	0.04	UJ
Endrin aldehyde	0.04	UJ
gamma-BHC (lindane)	0.14	J
Heptachlor	0.02	UJ
Heptachlor epoxide	0.02	UJ
Methoxychlor	0.2	UJ
Methyl parathion	0.05	UJ
Parathion	0.05	UJ
Phorate	0.05	UJ
Toxaphene	0.99	UJ
I7MW7-2	**I7MW7-2**	**B&RE**
INORGANICS		
Aluminum	28	U
Antimony	4	U
Arsenic	4	U
Barium	51	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2.7	U
Cobalt	2	U
Copper	15	U
Cyanide	1.4	U
Iron	4	U
Lead	3	U
Manganese	2	U
Mercury	0.11	
Nickel	8.1	
Selenium	4	U
Silver	4.5	U
Thallium	6.1	U
Vanadium	2	U
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.1	U
2,4,5-TP (silvex)	0.1	U
2,4-D	0.1	U
4,4'-DDD	0.029	J
4,4'-DDE	0.028	J
4,4'-DDT	0.026	J
Aldrin	0.02	UJ

PARAMETER	RESULT	QUAL
alpha-BHC	0.02	UJ
Aroclor-1016	0.12	UJ
Aroclor-1221	0.12	UJ
Aroclor-1232	0.12	UJ
Aroclor-1242	0.12	UJ
Aroclor-1248	0.12	UJ
Aroclor-1254	0.12	UJ
Aroclor-1260	0.12	UJ
beta-BHC	0.02	UJ
Chlordane	0.24	UJ
delta-BHC	0.02	UJ
Dieldrin	0.028	J
Endosulfan I	0.012	J
Endosulfan II	0.039	UJ
Endosulfan sulfate	0.039	UJ
Endrin	0.039	UJ
Endrin aldehyde	0.039	UJ
gamma-BHC (lindane)	0.02	UJ
Heptachlor	0.02	UJ
Heptachlor epoxide	0.02	UJ
Methoxychlor	0.2	UJ
Methyl parathion	0.049	UJ
Parathion	0.049	UJ
Phorate	0.049	UJ
Toxaphene	0.98	UJ
I7MW7-3	**I7MW7-3-AVG**	**B&RE**
INORGANICS		
Aluminum	28	U
Antimony	3.6	
Arsenic	47	
Barium	47.6	
Beryllium	0.2	U
Cadmium	0.75	U
Chromium	2.8	U
Cobalt	2	U
Copper	4	U
Cyanide	6.8	U
Iron	18.25	
Lead	3.4	U
Manganese	4.5	
Mercury	0.115	
Nickel	4	U
Selenium	4	U
Silver	2.1	U
Thallium	6.75	U
Vanadium	2	U
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.1	U
2,4,5-TP (silvex)	0.1	U

PARAMETER	RESULT	QUAL
2,4-D	0.1	U
4,4'-DDD	0.04	U
4,4'-DDE	0.04	U
4,4'-DDT	0.04	U
Aldrin	0.012	J
alpha-BHC	0.1	J
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U
Chlordane	0.25	U
delta-BHC	0.017	J
Dieldrin	0.0285	J
Endosulfan I	0.02	U
Endosulfan II	0.04	U
Endosulfan sulfate	0.051	J
Endrin	0.0245	J
Endrin aldehyde	0.04	U
gamma-BHC (lindane)	1.065	J
Heptachlor	0.011	J
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.05	U
Parathion	0.05	U
Phorate	0.05	U
Toxaphene	0.99	U
I7MW7-4	**I7MW7-4**	**B&RE**
INORGANICS		
Aluminum	28	U
Antimony	4	U
Arsenic	4	U
Barium	102	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4.5	U
Cyanide	1.4	U
Iron	4	U
Lead	3.9	U
Manganese	18.5	
Mercury	0.39	
Nickel	4	U
Selenium	4	U
Silver	2.5	U
Thallium	4.4	U

PARAMETER	RESULT	QUAL
Vanadium	2	U
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.1	U
2,4,5-TP (silvex)	0.1	U
2,4-D	0.1	U
4,4'-DDD	0.04	UJ
4,4'-DDE	0.04	UJ
4,4'-DDT	0.04	UJ
Aldrin	0.02	UJ
alpha-BHC	0.02	UJ
Aroclor-1016	0.12	UJ
Aroclor-1221	0.12	UJ
Aroclor-1232	0.12	UJ
Aroclor-1242	0.12	UJ
Aroclor-1248	0.12	UJ
Aroclor-1254	0.12	UJ
Aroclor-1260	0.12	UJ
beta-BHC	0.02	UJ
Chlordane	0.25	UJ
delta-BHC	0.016	J
Dieldrin	0.04	UJ
Endosulfan I	0.02	J
Endosulfan II	0.04	UJ
Endosulfan sulfate	0.04	UJ
Endrin	0.04	UJ
Endrin aldehyde	0.04	UJ
gamma-BHC (lindane)	1	J
Heptachlor	0.02	UJ
Heptachlor epoxide	0.02	UJ
Methoxychlor	0.2	UJ
Methyl parathion	0.05	UJ
Parathion	0.05	UJ
Phorate	0.05	UJ
Toxaphene	0.99	UJ
I7MW7-5	**I7MW7-5**	**B&RE**
INORGANICS		
Aluminum	28	U
Antimony	4	
Arsenic	16.7	U
Barium	27.6	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	5.6	U
Cyanide	4.7	U
Iron	193	
Lead	3	U
Manganese	2	U

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PARAMETER	RESULT	QUAL
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2.4	U
Thallium	6.3	U
Vanadium	2	U
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.099	U
2,4,5-TP (silvex)	0.099	U
2,4-D	0.099	U
4,4'-DDD	0.038	J
4,4'-DDE	0.04	UJ
4,4'-DDT	0.04	UJ
Aldrin	0.02	UJ
alpha-BHC	0.02	UJ
Aroclor-1016	0.12	UJ
Aroclor-1221	0.12	UJ
Aroclor-1232	0.12	UJ
Aroclor-1242	0.12	UJ
Aroclor-1248	0.12	UJ
Aroclor-1254	0.12	UJ
Aroclor-1260	0.12	UJ
beta-BHC	0.02	UJ
Chlordane	0.25	UJ
delta-BHC	0.018	J
Dieldrin	0.033	J
Endosulfan I	0.031	J
Endosulfan II	0.04	UJ
Endosulfan sulfate	0.04	UJ
Endrin	0.04	UJ
Endrin aldehyde	0.04	UJ
gamma-BHC (lindane)	0.28	J
Heptachlor	0.011	J
Heptachlor epoxide	0.02	UJ
Methoxychlor	0.2	UJ
Methyl parathion	0.05	UJ
Parathion	0.05	UJ
Phorate	0.05	UJ
Toxaphene	0.99	UJ
I7MW7-6 I7MW7-6		**B&RE**
INORGANICS		
Aluminum	28	U
Antimony	4	U
Arsenic	4	U
Barium	84.8	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U

PARAMETER	RESULT	QUAL
Copper	4	U
Cyanide	3.1	U
Iron	8.4	U
Lead	3.9	U
Manganese	31.5	
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.099	U
2,4,5-TP (silvex)	0.099	U
2,4-D	0.099	U
4,4'-DDD	0.04	UJ
4,4'-DDE	0.04	UJ
4,4'-DDT	0.04	UJ
Aldrin	0.02	UJ
alpha-BHC	0.02	UJ
Aroclor-1016	0.12	UJ
Aroclor-1221	0.12	UJ
Aroclor-1232	0.12	UJ
Aroclor-1242	0.12	UJ
Aroclor-1248	0.12	UJ
Aroclor-1254	0.12	UJ
Aroclor-1260	0.12	UJ
beta-BHC	0.02	UJ
Chlordane	0.18	J
delta-BHC	0.02	UJ
Dieldrin	0.022	J
Endosulfan I	0.032	J
Endosulfan II	0.04	UJ
Endosulfan sulfate	0.04	UJ
Endrin	0.027	J
Endrin aldehyde	0.04	UJ
gamma-BHC (lindane)	0.41	J
Heptachlor	0.02	UJ
Heptachlor epoxide	0.02	UJ
Methoxychlor	0.2	UJ
Methyl parathion	0.05	UJ
Parathion	0.05	UJ
Phorate	0.05	UJ
Toxaphene	0.99	UJ
IR 8		
I8KWM-13 KWM-13		**GM**
INORGANICS		
Antimony	200	U
Arsenic	5	U

PARAMETER	RESULT	QUAL
Beryllium	10	U
Cadmium	10	U
Chromium	30	U
Copper	30	
Cyanide	300	U
Lead	5	U
Mercury	620	
Nickel	30	U
Selenium	5	U
Silver	50	U
Thallium	50	U
Zinc	10	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	1	U
1,2-dichlorobenzene	1	U
1,2-diphenylhydrazine	1	U
1,3-dichlorobenzene	1	U
1,4-dichlorobenzene	4.6	
2,4,6-trichlorophenol	1	U
2,4-dichlorophenol	1	U
2,4-dimethylphenol	1	U
2,4-dinitrophenol	5	U
2,4-dinitrotoluene	1	U
2,6-dinitrotoluene	1	U
2-chloronaphthalene	1	U
2-chlorophenol	1	U
2-methyl-4,6-dinitrophenol	5	U
2-nitrophenol	1	U
3,3'-dichlorobenzidine	2	U
4-bromophenyl phenyl ether	1	U
4-chloro-3-methylphenol	1	U
4-chlorophenyl phenyl ether	1	U
4-nitrophenol	5	U
Acenaphthene	1	U
Acenaphthylene	1	U
Anthracene	1	U
Benzidine	5	U
Benzo(a)anthracene	1	U
Benzo(a)pyrene	1	U
Benzo(b)fluoranthene	1	U
Benzo(g,h,i)perylene	1	U
Benzo(k)fluoranthene	1	U
Bis(2-chloroethoxy)methane	1	U
Bis(2-chloroethyl)ether	1	U
Bis(2-ethylhexyl)phthalate	1	U
Butyl benzyl phthalate	1	U
Chrysene	1	U
Di-n-butyl phthalate	1	U
Di-n-octyl phthalate	1	U
Dibenzo(a,h)anthracene	1	U

PARAMETER	RESULT	QUAL
Diethyl phthalate	1	U
Dimethyl phthalate	1	U
Fluoranthene	1	U
Fluorene	1	U
Hexachlorobenzene	1	U
Hexachlorobutadiene	1	U
Hexachlorocyclopentadiene	1	U
Hexachloroethane	1	U
Indeno(1,2,3-cd)pyrene	1	U
Isophorone	1	U
N-nitroso-di-n-propylamine	1	U
N-nitrosodimethylamine	1	U
N-nitrosodiphenylamine	1	U
Naphthalene	2.5	
Nitrobenzene	1	U
Pentachlorophenol	5	U
Phenanthrene	1	U
Phenol	1	U
Pyrene	1	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	1	U
1,1,1-trichloroethane	1	U
1,1,2-trichloroethane	1	U
1,1-dichloroethane	1	U
1,1-dichloroethene	1	U
1,2-dichloroethane	1	U
1,2-dichloropropane	1	U
2-chloroethyl vinyl ether	1	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	1.8	
Bis(2-chloroisopropyl)ether	1	U
Bromodichloromethane	1	U
Bromoform	1	U
Bromomethane	1	U
Carbon tetrachloride	1	U
Chlorobenzene	71	
Chloroethane	1	U
Chloroform	1	U
Chloromethane	1	U
Cis-1,3-dichloropropene	1	U
Dibromochloromethane	1	U
Ethylbenzene	1.3	
Methylene chloride	3.8	BG*
Tetrachloroethene	1	U
Toluene	1	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	1	U
Trichloroethene	1	U
Vinyl chloride	1	U

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PARAMETER	RESULT	QUAL
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.1	U
alpha-BHC	0.1	U
Aroclor-1016	1	U
Aroclor-1221	1	U
Aroclor-1232	1	U
Aroclor-1242	1	U
Aroclor-1248	1	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.1	U
Chlordane	0.5	U
delta-BHC	0.1	U
Dieldrin	0.1	U
Endosulfan I	0.1	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin aldehyde	0.1	U
gamma-BHC (lindane)	0.1	U
Heptachlor	0.1	U
Heptachlor epoxide	0.1	U
Toxaphene	1	U
I8KWM-14 KWM-14		**GM**
INORGANICS		
Antimony	200	U
Arsenic	6	
Beryllium	10	U
Cadmium	10	U
Chromium	30	U
Copper	30	
Cyanide	300	U
Lead	5	U
Mercury	49	
Nickel	30	U
Selenium	5	U
Silver	50	U
Thallium	50	U
Zinc	10	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	1	U
1,2-dichlorobenzene	1	U
1,2-diphenylhydrazine	1	U
1,3-dichlorobenzene	1	U
1,4-dichlorobenzene	1	U
2,4,6-trichlorophenol	2	U

PARAMETER	RESULT	QUAL
2,4-dichlorophenol	2	U
2,4-dimethylphenol	2	U
2,4-dinitrophenol	10	U
2,4-dinitrotoluene	1	U
2,6-dinitrotoluene	1	U
2-chloronaphthalene	1	U
2-chlorophenol	2	U
2-methyl-4,6-dinitrophenol	10	U
2-nitrophenol	2	U
3,3'-dichlorobenzidine	1	U
4-bromophenyl phenyl ether	1	U
4-chloro-3-methylphenol	2	U
4-chlorophenyl phenyl ether	1	U
4-nitrophenol	10	U
Acenaphthene	1	U
Acenaphthylene	1	U
Anthracene	1	U
Benzidine	1	U
Benzo(a)anthracene	1	U
Benzo(a)pyrene	1	U
Benzo(b)fluoranthene	1	U
Benzo(g,h,i)perylene	1	U
Benzo(k)fluoranthene	1	U
Bis(2-chloroethoxy)methane	1	U
Bis(2-chloroethyl)ether	1	U
Bis(2-ethylhexyl)phthalate	1	U
Butyl benzyl phthalate	1	U
Chrysene	1	U
Di-n-butyl phthalate	1	U
Di-n-octyl phthalate	1	U
Dibenzo(a,h)anthracene	1	U
Diethyl phthalate	3	
Dimethyl phthalate	1	U
Fluoranthene	1	U
Fluorene	1	U
Hexachlorobenzene	1	U
Hexachlorobutadiene	1	U
Hexachlorocyclopentadiene	1	U
Hexachloroethane	1	U
Indeno(1,2,3-cd)pyrene	1	U
Isophorone	1	U
N-nitroso-di-n-propylamine	1	U
N-nitrosodimethylamine	1	U
N-nitrosodiphenylamine	1	U
Naphthalene	1	U
Nitrobenzene	1	U
Pentachlorophenol	10	U
Phenanthrene	1	U
Phenol	2	U
Pyrene	1	U

PARAMETER	RESULT	QUAL
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	1	U
1,1,2,2-tetrachloroethane	1	U
1,1,2-trichloroethane	1	U
1,1-dichloroethane	1	U
1,1-dichloroethene	1	U
1,2-dichloroethane	1	U
1,2-dichloropropane	1	U
2-chloroethyl vinyl ether	1	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	1	U
Bis(2-chloroisopropyl)ether	1	U
Bromodichloromethane	1	U
Bromoform	1	U
Bromomethane	1	U
Carbon tetrachloride	1	U
Chlorobenzene	1	U
Chloroethane	1	U
Chloroform	1	U
Chloromethane	1	U
Cis-1,3-dichloropropene	1	U
Dibromochloromethane	1	U
Ethylbenzene	1	U
Methylene chloride	4.2	BG*
Tetrachloroethene	1	U
Toluene	1	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	1	U
Trichloroethene	1	U
Vinyl chloride	1	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.1	U
alpha-BHC	0.1	U
Aroclor-1016	1	U
Aroclor-1221	1	U
Aroclor-1232	1	U
Aroclor-1242	1	U
Aroclor-1248	1	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.1	U
Chlordane	0.5	U
delta-BHC	0.1	U
Dieldrin	0.1	U
Endosulfan I	0.1	U

PARAMETER	RESULT	QUAL
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin aldehyde	0.1	U
gamma-BHC (lindane)	0.1	U
Heptachlor	0.1	U
Heptachlor epoxide	0.1	U
Toxaphene	1	U
I8KWM-15 KWM-15		**GM**
INORGANICS		
Antimony	200	U
Arsenic	6	
Beryllium	10	U
Cadmium	10	U
Chromium	30	U
Copper	300	
Cyanide	300	U
Lead	5	U
Mercury	52	
Nickel	30	U
Selenium	5	U
Silver	50	U
Thallium	50	U
Zinc	10	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	1	U
1,2-dichlorobenzene	1	U
1,2-diphenylhydrazine	1	U
1,3-dichlorobenzene	1	U
1,4-dichlorobenzene	1	U
2,4,6-trichlorophenol	1	U
2,4-dichlorophenol	1	U
2,4-dimethylphenol	1	U
2,4-dinitrophenol	5	U
2,4-dinitrotoluene	1	U
2,6-dinitrotoluene	1	U
2-chloronaphthalene	1	U
2-chlorophenol	1	U
2-methyl-4,6-dinitrophenol	5	U
2-nitrophenol	1	U
3,3'-dichlorobenzidine	1	U
4-bromophenyl phenyl ether	1	U
4-chloro-3-methylphenol	1	U
4-chlorophenyl phenyl ether	1	U
4-nitrophenol	5	U
Acenaphthene	1	U
Acenaphthylene	1	U
Anthracene	1	U
Benzidine	1	U
Benzo(a)anthracene	1	U

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PARAMETER	RESULT	QUAL
Benzo(a)pyrene	1	U
Benzo(b)fluoranthene	1	U
Benzo(g,h,i)perylene	1	U
Benzo(k)fluoranthene	1	U
Bis(2-chloroethoxy)methane	1	U
Bis(2-chloroethyl)ether	1	U
Bis(2-ethylhexyl)phthalate	1	U
Butyl benzyl phthalate	1	U
Chrysene	1	U
Di-n-butyl phthalate	1	U
Di-n-octyl phthalate	1	U
Dibenzo(a,h)anthracene	1	U
Diethyl phthalate	1	U
Dimethyl phthalate	1	U
Fluoranthene	1	U
Fluorene	1	U
Hexachlorobenzene	1	U
Hexachlorobutadiene	1	U
Hexachlorocyclopentadiene	1	U
Hexachloroethane	1	U
Indeno(1,2,3-cd)pyrene	1	U
Isophorone	1	U
N-nitroso-di-n-propylamine	1	U
N-nitrosodimethylamine	1	U
N-nitrosodiphenylamine	1	U
Naphthalene	1	U
Nitrobenzene	1	U
Pentachlorophenol	5	U
Phenanthrene	1	U
Phenol	1	U
Pyrene	1	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	1	U
1,1,2,2-tetrachloroethane	1	U
1,1,2-trichloroethane	1	U
1,1-dichloroethane	1	U
1,1-dichloroethene	1	U
1,2-dichloroethane	1	U
1,2-dichloropropane	1	U
2-chloroethyl vinyl ether	1	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	1	U
Bis(2-chloroisopropyl)ether	1	U
Bromodichloromethane	1	U
Bromoform	1	U
Bromomethane	1	U
Carbon tetrachloride	1	U
Chlorobenzene	1	U
Chloroethane	1	U

PARAMETER	RESULT	QUAL
Chloroform	1	U
Chloromethane	1	U
Cis-1,3-dichloropropene	1	U
Dibromochloromethane	1	U
Ethylbenzene	1	U
Methylene chloride	2.1	BG*
Tetrachloroethene	1	U
Toluene	1	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	1	U
Trichloroethene	1	U
Vinyl chloride	1	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.1	U
alpha-BHC	0.1	U
Aroclor-1016	1	U
Aroclor-1221	1	U
Aroclor-1232	1	U
Aroclor-1242	1	U
Aroclor-1248	1	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.1	U
Chlordane	0.5	U
delta-BHC	0.1	U
Dieldrin	0.1	U
Endosulfan I	0.1	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin aldehyde	0.1	U
gamma-BHC (lindane)	0.1	U
Heptachlor	0.1	U
Heptachlor epoxide	0.1	U
Toxaphene	1	U
I8KWM-16 KWM-16 GM		
INORGANICS		
Antimony	200	U
Arsenic	5	U
Beryllium	10	U
Cadmium	10	U
Chromium	30	U
Copper	60	
Cyanide	300	U
Lead	5	U
Mercury	52	

PARAMETER	RESULT	QUAL
Nickel	30	U
Selenium	5	U
Silver	50	U
Thallium	50	U
Zinc	10	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	1	U
1,2-dichlorobenzene	1	U
1,2-diphenylhydrazine	1	U
1,3-dichlorobenzene	1	U
1,4-dichlorobenzene	1	U
2,4,6-trichlorophenol	1	U
2,4-dichlorophenol	1	U
2,4-dimethylphenol	1	U
2,4-dinitrophenol	5	U
2,4-dinitrotoluene	1	U
2,6-dinitrotoluene	1	U
2-chloronaphthalene	1	U
2-chlorophenol	1	U
2-methyl-4,6-dinitrophenol	5	U
2-nitrophenol	1	U
3,3'-dichlorobenzidine	2	U
4-bromophenyl phenyl ether	1	U
4-chloro-3-methylphenol	1	U
4-chlorophenyl phenyl ether	1	U
4-nitrophenol	5	U
Acenaphthene	1	U
Acenaphthylene	1	U
Anthracene	1	U
Benzidine	5	U
Benzo(a)anthracene	1	U
Benzo(a)pyrene	1	U
Benzo(b)fluoranthene	1	U
Benzo(g,h,i)perylene	1	U
Benzo(k)fluoranthene	1	U
Bis(2-chloroethoxy)methane	1	U
Bis(2-chloroethyl)ether	1	U
Bis(2-ethylhexyl)phthalate	1	U
Butyl benzyl phthalate	1	U
Chrysene	1	U
Di-n-butyl phthalate	1	U
Di-n-octyl phthalate	1	U
Dibenzo(a,h)anthracene	1	U
Diethyl phthalate	1	U
Dimethyl phthalate	1	U
Fluoranthene	1	U
Fluorene	1	U
Hexachlorobenzene	1	U
Hexachlorobutadiene	1	U
Hexachlorocyclopentadiene	1	U

PARAMETER	RESULT	QUAL
Hexachloroethane	1	U
Indeno(1,2,3-cd)pyrene	1	U
Isophorone	1	U
N-nitroso-di-n-propylamine	1	U
N-nitrosodimethylamine	1	U
N-nitrosodiphenylamine	1	U
Naphthalene	1	U
Nitrobenzene	1	U
Pentachlorophenol	5	U
Phenanthrene	1	U
Phenol	1	U
Pyrene	1	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	1	U
1,1,2,2-tetrachloroethane	1	U
1,1,2-trichloroethane	1	U
1,1-dichloroethane	1	U
1,1-dichloroethene	1	U
1,2-dichloroethane	1	U
1,2-dichloropropane	1	U
2-chloroethyl vinyl ether	1	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	1	U
Bis(2-chloroisopropyl)ether	1	U
Bromodichloromethane	1	U
Bromoform	1	U
Bromomethane	1	U
Carbon tetrachloride	1	U
Chlorobenzene	1	U
Chloroethane	1	U
Chloroform	1	U
Chloromethane	1	U
Cis-1,3-dichloropropene	1	U
Dibromochloromethane	1	U
Ethylbenzene	1	U
Methylene chloride	6	BG*
Tetrachloroethene	1	U
Toluene	1	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	1	U
Trichloroethene	1	U
Vinyl chloride	1	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.1	U
alpha-BHC	0.1	U

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PARAMETER	RESULT	QUAL
Aroclor-1016	1	U
Aroclor-1221	1	U
Aroclor-1232	1	U
Aroclor-1242	1	U
Aroclor-1248	1	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.1	U
Chlordane	0.5	U
delta-BHC	0.1	U
Dieldrin	0.1	U
Endosulfan I	0.1	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin aldehyde	0.1	U
gamma-BHC (lindane)	0.1	U
Heptachlor	0.1	U
Heptachlor epoxide	0.1	U
Toxaphene	1	U
I8KWM-17 KWM-17		**GM**
INORGANICS		
Antimony	200	U
Arsenic	7	
Beryllium	10	U
Cadmium	10	U
Chromium	30	U
Copper	50	
Cyanide	300	U
Lead	5	U
Mercury	75	
Nickel	30	U
Selenium	5	U
Silver	50	U
Thallium	50	U
Zinc	10	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	1	U
1,2-dichlorobenzene	1	U
1,2-diphenylhydrazine	1	U
1,3-dichlorobenzene	1	U
1,4-dichlorobenzene	1	U
2,4,6-trichlorophenol	1	U
2,4-dichlorophenol	1	U
2,4-dimethylphenol	1	U
2,4-dinitrophenol	5	U
2,4-dinitrotoluene	1	U
2,6-dinitrotoluene	1	U
2-chloronaphthalene	1	U
2-chlorophenol	1	U

PARAMETER	RESULT	QUAL
2-methyl-4,6-dinitrophenol	5	U
2-nitrophenol	1	U
3,3'-dichlorobenzidine	1	U
4-bromophenyl phenyl ether	1	U
4-chloro-3-methylphenol	1	U
4-chlorophenyl phenyl ether	1	U
4-nitrophenol	5	U
Acenaphthene	1	U
Acenaphthylene	1	U
Anthracene	1	U
Benzidine	1	U
Benzo(a)anthracene	1	U
Benzo(a)pyrene	1	U
Benzo(b)fluoranthene	1	U
Benzo(g,h,i)perylene	1	U
Benzo(k)fluoranthene	1	U
Bis(2-chloroethoxy)methane	1	U
Bis(2-chloroethyl)ether	1	U
Bis(2-ethylhexyl)phthalate	1	U
Butyl benzyl phthalate	1	U
Chrysene	1	U
Di-n-butyl phthalate	1	U
Di-n-octyl phthalate	1	U
Dibenzo(a,h)anthracene	1	U
Diethyl phthalate	1.4	
Dimethyl phthalate	1	U
Fluoranthene	1	U
Fluorene	1	U
Hexachlorobenzene	1	U
Hexachlorobutadiene	1	U
Hexachlorocyclopentadiene	1	U
Hexachloroethane	1	U
Indeno(1,2,3-cd)pyrene	1	U
Isophorone	1	U
N-nitroso-di-n-propylamine	1	U
N-nitrosodimethylamine	1	U
N-nitrosodiphenylamine	1	U
Naphthalene	1	U
Nitrobenzene	1	U
Pentachlorophenol	5	U
Phenanthrene	1	U
Phenol	1	U
Pyrene	1	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	1	U
1,1,2,2-tetrachloroethane	1	U
1,1,2-trichloroethane	1	U
1,1-dichloroethane	1	U
1,1-dichloroethene	1	U
1,2-dichloroethane	1	U

PARAMETER	RESULT	QUAL
1,2-dichloropropane	1	U
2-chloroethyl vinyl ether	1	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	1	U
Bis(2-chloroisopropyl)ether	1	U
Bromodichloromethane	3.5	
Bromoform	3.9	
Bromomethane	1	U
Carbon tetrachloride	1	U
Chlorobenzene	1	U
Chloroethane	1	U
Chloroform	1.6	
Chloromethane	1	U
Cis-1,3-dichloropropene	1	U
Dibromochloromethane	7.2	
Ethylbenzene	1.2	
Methylene chloride	2.3	BG*
Tetrachloroethene	1	U
Toluene	3.2	
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	1	U
Trichloroethene	1	U
Vinyl chloride	1	U
Xylenes, total	2.6	
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.1	U
alpha-BHC	0.1	U
Aroclor-1016	1	U
Aroclor-1221	1	U
Aroclor-1232	1	U
Aroclor-1242	1	U
Aroclor-1248	1	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.1	U
Chlordane	0.5	U
delta-BHC	0.1	U
Dieldrin	0.1	U
Endosulfan I	0.1	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin aldehyde	0.1	U
gamma-BHC (lindane)	0.1	U
Heptachlor	0.1	U
Heptachlor epoxide	0.1	U

PARAMETER	RESULT	QUAL
Toxaphene	1	U
I8KWM-14 KWM-14		**IT(1991)**
INORGANICS		
Aluminum	2530	
Antimony	30	U
Arsenic	30	U
Barium	51.8	B
Beryllium	1	U
Cadmium	24	
Chromium	10	U
Cobalt	20	U
Copper	1780	
Cyanide	10	U
Iron	3340	E
Lead	30	U
Manganese	85	
Mercury	0.53	
Nickel	20	U
Selenium	20	UW
Silver	21	
Thallium	30	U
Vanadium	10	U
Zinc	840	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	51	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	51	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	51	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	51	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	20	U
3-nitroaniline	51	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	51	U

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PARAMETER	RESULT	QUAL
4-nitrophenol	51	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	51	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	51	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U

PARAMETER	RESULT	QUAL
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	5	U
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.052	U
alpha-BHC	0.052	U
alpha-chlordane	0.52	U
Aroclor-1016	0.52	U
Aroclor-1221	0.52	U
Aroclor-1232	0.52	U
Aroclor-1242	0.52	U
Aroclor-1248	0.52	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.052	U
delta-BHC	0.052	U
Dieldrin	0.1	U
Endosulfan I	0.052	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.052	U
gamma-chlordane	0.52	U
Heptachlor	0.052	U
Heptachlor epoxide	0.052	U

PARAMETER	RESULT	QUAL
Methoxychlor	0.52	U
Toxaphene	1	U
I8KWM-15 KWM-15		IT(1991)
INORGANICS		
Aluminum	148	B
Antimony	30	U
Arsenic	30	U
Barium	14.4	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Cyanide	10	U
Iron	167	E
Lead	37.8	
Manganese	2	U
Mercury	0.2	U
Nickel	20	U
Selenium	20	UW
Silver	6.1	B
Thallium	30	U
Vanadium	10	U
Zinc	5	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	50	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	50	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	20	U
3-nitroaniline	50	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U

PARAMETER	RESULT	QUAL
4-nitroaniline	50	U
4-nitrophenol	50	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	50	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	3	BJ
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	50	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U

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PARAMETER	RESULT	QUAL
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	5	U
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.11	U
4,4'-DDE	0.11	U
4,4'-DDT	0.11	U
Aldrin	0.055	U
alpha-BHC	0.055	U
alpha-chlordane	0.55	U
Aroclor-1016	0.55	U
Aroclor-1221	0.55	U
Aroclor-1232	0.55	U
Aroclor-1242	0.55	U
Aroclor-1248	0.55	U
Aroclor-1254	1.1	U
Aroclor-1260	1.1	U
beta-BHC	0.055	U
delta-BHC	0.055	U
Dieldrin	0.11	U
Endosulfan I	0.055	U
Endosulfan II	0.11	U
Endosulfan sulfate	0.11	U
Endrin	0.11	U
Endrin ketone	0.11	U
gamma-BHC (lindane)	0.055	U
gamma-chlordane	0.55	U
Heptachlor	0.055	U

PARAMETER	RESULT	QUAL
Heptachlor epoxide	0.055	U
Methoxychlor	0.55	U
Toxaphene	1.1	U
I8MW8-1 MW8-1		IT(1991)
INORGANICS		
Aluminum	14500	
Antimony	30	U
Arsenic	20.8	
Barium	204	
Beryllium	1.4	B
Cadmium	13	
Chromium	42.7	
Cobalt	20	U
Copper	156	
Cyanide	30	U*
Iron	14600	
Lead	90.9	
Manganese	187	E
Mercury	1.5	
Nickel	22.4	B
Selenium	20	UW
Silver	25	U
Thallium	20	UW
Vanadium	30.9	B
Zinc	585	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	11	U
1,2-dichlorobenzene	11	U
1,3-dichlorobenzene	11	U
1,4-dichlorobenzene	2	J
2,4,5-trichlorophenol	54	U
2,4,6-trichlorophenol	11	U
2,4-dichlorophenol	11	U
2,4-dimethylphenol	11	U
2,4-dinitrophenol	54	U
2,4-dinitrotoluene	11	U
2,6-dinitrotoluene	11	U
2-chloronaphthalene	11	U
2-chlorophenol	11	U
2-methyl-4,6-dinitrophenol	54	U
2-methylnaphthalene	11	U
2-methylphenol	11	U
2-nitroaniline	54	U
2-nitrophenol	11	U
3,3'-dichlorobenzidine	22	U
3-nitroaniline	54	U
4-bromophenyl phenyl ether	11	U
4-chloro-3-methylphenol	11	U
4-chloroaniline	11	U
4-chlorophenyl phenyl ether	11	U

PARAMETER	RESULT	QUAL
4-methylphenol	11	U
4-nitroaniline	54	U
4-nitrophenol	54	U
Acenaphthene	11	U
Acenaphthylene	11	U
Anthracene	11	U
Benzo(a)anthracene	11	U
Benzo(a)pyrene	11	U
Benzo(b)fluoranthene	11	U
Benzo(g,h,i)perylene	11	U
Benzo(k)fluoranthene	11	U
Benzoic acid	54	U
Benzyl alcohol	11	U
Bis(2-chloroethoxy)methane	11	U
Bis(2-chloroethyl)ether	11	U
Bis(2-ethylhexyl)phthalate	11	U
Butyl benzyl phthalate	11	U
Chrysene	11	U
Di-n-butyl phthalate	11	U
Di-n-octyl phthalate	11	U
Dibenzo(a,h)anthracene	11	U
Dibenzofuran	11	U
Diethyl phthalate	11	U
Dimethyl phthalate	11	U
Fluoranthene	11	U
Fluorene	11	U
Hexachlorobenzene	11	U
Hexachlorobutadiene	11	U
Hexachlorocyclopentadiene	11	U
Hexachloroethane	11	U
Indeno(1,2,3-cd)pyrene	11	U
Isophorone	11	U
N-nitroso-di-n-propylamine	11	U
N-nitrosodiphenylamine	11	U
Naphthalene	11	U
Nitrobenzene	11	U
Pentachlorophenol	54	U
Phenanthrene	11	U
Phenol	11	U
Pyrene	11	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U

PARAMETER	RESULT	QUAL
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	11	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	5	U
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.052	U
alpha-BHC	0.052	U
alpha-chlordane	0.52	U
Aroclor-1016	0.52	U
Aroclor-1221	0.52	U
Aroclor-1232	0.52	U
Aroclor-1242	0.52	U
Aroclor-1248	0.52	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.052	U
delta-BHC	0.052	U
Dieldrin	0.1	U
Endosulfan I	0.052	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.052	U
gamma-chlordane	0.52	U

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PARAMETER	RESULT	QUAL
Heptachlor	0.052	U
Heptachlor epoxide	0.052	U
Methoxychlor	0.52	U
Toxaphene	1	U
I8MW8-2 MW8-2		**IT(1991)**
INORGANICS		
Aluminum	72000	
Antimony	57.5	B
Arsenic	50.5	
Barium	333	E
Beryllium	1.5	B
Cadmium	5	U
Chromium	49.2	
Cobalt	20	U
Copper	163	
Iron	30400	E
Lead	497	
Manganese	195	
Mercury	1.1	W
Nickel	27.2	B
Selenium	10	UW
Silver	25	U
Thallium	20	U
Vanadium	45.7	B
Zinc	664	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	50	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	50	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	20	U
3-nitroaniline	50	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U

PARAMETER	RESULT	QUAL
4-methylphenol	10	U
4-nitroaniline	50	U
4-nitrophenol	50	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	50	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	50	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U

PARAMETER	RESULT	QUAL
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	3	BJ
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	2	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U

PARAMETER	RESULT	QUAL
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Methoxychlor	0.5	U
Toxaphene	1	U
I8MW8-3 MW8-3		**IT(1991)**
INORGANICS		
Aluminum	11200	
Antimony	95.4	
Arsenic	24.5	W
Barium	295	
Beryllium	1	U
Cadmium	11.4	
Chromium	55.9	
Cobalt	20	U
Copper	345	
Cyanide	10	U
Iron	23400	
Lead	1870	
Manganese	161	E
Mercury	11.5	
Nickel	20	U
Selenium	10	UW
Silver	25	U
Thallium	20	UW
Vanadium	42.5	B
Zinc	1990	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	11	U
1,2-dichlorobenzene	11	U
1,3-dichlorobenzene	11	U
1,4-dichlorobenzene	11	U
2,4,5-trichlorophenol	54	U
2,4,6-trichlorophenol	11	U
2,4-dichlorophenol	11	U
2,4-dimethylphenol	11	U
2,4-dinitrophenol	54	U
2,4-dinitrotoluene	11	U
2,6-dinitrotoluene	11	U
2-chloronaphthalene	11	U
2-chlorophenol	11	U
2-methyl-4,6-dinitrophenol	54	U
2-methylnaphthalene	11	U
2-methylphenol	11	U
2-nitroaniline	54	U
2-nitrophenol	11	U
3,3'-dichlorobenzidine	22	U
3-nitroaniline	54	U
4-bromophenyl phenyl ether	11	U
4-chloro-3-methylphenol	11	U
4-chloroaniline	11	U

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PARAMETER	RESULT	QUAL
4-chlorophenyl phenyl ether	11	U
4-methylphenol	11	U
4-nitroaniline	54	U
4-nitrophenol	54	U
Acenaphthene	11	U
Acenaphthylene	11	U
Anthracene	11	U
Benzo(a)anthracene	11	U
Benzo(a)pyrene	11	U
Benzo(b)fluoranthene	11	U
Benzo(g,h,i)perylene	11	U
Benzo(k)fluoranthene	11	U
Benzoic acid	54	U
Benzyl alcohol	11	U
Bis(2-chloroethoxy)methane	11	U
Bis(2-chloroethyl)ether	11	U
Bis(2-ethylhexyl)phthalate	3	J
Butyl benzyl phthalate	11	U
Chrysene	11	U
Di-n-butyl phthalate	11	U
Di-n-octyl phthalate	11	U
Dibenzo(a,h)anthracene	11	U
Dibenzofuran	11	U
Diethyl phthalate	11	U
Dimethyl phthalate	11	U
Fluoranthene	11	U
Fluorene	11	U
Hexachlorobenzene	11	U
Hexachlorobutadiene	11	U
Hexachlorocyclopentadiene	11	U
Hexachloroethane	11	U
Indeno(1,2,3-cd)pyrene	11	U
Isophorone	11	U
N-nitroso-di-n-propylamine	11	U
N-nitrosodiphenylamine	11	U
Naphthalene	11	U
Nitrobenzene	11	U
Pentachlorophenol	54	U
Phenanthrene	11	U
Phenol	11	U
Pyrene	11	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	2	J
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U

PARAMETER	RESULT	QUAL
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	11	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	1	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.052	U
alpha-BHC	0.052	U
alpha-chlordane	0.52	U
Aroclor-1016	0.52	U
Aroclor-1221	0.52	U
Aroclor-1232	0.52	U
Aroclor-1242	0.52	U
Aroclor-1248	0.52	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.052	U
delta-BHC	0.052	U
Dieldrin	0.1	U
Endosulfan I	0.052	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.052	U
gamma-chlordane	0.52	U

PARAMETER	RESULT	QUAL
Heptachlor	0.052	U
Heptachlor epoxide	0.052	U
Methoxychlor	0.52	U
Toxaphene	1	U
I8MW8-4 MW8-4		IT(1991)
INORGANICS		
Aluminum	8050	
Antimony	30	U
Arsenic	14.7	W
Barium	106	B
Beryllium	1	U
Cadmium	12	
Chromium	10	U
Cobalt	20	U
Copper	10.4	B
Cyanide	10	U
Iron	5920	
Lead	22.3	
Manganese	96	E
Mercury	0.44	
Nickel	20	U
Selenium	20	UW
Silver	7.9	B
Thallium	20	UW
Vanadium	14.7	B
Zinc	323	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	10	U
2,4,5-trichlorophenol	50	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	50	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	20	U
3-nitroaniline	50	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U

PARAMETER	RESULT	QUAL
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	50	U
4-nitrophenol	50	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	50	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	3	J
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	50	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U

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PARAMETER	RESULT	QUAL
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	2	J
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	7	
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	2	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.05	U

PARAMETER	RESULT	QUAL
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Methoxychlor	0.5	U
Toxaphene	1	U
I8MW8-5 MW8-5		**IT(1991)**
INORGANICS		
Aluminum	3360	
Antimony	30	U
Arsenic	8	UW
Barium	90.4	B
Beryllium	1	U
Cadmium	15.6	
Chromium	14.8	
Cobalt	20	U
Copper	62.5	
Cyanide	10	U
Iron	3500	
Lead	59	W
Manganese	35.9	E
Mercury	0.22	
Nickel	20	U
Selenium	20	UW
Silver	25	U
Thallium	20	UW
Vanadium	27.6	B
Zinc	464	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	11	U
1,2-dichlorobenzene	11	U
1,3-dichlorobenzene	11	U
1,4-dichlorobenzene	11	U
2,4,5-trichlorophenol	53	U
2,4,6-trichlorophenol	11	U
2,4-dichlorophenol	11	U
2,4-dimethylphenol	11	U
2,4-dinitrophenol	53	U
2,4-dinitrotoluene	11	U
2,6-dinitrotoluene	11	U
2-chloronaphthalene	11	U
2-chlorophenol	11	U
2-methyl-4,6-dinitrophenol	53	U
2-methylnaphthalene	11	U
2-methylphenol	11	U
2-nitroaniline	53	U
2-nitrophenol	11	U
3,3'-dichlorobenzidine	21	U
3-nitroaniline	53	U
4-bromophenyl phenyl ether	11	U
4-chloro-3-methylphenol	11	U

PARAMETER	RESULT	QUAL
4-chloroaniline	11	U
4-chlorophenyl phenyl ether	11	U
4-methylphenol	11	U
4-nitroaniline	53	U
4-nitrophenol	53	U
Acenaphthene	11	U
Acenaphthylene	11	U
Anthracene	11	U
Benzo(a)anthracene	11	U
Benzo(a)pyrene	11	U
Benzo(b)fluoranthene	11	U
Benzo(g,h,i)perylene	11	U
Benzo(k)fluoranthene	11	U
Benzoic acid	53	U
Benzyl alcohol	11	U
Bis(2-chloroethoxy)methane	11	U
Bis(2-chloroethyl)ether	11	U
Bis(2-ethylhexyl)phthalate	9	J
Butyl benzyl phthalate	11	U
Chrysene	11	U
Di-n-butyl phthalate	11	U
Di-n-octyl phthalate	11	U
Dibenzo(a,h)anthracene	11	U
Dibenzofuran	11	U
Diethyl phthalate	11	U
Dimethyl phthalate	11	U
Fluoranthene	11	U
Fluorene	11	U
Hexachlorobenzene	11	U
Hexachlorobutadiene	11	U
Hexachlorocyclopentadiene	11	U
Hexachloroethane	11	U
Indeno(1,2,3-cd)pyrene	11	U
Isophorone	11	U
N-nitroso-di-n-propylamine	11	U
N-nitrosodiphenylamine	11	U
Naphthalene	11	U
Nitrobenzene	11	U
Pentachlorophenol	53	U
Phenanthrene	11	U
Phenol	11	U
Pyrene	11	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	10	U
1,1-dichloroethene	10	U
1,2-dichloroethane	5	U
1,2-dichloroethene	10	U

PARAMETER	RESULT	QUAL
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	11	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	3	J
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	2	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U

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PARAMETER	RESULT	QUAL
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Methoxychlor	0.5	U
Toxaphene	1	U
I8MW8-6 MW8-6-AVG		**IT(1991)**
INORGANICS		
Aluminum	31300	
Antimony	56.35	B
Arsenic	81.15	
Barium	314	
Beryllium	1	U
Cadmium	26.4	
Chromium	96	
Cobalt	20	U
Copper	370	
Cyanide	10	U
Iron	57200	
Lead	496.5	
Manganese	422.5	E
Mercury	3.6	
Nickel	22.6	B
Selenium	20	UW
Silver	25	U
Thallium	20	UW
Vanadium	46.9	B
Zinc	2630	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U
1,4-dichlorobenzene	36	
2,4,5-trichlorophenol	51	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	51	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	51	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	51	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	20.5	U
3-nitroaniline	51	U
4-bromophenyl phenyl ether	10	U

PARAMETER	RESULT	QUAL
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	51	U
4-nitrophenol	51	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	51	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	16.5	
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	51	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U

PARAMETER	RESULT	QUAL
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	4.5	J
Carbon tetrachloride	5	U
Chlorobenzene	63	
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	2	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.051	U
alpha-BHC	0.051	U
alpha-chlordane	0.51	U
Aroclor-1016	0.51	U
Aroclor-1221	0.51	U
Aroclor-1232	0.51	U
Aroclor-1242	0.51	U
Aroclor-1248	0.51	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.051	U
delta-BHC	0.051	U
Dieldrin	0.1	U
Endosulfan I	0.051	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U

PARAMETER	RESULT	QUAL
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.051	U
gamma-chlordane	0.51	U
Heptachlor	0.051	U
Heptachlor epoxide	0.051	U
Methoxychlor	0.51	U
Toxaphene	1	U
I8KWM-13R AS1239		**IT(1994)**
INORGANICS		
Antimony	78.4	
Arsenic	11.3	B
Barium	127	B
Beryllium	1	B
Cadmium	5	U
Chromium	12.3	
Cobalt	20	U
Copper	36.1	
Lead	114	
Mercury	0.66	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	109	B
Vanadium	10	U
Zinc	199	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.14	U*
Anthracene	0.13	U*
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	1.9	U*
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.16	U*
Chrysene	0.08	U
Dibenzo(a,h)anthracene	4.5	U*
Fluoranthene	0.08	U
Fluorene	11	U*
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	1.8	U*
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U

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PARAMETER	RESULT	QUAL
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	UNC
alpha-BHC	0.05	U
beta-BHC	0.09	UNC*
Chlordane	0.4	U*
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U

PARAMETER	RESULT	QUAL
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8KWM-14 AS1236		**IT(1994)**
INORGANICS		
Antimony	126	
Arsenic	10	U
Barium	36.4	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	327	
Lead	10	U
Mercury	0.23	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	94.6	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.35	U*
Fluorene	4.1	U*
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.1	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U*
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U

PARAMETER	RESULT	QUAL
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	3.8	U*
4,4'-DDT	0.1	U
Aldrin	0.06	U*
alpha-BHC	0.05	U
beta-BHC	1.8	UNC*
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	11	U*
Endosulfan I	0.4	UNC*
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	4.2	U*
Heptachlor	0.05	U*

PARAMETER	RESULT	QUAL
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8KWM-15 AS1238		**IT(1994)**
INORGANICS		
Antimony	77	
Arsenic	5.2	B
Barium	5.9	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	2	U
Mercury	0.2	U
Nickel	20	U
Selenium	2	U
Silver	5	U
Thallium	2	U
Tin	30	U
Vanadium	10	U
Zinc	9.9	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.11	U
Acenaphthylene	0.11	U
Anthracene	0.086	U
Benzo(a)anthracene	0.086	U
Benzo(a)pyrene	0.086	U
Benzo(b)fluoranthene	0.086	U
Benzo(g,h,i)perylene	0.086	U
Benzo(k)fluoranthene	0.086	U
Chrysene	0.086	U
Dibenzo(a,h)anthracene	0.086	U
Fluoranthene	0.65	U*
Fluorene	0.086	U
Indeno(1,2,3-cd)pyrene	0.086	U
Naphthalene	0.11	U
Phenanthrene	0.086	U
Pyrene	0.086	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.6	U*
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U

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PARAMETER	RESULT	QUAL
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	1.9	UNC*
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.21	UNC*
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	1.6	U*
Endosulfan I	0.2	U*
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	1.3	U*
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U

PARAMETER	RESULT	QUAL
Toxaphene	2	U
I8KWM-16R AS1267		IT(1994)
INORGANICS		
Antimony	197	
Arsenic	25.9	
Barium	53.8	B
Beryllium	1	U
Cadmium	5	U
Chromium	14.9	
Cobalt	20	U
Copper	27.6	
Lead	169	
Mercury	0.65	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10.5	B
Zinc	236	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U

PARAMETER	RESULT	QUAL
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8MW-1 AS1234		IT(1994)

PARAMETER	RESULT	QUAL
INORGANICS		
Antimony	177	
Arsenic	10	U
Barium	9.3	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	11.4	B
Lead	8	U
Mercury	0.23	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	15.8	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	2.8	U*
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.31	U*
Chrysene	0.08	U
Dibenzo(a,h)anthracene	6.4	U*
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.1	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U

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PARAMETER	RESULT	QUAL
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8MW-2 AS1232 IT(1994)		
INORGANICS		
Antimony	236	

PARAMETER	RESULT	QUAL
Arsenic	4.2	B
Barium	21.3	B
Beryllium	1.1	B
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	171	
Lead	20	U
Mercury	0.31	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	47.4	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U

PARAMETER	RESULT	QUAL
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8MW-3 AS1231 IT(1994)		
INORGANICS		
Antimony	225	
Arsenic	20	U
Barium	18.4	B

PARAMETER	RESULT	QUAL
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	99.3	
Lead	248	
Mercury	1.5	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	225	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U

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PARAMETER	RESULT	QUAL
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8MW-4 AS1229/30-AVG IT(1994)		
INORGANICS		
Antimony	207.5	
Arsenic	20	U
Barium	16.7	B
Beryllium	1	U
Cadmium	5	U

PARAMETER	RESULT	QUAL
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	40	U
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	53.4	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U

PARAMETER	RESULT	QUAL
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8MW-5 AS1228 IT(1994)		
INORGANICS		
Antimony	222	
Arsenic	20	U
Barium	11.1	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U

PARAMETER	RESULT	QUAL
Copper	10	U
Lead	40	U
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	12.5	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.082	U
Benzo(a)anthracene	0.082	U
Benzo(a)pyrene	0.082	U
Benzo(b)fluoranthene	0.082	U
Benzo(g,h,i)perylene	0.082	U
Benzo(k)fluoranthene	0.082	U
Chrysene	0.082	U
Dibenzo(a,h)anthracene	0.082	U
Fluoranthene	0.082	U
Fluorene	0.082	U
Indeno(1,2,3-cd)pyrene	0.082	U
Naphthalene	0.16	U
Phenanthrene	0.082	U
Pyrene	0.082	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U

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PARAMETER	RESULT	QUAL
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8MW-6 AS1224 IT(1994)		
INORGANICS		
Antimony	160	
Arsenic	5.4	B
Barium	16.8	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	62	
Lead	224	

PARAMETER	RESULT	QUAL
Mercury	0.2	U
Nickel	20	U
Selenium	6	U
Silver	5	U
Thallium	4	U
Tin	150	B
Vanadium	10	U
Zinc	225	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U

PARAMETER	RESULT	QUAL
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8MW-7 AS1223 IT(1994)		
INORGANICS		
Antimony	150	
Arsenic	20	U
Barium	16.1	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	70.5	
Mercury	0.25	
Nickel	20	U

PARAMETER	RESULT	QUAL
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	5	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U

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PARAMETER	RESULT	QUAL
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8MW-8 AS1221		**IT(1994)**
INORGANICS		
Antimony	223	
Arsenic	2	U
Barium	7.7	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	42.4	
Lead	93.4	
Mercury	0.22	
Nickel	20	U
Selenium	8	U
Silver	5	U

PARAMETER	RESULT	QUAL
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	78.4	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U

PARAMETER	RESULT	QUAL
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.4	U*
4,4'-DDE	0.05	U
4,4'-DDT	0.6	U*
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.27	U*
Endosulfan sulfate	0.5	U
Endrin	0.3	U*
Endrin aldehyde	0.4	U*
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8MW-9 AS1222		**IT(1994)**
INORGANICS		
Antimony	188	
Arsenic	4.4	B
Barium	17.3	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	10	U
Lead	40	U
Mercury	0.2	U
Nickel	20	U
Selenium	8	U
Silver	5	U
Thallium	11.6	
Tin	30	U

PARAMETER	RESULT	QUAL
Vanadium	10	U
Zinc	26.2	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U

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PARAMETER	RESULT	QUAL
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.3	U*
4,4'-DDE	0.05	U
4,4'-DDT	0.4	U*
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.2	U*
Endosulfan sulfate	0.5	U
Endrin	0.2	U*
Endrin aldehyde	0.3	U*
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8MW8-1 AS1233 IT(1994)		
INORGANICS		
Antimony	61.6	
Arsenic	11.1	
Barium	87.6	B
Beryllium	1	U
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	20.2	B
Lead	22.1	
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	10	U
Tin	50.9	B
Vanadium	10	U
Zinc	62.6	

PARAMETER	RESULT	QUAL
SEMIVOLATILE ORGANIC COMPOUNDS		
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.082	U
Benzo(a)anthracene	0.082	U
Benzo(a)pyrene	0.082	U
Benzo(b)fluoranthene	0.082	U
Benzo(g,h,i)perylene	0.082	U
Benzo(k)fluoranthene	0.082	U
Chrysene	0.082	U
Dibenzo(a,h)anthracene	0.082	U
Fluoranthene	0.082	U
Fluorene	0.082	U
Indeno(1,2,3-cd)pyrene	0.082	U
Naphthalene	0.16	U
Phenanthrene	0.082	U
Pyrene	0.35	
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8MW8-1 AS1561 IT(1994)		
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U*
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U

PARAMETER	RESULT	QUAL
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U*
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U*
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
I8MW8-2 AS1226/27-AVG IT(1994)		
INORGANICS		
Antimony	172	
Arsenic	20	U
Barium	131	B
Beryllium	1.1	B
Cadmium	5	U
Chromium	10	U
Cobalt	20	U
Copper	20.45	B
Lead	64	
Mercury	0.565	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	81	B
Vanadium	10	U
Zinc	97.45	

PARAMETER	RESULT	QUAL
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.82	
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.255	U*
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	4.65	U*
Ethylbenzene	2	U

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PARAMETER	RESULT	QUAL
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8MW8-3 AS1269		**IT(1994)**
INORGANICS		
Antimony	231	
Arsenic	10.1	B
Barium	96.8	B
Beryllium	1	U
Cadmium	5	U
Chromium	29.4	
Cobalt	20	U
Copper	108	
Lead	553	
Mercury	3.8	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	13.1	B
Zinc	805	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U

PARAMETER	RESULT	QUAL
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.08	U
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	0.08	U
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	0.16	U
Phenanthrene	0.08	U
Pyrene	0.6	
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U

PARAMETER	RESULT	QUAL
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8MW8-4 AS1240		**IT(1994)**
INORGANICS		
Antimony	165	
Arsenic	10	U
Barium	115	B
Beryllium	1	U
Cadmium	5	U
Chromium	14.4	
Cobalt	20	U
Copper	11.8	B
Lead	16.8	
Mercury	0.35	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	30	U
Vanadium	10	U
Zinc	49.7	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U

PARAMETER	RESULT	QUAL
Acenaphthene	0.1	U
Acenaphthylene	0.1	U
Anthracene	0.081	U*
Benzo(a)anthracene	0.08	U
Benzo(a)pyrene	0.08	U
Benzo(b)fluoranthene	0.08	U
Benzo(g,h,i)perylene	0.08	U
Benzo(k)fluoranthene	0.08	U
Chrysene	0.08	U
Dibenzo(a,h)anthracene	0.08	U
Fluoranthene	0.08	U
Fluorene	6.3	U*
Indeno(1,2,3-cd)pyrene	0.08	U
Naphthalene	1	U*
Phenanthrene	0.08	U
Pyrene	0.08	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U

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PARAMETER	RESULT	QUAL
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8MW8-5 AS1237 IT(1994)		
INORGANICS		
Antimony	161	
Arsenic	2.7	B
Barium	57	B
Beryllium	1	U
Cadmium	5	U
Chromium	25.1	
Cobalt	20	U
Copper	35.7	
Lead	15.7	
Mercury	0.2	U
Nickel	20	U
Selenium	10	U
Silver	5	U
Thallium	2	U
Tin	131	B
Vanadium	15.1	B
Zinc	58.2	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	0.1	U
Acenaphthylene	0.1	U

PARAMETER	RESULT	QUAL
Anthracene	0.083	U
Benzo(a)anthracene	0.083	U
Benzo(a)pyrene	0.083	U
Benzo(b)fluoranthene	0.083	U
Benzo(g,h,i)perylene	0.11	U*
Benzo(k)fluoranthene	0.083	U
Chrysene	0.083	U
Dibenzo(a,h)anthracene	0.11	U*
Fluoranthene	0.083	U
Fluorene	0.14	U*
Indeno(1,2,3-cd)pyrene	0.083	U
Naphthalene	0.1	U
Phenanthrene	0.083	U
Pyrene	0.083	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U

PARAMETER	RESULT	QUAL
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.05	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
beta-BHC	0.05	U
Chlordane	0.1	U
delta-BHC	0.1	U
Dieldrin	0.05	U
Endosulfan I	0.1	U
Endosulfan II	0.05	U
Endosulfan sulfate	0.5	U
Endrin	0.1	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.05	U
Heptachlor	0.05	U
Heptachlor epoxide	1	U
Methoxychlor	2	U
Toxaphene	2	U
I8MW8-6 AS1268 IT(1994)		
INORGANICS		
Aluminum	2800	
Antimony	111	
Arsenic	104	
Barium	42.5	B
Beryllium	1	U
Cadmium	5	U
Chromium	13.9	
Cobalt	20	U
Copper	112	
Cyanide	140	
Iron	15500	
Lead	149	
Manganese	180	
Mercury	0.79	
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	20	U
Tin	60.9	B
Vanadium	10	U
Zinc	336	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3-dichlorobenzene	10	U

PARAMETER	RESULT	QUAL
1,4-dichlorobenzene	8	J
2,4,5-trichlorophenol	52	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	52	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	52	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-nitroaniline	52	U
2-nitrophenol	10	U
3,3'-dichlorobenzidine	21	U
3-nitroaniline	52	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	52	U
4-nitrophenol	52	U
Acenaphthene	10	U
Acenaphthylene	10	U
Anthracene	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	52	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U

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PARAMETER	RESULT	QUAL
Hexachloroethane	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiphenylamine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
Pentachlorophenol	52	U
Phenanthrene	10	U
Phenol	10	U
Pyrene	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2-dichloroethane	5	U
1,2-dichloroethene	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-hexanone	10	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	4	J
Carbon tetrachloride	5	U
Chlorobenzene	17	
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Ethylbenzene	5	U
Methylene chloride	1	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,3-dichloropropene	5	U
Trichloroethene	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U

PARAMETER	RESULT	QUAL
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.17	DJZ
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Methoxychlor	0.5	U
Toxaphene	1	U
I8KWM-13R I8KWM-13R B&RE		
INORGANICS		
Aluminum	140	U
Antimony	4	U
Arsenic	4	U
Barium	157	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Iron	20	U
Lead	8.2	U
Manganese	111	U
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.098	U
2,4,5-TP (silvex)	0.098	U
2,4-D	0.098	U

PARAMETER	RESULT	QUAL
4,4'-DDD	2	U
4,4'-DDE	2	U
4,4'-DDT	2	U
Aldrin	1	U
alpha-BHC	1	U
Aroclor-1016	6.2	U
Aroclor-1221	6.2	U
Aroclor-1232	6.2	U
Aroclor-1242	6.2	U
Aroclor-1248	6.2	U
Aroclor-1254	6.2	U
Aroclor-1260	6.2	U
beta-BHC	1	U
Chlordane	12.5	U
delta-BHC	1	U
Dieldrin	2	U
Endosulfan I	1	U
Endosulfan II	2	U
Endosulfan sulfate	2	U
Endrin	2	U
Endrin aldehyde	2	U
gamma-BHC (lindane)	1	U
Heptachlor	1	U
Heptachlor epoxide	1	U
Methoxychlor	10	U
Methyl parathion	2.5	U
Parathion	2.5	U
Phorate	2.5	U
Toxaphene	50	U
I8KWM-14 I8KWM-14 B&RE		
INORGANICS		
Aluminum	140	U
Antimony	4	U
Arsenic	7.2	U
Barium	48	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Iron	20	U
Lead	3	U
Manganese	50.6	U
Mercury	0.5	
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U

PARAMETER	RESULT	QUAL
PESTICIDES/PCBs		
2,4,5-T	0.098	U
2,4,5-TP (silvex)	0.098	U
2,4-D	0.098	U
4,4'-DDD	0.04	U
4,4'-DDE	0.04	U
4,4'-DDT	0.04	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U
Chlordane	0.25	U
delta-BHC	0.02	U
Dieldrin	0.04	U
Endosulfan I	0.02	U
Endosulfan II	0.04	U
Endosulfan sulfate	0.04	U
Endrin	0.04	U
Endrin aldehyde	0.04	U
gamma-BHC (lindane)	0.02	U
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.05	U
Parathion	0.05	U
Phorate	0.05	U
Toxaphene	1	U
I8KWM-15 I8KWM-15 B&RE		
INORGANICS		
Aluminum	140	U
Antimony	4	U
Arsenic	26.9	U
Barium	11.2	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Iron	20	U
Lead	5.1	U
Manganese	10	U
Mercury	0.1	U
Nickel	4	U
Selenium	4	U

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PARAMETER	RESULT	QUAL
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.099	U
2,4,5-TP (silvex)	0.099	U
2,4-D	0.099	U
4,4'-DDD	0.4	U
4,4'-DDE	0.4	U
4,4'-DDT	0.4	U
Aldrin	0.2	U
alpha-BHC	0.2	U
Aroclor-1016	1.2	U
Aroclor-1221	1.2	U
Aroclor-1232	1.2	U
Aroclor-1242	1.2	U
Aroclor-1248	1.2	U
Aroclor-1254	1.2	U
Aroclor-1260	1.2	U
beta-BHC	0.2	U
Chlordane	2.5	U
delta-BHC	0.2	U
Dieldrin	0.4	U
Endosulfan I	0.2	U
Endosulfan II	0.4	U
Endosulfan sulfate	0.4	U
Endrin	0.4	U
Endrin aldehyde	0.4	U
gamma-BHC (lindane)	0.2	U
Heptachlor	0.2	U
Heptachlor epoxide	0.2	U
Methoxychlor	2	U
Methyl parathion	0.5	U
Parathion	0.5	U
Phorate	0.5	U
Toxaphene	10	U
I8KWM-16R 18KWM-16R		**B&RE**
PESTICIDES/PCBs		
2,4,5-T	0.098	U
2,4,5-TP (silvex)	0.098	U
2,4-D	0.098	U
I8KWM-16R I8KWM-16R		**B&RE**
INORGANICS		
Aluminum	140	U
Antimony	4	U
Arsenic	26.6	U
Barium	36.6	
Beryllium	0.2	U
Cadmium	0.4	U

PARAMETER	RESULT	QUAL
Chromium	2	U
Cobalt	2	U
Copper	4	U
Iron	20	U
Lead	4.4	U
Manganese	10	U
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4.3	
Vanadium	2	U
Zinc	2	U
PESTICIDES/PCBs		
4,4'-DDD	0.2	U
4,4'-DDE	0.2	U
4,4'-DDT	0.2	U
Aldrin	0.1	U
alpha-BHC	0.1	U
Aroclor-1016	0.62	U
Aroclor-1221	0.62	U
Aroclor-1232	0.62	U
Aroclor-1242	0.62	U
Aroclor-1248	0.62	U
Aroclor-1254	0.62	U
Aroclor-1260	0.62	U
beta-BHC	0.1	U
Chlordane	1.2	U
delta-BHC	0.1	U
Dieldrin	0.2	U
Endosulfan I	0.1	U
Endosulfan II	0.2	U
Endosulfan sulfate	0.2	U
Endrin	0.2	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.1	U
Heptachlor	0.1	U
Heptachlor epoxide	0.1	U
Methoxychlor	1	U
Methyl parathion	0.25	U
Parathion	0.25	U
Phorate	0.25	U
Toxaphene	5	U
I8MW8-1 I8MW8-1		**B&RE**
INORGANICS		
Aluminum	140	U
Antimony	4	U
Arsenic	6.4	U
Barium	109	
Beryllium	0.2	U

PARAMETER	RESULT	QUAL
Cadmium	0.4	U
Chromium	2	U
Cobalt	2.2	
Copper	4	U
Iron	20	U
Lead	3	U
Manganese	18.9	U
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.099	U
2,4,5-TP (silvex)	0.099	U
2,4-D	0.099	U
4,4'-DDD	0.8	U
4,4'-DDE	0.8	U
4,4'-DDT	0.8	U
Aldrin	0.4	U
alpha-BHC	0.4	U
Aroclor-1016	2.5	U
Aroclor-1221	2.5	U
Aroclor-1232	2.5	U
Aroclor-1242	2.5	U
Aroclor-1248	2.5	U
Aroclor-1254	2.5	U
Aroclor-1260	2.5	U
beta-BHC	0.4	U
Chlordane	5	U
delta-BHC	0.4	U
Dieldrin	0.8	U
Endosulfan I	0.4	U
Endosulfan II	0.8	U
Endosulfan sulfate	0.8	U
Endrin	0.8	U
Endrin aldehyde	0.8	U
gamma-BHC (lindane)	0.4	U
Heptachlor	0.62	J
Heptachlor epoxide	0.4	U
Methoxychlor	4	U
Methyl parathion	1	U
Parathion	1	U
Phorate	1	U
Toxaphene	20	U
I8MW8-2 I8MW8-2		**B&RE**
INORGANICS		
Aluminum	140	U

PARAMETER	RESULT	QUAL
Antimony	13.9	
Arsenic	5	U
Barium	162	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Iron	20	U
Lead	6.8	U
Manganese	10	U
Mercury	0.46	
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.099	U
2,4,5-TP (silvex)	0.099	U
2,4-D	0.099	U
4,4'-DDD	0.2	U
4,4'-DDE	0.2	U
4,4'-DDT	0.2	U
Aldrin	0.1	U
alpha-BHC	0.1	U
Aroclor-1016	0.62	U
Aroclor-1221	0.62	U
Aroclor-1232	0.62	U
Aroclor-1242	0.62	U
Aroclor-1248	0.62	U
Aroclor-1254	0.62	U
Aroclor-1260	0.62	U
beta-BHC	0.1	U
Chlordane	1.2	U
delta-BHC	0.1	U
Dieldrin	0.2	U
Endosulfan I	0.1	U
Endosulfan II	0.2	U
Endosulfan sulfate	0.2	U
Endrin	0.2	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.1	U
Heptachlor	0.1	U
Heptachlor epoxide	0.1	U
Methoxychlor	1	U
Methyl parathion	0.25	U
Parathion	0.25	U
Phorate	0.25	U

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PARAMETER	RESULT	QUAL
Toxaphene	5	U
I8MW8-3 I8MW8-3-AVG		**B&RE**
INORGANICS		
Aluminum	140	U
Antimony	4.1	
Arsenic	4.3	U
Barium	54.7	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Iron	20	U
Lead	8.5	U
Manganese	10	U
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	3.95	
Vanadium	2	U
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.098	U
2,4,5-TP (silvex)	0.098	U
2,4-D	0.098	U
4,4'-DDD	1.1	U
4,4'-DDE	1.1	U
4,4'-DDT	1.1	U
Aldrin	0.55	U
alpha-BHC	0.55	U
Aroclor-1016	3.41	U
Aroclor-1221	3.41	U
Aroclor-1232	3.41	U
Aroclor-1242	3.41	U
Aroclor-1248	3.41	U
Aroclor-1254	3.41	U
Aroclor-1260	3.41	U
beta-BHC	0.55	U
Chlordane	6.85	U
delta-BHC	0.55	U
Dieldrin	1.1	U
Endosulfan I	0.55	U
Endosulfan II	1.1	U
Endosulfan sulfate	1.1	U
Endrin	1.1	U
Endrin aldehyde	1.1	U
gamma-BHC (lindane)	0.55	U
Heptachlor	0.55	U
Heptachlor epoxide	0.55	U

PARAMETER	RESULT	QUAL
Methoxychlor	5.5	U
Methyl parathion	1.375	U
Parathion	1.375	U
Phorate	1.375	U
Toxaphene	27.5	U
I8MW8-4 I8MW8-4		**B&RE**
INORGANICS		
Aluminum	140	U
Antimony	42.3	
Arsenic	7.2	U
Barium	179	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2.1	U
Cobalt	2	U
Copper	4	U
Iron	20	U
Lead	3	U
Manganese	10	U
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.1	U
2,4,5-TP (silvex)	0.26	
2,4-D	0.48	J
4,4'-DDD	0.4	U
4,4'-DDE	0.4	U
4,4'-DDT	0.4	U
Aldrin	0.2	U
alpha-BHC	0.2	U
Aroclor-1016	1.2	U
Aroclor-1221	1.2	U
Aroclor-1232	1.2	U
Aroclor-1242	1.2	U
Aroclor-1248	1.2	U
Aroclor-1254	1.2	U
Aroclor-1260	1.2	U
beta-BHC	0.2	U
Chlordane	2.5	U
delta-BHC	0.2	U
Dieldrin	0.4	U
Endosulfan I	0.2	U
Endosulfan II	0.4	U
Endosulfan sulfate	0.4	U
Endrin	0.4	U

PARAMETER	RESULT	QUAL
Endrin aldehyde	0.4	U
gamma-BHC (lindane)	0.2	U
Heptachlor	0.2	U
Heptachlor epoxide	0.2	U
Methoxychlor	2	U
Methyl parathion	0.5	U
Parathion	0.5	U
Phorate	0.5	U
Toxaphene	10	U
I8MW8-5 I8MW8-5		**B&RE**
INORGANICS		
Aluminum	140	U
Antimony	4	U
Arsenic	4	U
Barium	25.7	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Iron	40.2	U
Lead	4.3	U
Manganese	10	U
Mercury	0.19	
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.097	U
2,4,5-TP (silvex)	0.097	U
2,4-D	0.097	U
4,4'-DDD	0.04	U
4,4'-DDE	0.04	U
4,4'-DDT	0.04	U
Aldrin	0.02	U
alpha-BHC	0.02	U
Aroclor-1016	0.12	U
Aroclor-1221	0.12	U
Aroclor-1232	0.12	U
Aroclor-1242	0.12	U
Aroclor-1248	0.12	U
Aroclor-1254	0.12	U
Aroclor-1260	0.12	U
beta-BHC	0.02	U
Chlordane	0.25	U
delta-BHC	0.02	U
Dieldrin	0.04	U

PARAMETER	RESULT	QUAL
Endosulfan I	0.02	U
Endosulfan II	0.04	U
Endosulfan sulfate	0.04	U
Endrin	0.04	U
Endrin aldehyde	0.04	U
gamma-BHC (lindane)	0.02	U
Heptachlor	0.02	U
Heptachlor epoxide	0.02	U
Methoxychlor	0.2	U
Methyl parathion	0.05	U
Parathion	0.05	U
Phorate	0.05	U
Toxaphene	1	U
I8MW8-6 I8MW8-6		**B&RE**
INORGANICS		
Aluminum	140	U
Antimony	5	
Arsenic	17.1	U
Barium	81.2	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Iron	313	U
Lead	3	U
Manganese	22	U
Mercury	0.13	
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.099	U
2,4,5-TP (silvex)	0.099	U
2,4-D	0.099	U
4,4'-DDD	0.2	U
4,4'-DDE	0.2	U
4,4'-DDT	0.2	U
Aldrin	0.1	U
alpha-BHC	0.1	U
Aroclor-1016	0.62	U
Aroclor-1221	0.62	U
Aroclor-1232	0.62	U
Aroclor-1242	0.62	U
Aroclor-1248	0.62	U
Aroclor-1254	0.62	U
Aroclor-1260	0.62	U

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PARAMETER	RESULT	QUAL
beta-BHC	0.1	U
Chlordane	1.2	U
delta-BHC	0.1	U
Dieldrin	0.2	U
Endosulfan I	0.1	U
Endosulfan II	0.2	U
Endosulfan sulfate	0.2	U
Endrin	0.2	U
Endrin aldehyde	0.2	U
gamma-BHC (lindane)	0.1	U
Heptachlor	0.1	U
Heptachlor epoxide	0.1	U
Methoxychlor	1	U
Methyl parathion	0.25	U
Parathion	0.25	U
Phorate	0.25	U
Toxaphene	5	U
SWMU 4		
S4MW-2 AS1136		**IT(1994)**
INORGANICS		
Antimony	78.7	
Arsenic	7.6	B
Barium	34.9	B
Beryllium	1	U
Cadmium	5	U
Chromium	28.9	
Cobalt	20	U
Copper	10	U
Cyanide	250	
Lead	7.6	
Mercury	0.2	U
Nickel	20	U
Selenium	20	U
Silver	5	U
Thallium	2	U
Tin	50.6	B
Vanadium	12.5	B
Zinc	19.4	B
MISCELLANEOUS		
Sulfide	32000	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	10	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	1000	U
1,4-naphthoquinone	10	U

PARAMETER	RESULT	QUAL
1-naphthylamine	120	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	50	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	5	J
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	170	U
2-nitroaniline	50	U
2-nitrophenol	10	U
2-picoline	71	U
3,3'-dichlorobenzidine	20	U
3,3'-dimethylbenzidine	81	U
3-methylcholanthrene	30	U
3-methylphenol	10	U
3-nitroaniline	50	U
4-aminobiphenyl	50	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	50	U
4-nitrophenol	50	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	20	U
7,12-dimethylbenz(a)anthracene	20	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	50	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U

PARAMETER	RESULT	QUAL
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	20	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachlorophene	50	U
Hexachloropropene	20	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	40	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	20	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	30	U
p-phenylenediamine	50	U
Pentachlorobenzene	20	U
Pentachloroethane	20	U
Pentachloronitrobenzene	20	U
Pentachlorophenol	50	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	30	U
Pyrene	10	U

PARAMETER	RESULT	QUAL
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	5	U
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2,3-trichloropropane	5	U
1,2-dibromo-3-chloropropane	5	U
1,2-dibromoethane	5	U
1,2-dichloroethane	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-chloro-1,3-butadiene	5	U
2-hexanone	10	U
3-chloropropene	5	U
4-methyl-2-pentanone	10	U
Acetone	7	J
Acetonitrile	100	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	2	J
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,2-dichloroethene	5	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Dibromomethane	5	U
Dichlorodifluoromethane	20	U
Ethyl cyanide	100	U
Ethylbenzene	5	U
Iodomethane	5	U
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	1	JB
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,2-dichloroethene	5	U
Trans-1,3-dichloropropene	5	U

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PARAMETER	RESULT	QUAL
Trans-1,4-dichloro-2-butene	20	U
Trichloroethene	5	U
Trichlorofluoromethane	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
2,4,5-T	2	U
2,4,5-TP (silvex)	2	U
2,4-D	2	U
Dimethoate	0.5	U
Dinoseb	20	U
Disulfoton	0.5	U
Famphur	0.5	U
Methyl parathion	0.5	U
Parathion	0.5	U
Phorate	1	U
Sulfotep	1	U
Thionazin	0.5	U
S4MW-2 AS1565		**IT(1994)**
PESTICIDES/PCBs		
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlorobenzilate	0.5	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Isodrin	0.05	U
Kepone	0.1	U
Methoxychlor	0.5	U

PARAMETER	RESULT	QUAL
Toxaphene	1	U
S4MW-3 AS1138		**IT(1994)**
INORGANICS		
Antimony	30	U
Arsenic	11.3	
Barium	16.2	B
Beryllium	1	U
Cadmium	5	U
Chromium	17	
Cobalt	20	U
Copper	10	U
Lead	2.3	B
Mercury	0.2	U
Nickel	20	U
Selenium	8	U
Silver	5	U
Thallium	2	U
Tin	30	U
Vanadium	10.4	B
Zinc	14.2	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
Acenaphthene	2.8	U*
Acenaphthylene	0.1	U
Anthracene	7.8	U*
Benzo(a)anthracene	7.2	U*
Benzo(a)pyrene	0.082	U
Benzo(b)fluoranthene	0.082	U
Benzo(g,h,i)perylene	0.082	U
Benzo(k)fluoranthene	0.082	U
Chrysene	4.1	U*
Dibenzo(a,h)anthracene	0.082	U
Fluoranthene	7.4	U*
Fluorene	8.6	U*
Indeno(1,2,3-cd)pyrene	0.082	U
Naphthalene	0.1	U
Phenanthrene	3.3	
Pyrene	3.2	U*
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U*
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	4.5	
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U

PARAMETER	RESULT	QUAL
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U*
Ethylbenzene	12	U*
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U*
Vinyl chloride	2.7	
Xylenes, total	1	U*
PESTICIDES/PCBs		
Aroclor-1016	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
S4MW-2 S4MW-2		**B&RE**
INORGANICS		
Aluminum	28	U
Antimony	4	UJ
Arsenic	4	U
Barium	5	U
Beryllium	0.2	U
Cadmium	0.4	UJ
Chromium	2	U
Cobalt	2	U
Copper	4.1	U
Cyanide	1.4	U
Iron	29.3	U
Lead	3	UJ

PARAMETER	RESULT	QUAL
Manganese	9.9	U
Mercury	0.44	U
Nickel	4	U
Selenium	4	UJ
Silver	2	U
Thallium	4.8	U
Vanadium	2	U
Zinc	2	UJ
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	20	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	10	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	20	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	10	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	U
2-picoline	10	U
3,3'-dichlorobenzidine	50	U
3,3'-dimethylbenzidine	20	U
3-methylcholanthrene	10	U
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	10	U
4-nitrophenol	10	U

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PARAMETER	RESULT	QUAL
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	10	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	U

PARAMETER	RESULT	QUAL
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U
Pentachloronitrobenzene	10	U
Pentachlorophenol	10	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	2	U
1,1,1-trichloroethane	2	U
1,1,2,2-tetrachloroethane	2	U
1,1,2-trichloroethane	2	U
1,1-dichloroethane	2	
1,1-dichloroethene	2	U
1,2,3-trichloropropane	2	U
1,2-dibromo-3-chloropropane	2	U
1,2-dibromoethane	2	U
1,2-dichloroethane	2	U
1,2-dichloropropane	2	U
2-butanone	5	U
2-chloro-1,3-butadiene	2	U
2-hexanone	5	U
3-chloropropene	10	U
4-methyl-2-pentanone	5	U
Acetone	10	U
Acetonitrile	10	U
Acrolein	20	U
Acrylonitrile	20	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	2	U
Bromoform	2	U
Bromomethane	2	U
Carbon disulfide	5	U
Carbon tetrachloride	2	U
Chlorobenzene	2	U
Chloroethane	2	U
Chloroform	2	U

PARAMETER	RESULT	QUAL
Chloromethane	2	U
Cis-1,3-dichloropropene	2	U
Dibromochloromethane	2	U
Dibromomethane	2	U
Dichlorodifluoromethane	2	U
Ethyl cyanide	20	U
Ethylbenzene	2	U
Iodomethane	5	U
Isobutanol	20	U
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	5	U
Styrene	2	U
Tetrachloroethene	2	U
Toluene	2	U
Trans-1,2-dichloroethene	2	U
Trans-1,3-dichloropropene	2	U
Trans-1,4-dichloro-2-butene	10	U
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl acetate	5	U
Vinyl chloride	0.77	J
Xylenes, total	4	U
PESTICIDES/PCBs		
Chlorobenzilate	10	U
Dimethoate	10	U
Dinoseb	10	U
Disulfoton	10	U
Famphur	10	U
Isodrin	10	U
Kepone	10	U
Sulfotep	10	U
Thionazin	10	U
S4MW-3 S4MW-3-AVG		**B&RE**
INORGANICS		
Aluminum	28	U
Antimony	4	UJ
Arsenic	4	U
Barium	2.45	U
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U
Iron	123.5	U
Lead	3	U
Manganese	2	U
Mercury	0.77	U
Nickel	4	U

PARAMETER	RESULT	QUAL
Selenium	4	UJ
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	20	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	10	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	20	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	10	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	U
2-picoline	10	U
3,3'-dichlorobenzidine	35	U
3,3'-dimethylbenzidine	20	U
3-methylcholanthrene	10	U
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	10	U
4-nitrophenol	10	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U

Keywest MOD01 Supplemental RFI/RI Sites
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PARAMETER	RESULT	QUAL
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	12.2	J
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	10	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U

PARAMETER	RESULT	QUAL
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U
Pentachloronitrobenzene	10	U
Pentachlorophenol	10	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	2	U
1,1,1-trichloroethane	2	U
1,1,2,2-tetrachloroethane	2	U
1,1,2-trichloroethane	2	U
1,1-dichloroethane	2	U
1,1-dichloroethene	2	U
1,2,3-trichloropropane	2	U
1,2-dibromo-3-chloropropane	2	U
1,2-dibromoethane	2	U
1,2-dichloroethane	2	U
1,2-dichloropropane	2	U
2-butanone	5	U
2-chloro-1,3-butadiene	2	U
2-hexanone	5	U
3-chloropropene	10	U
4-methyl-2-pentanone	5	U
Acetone	51.7	U
Acetonitrile	10	U
Acrolein	20	U
Acrylonitrile	20	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	2	U
Bromoform	2	U
Bromomethane	2	U
Carbon disulfide	5	U
Carbon tetrachloride	2	U
Chlorobenzene	2	U
Chloroethane	2	U
Chloroform	2	U
Chloromethane	2	U
Cis-1,3-dichloropropene	2	U
Dibromochloromethane	2	U

PARAMETER	RESULT	QUAL
Dibromomethane	2	U
Dichlorodifluoromethane	6.2	
Ethyl cyanide	20	U
Ethylbenzene	2	U
Iodomethane	5	U
Isobutanol	20	U
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	5	U
Styrene	2	U
Tetrachloroethene	2	U
Toluene	2	U
Trans-1,2-dichloroethene	2	U
Trans-1,3-dichloropropene	2	U
Trans-1,4-dichloro-2-butene	10	U
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl acetate	5	U
Vinyl chloride	3.05	
Xylenes, total	4	U
PESTICIDES/PCBs		
Chlorobenzilate	10	U
Dimethoate	10	U
Dinoseb	10	U
Disulfoton	10	U
Famphur	10	U
Isodrin	10	U
Kepone	10	U
Sulfotep	10	U
Thionazin	10	U
S4MW-5 S4MW-5 B&RE		
INORGANICS		
Aluminum	28	U
Antimony	4	UJ
Arsenic	4	U
Barium	7.5	U
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U
Iron	99.1	U
Lead	3	U
Manganese	2	U
Mercury	0.1	U
Nickel	4	U
Selenium	4	UJ
Silver	2	U
Thallium	4	U

PARAMETER	RESULT	QUAL
Vanadium	2	U
Zinc	4	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	20	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	10	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	20	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	10	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	U
2-picoline	10	U
3,3'-dichlorobenzidine	50	U
3,3'-dimethylbenzidine	20	U
3-methylcholanthrene	10	U
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	10	U
4-nitrophenol	10	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U

Keywest MOD01 Sup[illegible]nental RFI/RI Sites
Groundw[illegible]r Data Set

PARAMETER	RESULT	QUAL
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	10	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U

PARAMETER	RESULT	QUAL
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U
Pentachloronitrobenzene	10	U
Pentachlorophenol	10	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	2	U
1,1,1-trichloroethane	2	U
1,1,2,2-tetrachloroethane	2	U
1,1,2-trichloroethane	2	U
1,1-dichloroethane	2	U
1,1-dichloroethene	2	U
1,2,3-trichloropropane	2	U
1,2-dibromo-3-chloropropane	2	U
1,2-dibromoethane	2	U
1,2-dichloroethane	2	U
1,2-dichloropropane	2	U
2-butanone	5	U
2-chloro-1,3-butadiene	2	U
2-hexanone	5	U
3-chloropropene	10	U
4-methyl-2-pentanone	5	U
Acetone	10	U
Acetonitrile	10	U
Acrolein	20	U
Acrylonitrile	20	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	2	U
Bromoform	2	U
Bromomethane	2	U
Carbon disulfide	5	U
Carbon tetrachloride	2	U
Chlorobenzene	2	U
Chloroethane	2	U
Chloroform	2	U
Chloromethane	2	U
Cis-1,3-dichloropropene	2	U
Dibromochloromethane	2	U
Dibromomethane	2	U
Dichlorodifluoromethane	2	U
Ethyl cyanide	20	U

PARAMETER	RESULT	QUAL
Ethylbenzene	2.3	
Iodomethane	5	U
Isobutanol	20	U
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	5	U
Styrene	44.6	
Tetrachloroethene	2	U
Toluene	2	U
Trans-1,2-dichloroethene	2	U
Trans-1,3-dichloropropene	2	U
Trans-1,4-dichloro-2-butene	10	U
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl acetate	5	U
Vinyl chloride	2	U
Xylenes, total	3.2	J
PESTICIDES/PCBs		
Chlorobenzilate	10	U
Dimethoate	10	U
Dinoseb	10	U
Disulfoton	10	U
Famphur	10	U
Isodrin	10	U
Kepone	10	U
Sulfotep	10	U
Thionazin	10	U
S4MW-6 S4MW-6		**B&RE**
INORGANICS		
Aluminum	28	U
Antimony	4	UJ
Arsenic	4	U
Barium	3.6	U
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U
Iron	142	U
Lead	3	U
Manganese	2	UJ
Mercury	0.12	U
Nickel	4	U
Selenium	4	UJ
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	UJ
SEMIVOLATILE ORGANIC COMPOUNDS		

PARAMETER	RESULT	QUAL
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	20	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	11.9	
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	10	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	20	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	10	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	U
2-picoline	10	U
3,3'-dichlorobenzidine	50	U
3,3'-dimethylbenzidine	20	U
3-methylcholanthrene	10	U
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	10	U
4-nitrophenol	10	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U

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PARAMETER	RESULT	QUAL
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	10	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U

PARAMETER	RESULT	QUAL
Pentachloroethane	10	U
Pentachloronitrobenzene	10	U
Pentachlorophenol	10	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	2	U
1,1,1-trichloroethane	2	U
1,1,2,2-tetrachloroethane	2	U
1,1,2-trichloroethane	2	U
1,1-dichloroethane	4	
1,1-dichloroethene	2	U
1,2,3-trichloropropane	2	U
1,2-dibromo-3-chloropropane	2	U
1,2-dibromoethane	2	U
1,2-dichloroethane	2	U
1,2-dichloropropane	2	U
2-butanone	5	U
2-chloro-1,3-butadiene	2	U
2-hexanone	5	U
3-chloropropene	10	U
4-methyl-2-pentanone	5	U
Acetone	25.4	U
Acetonitrile	10	U
Acrolein	20	U
Acrylonitrile	20	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	2	U
Bromoform	2	U
Bromomethane	2	U
Carbon disulfide	5	U
Carbon tetrachloride	2	U
Chlorobenzene	2	U
Chloroethane	2	U
Chloroform	0.28	J
Chloromethane	2	U
Cis-1,3-dichloropropene	2	U
Dibromochloromethane	2	U
Dibromomethane	2	U
Dichlorodifluoromethane	2	U
Ethyl cyanide	20	U
Ethylbenzene	2	U
Iodomethane	5	U
Isobutanol	20	U

PARAMETER	RESULT	QUAL
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	5	U
Styrene	3.1	
Tetrachloroethene	2	U
Toluene	2	U
Trans-1,2-dichloroethene	2	U
Trans-1,3-dichloropropene	2	U
Trans-1,4-dichloro-2-butene	10	U
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl acetate	5	U
Vinyl chloride	2	U
Xylenes, total	4	U
PESTICIDES/PCBs		
Chlorobenzilate	10	U
Dimethoate	10	U
Dinoseb	10	U
Disulfoton	10	U
Famphur	10	U
Isodrin	10	U
Kepone	10	U
Sulfotep	10	U
Thionazin	10	U
S4MW-7 S4MW-7		**B&RE**
INORGANICS		
Aluminum	28	U
Antimony	4	UJ
Arsenic	4	U
Barium	3.4	U
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U
Iron	43.1	U
Lead	3	U
Manganese	2	U
Mercury	0.1	U
Nickel	4	U
Selenium	4	UJ
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	10	UJ
1,2,4-trichlorobenzene	10	UJ
1,2-dichlorobenzene	10	UJ

PARAMETER	RESULT	QUAL
1,3,5-trinitrobenzene	20	UJ
1,3-dichlorobenzene	10	UJ
1,3-dinitrobenzene	10	UJ
1,4-dichlorobenzene	10	UJ
1,4-dioxane	10	UJ
1,4-naphthoquinone	10	UJ
1-naphthylamine	10	UJ
2,3,4,6-tetrachlorophenol	10	UJ
2,4,5-trichlorophenol	10	UJ
2,4,6-trichlorophenol	10	UJ
2,4-dichlorophenol	10	UJ
2,4-dimethylphenol	10	UJ
2,4-dinitrophenol	20	UJ
2,4-dinitrotoluene	10	UJ
2,6-dichlorophenol	10	UJ
2,6-dinitrotoluene	10	UJ
2-acetylaminofluorene	10	UJ
2-chloronaphthalene	10	UJ
2-chlorophenol	10	UJ
2-methyl-4,6-dinitrophenol	10	UJ
2-methylnaphthalene	10	UJ
2-methylphenol	10	UJ
2-naphthylamine	10	UJ
2-nitroaniline	10	UJ
2-nitrophenol	10	UJ
2-picoline	10	UJ
3,3'-dichlorobenzidine	50	UJ
3,3'-dimethylbenzidine	20	UJ
3-methylcholanthrene	10	UJ
3-nitroaniline	10	UJ
4-aminobiphenyl	10	UJ
4-bromophenyl phenyl ether	10	UJ
4-chloro-3-methylphenol	10	UJ
4-chloroaniline	10	UJ
4-chlorophenyl phenyl ether	10	UJ
4-methylphenol	10	UJ
4-nitroaniline	10	UJ
4-nitrophenol	10	UJ
4-nitroquinoline-1-oxide	10	UJ
5-nitro-o-toluidine	10	UJ
7,12-dimethylbenz(a)anthracene	10	UJ
a,a-dimethylphenethylamine	10	UJ
Acenaphthene	10	UJ
Acenaphthylene	10	UJ
Acetophenone	10	UJ
Aniline	10	UJ
Anthracene	10	UJ
Aramite	10	UJ
Benzo(a)anthracene	10	UJ
Benzo(a)pyrene	10	UJ

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PARAMETER	RESULT	QUAL
Benzo(b)fluoranthene	10	UJ
Benzo(g,h,i)perylene	10	UJ
Benzo(k)fluoranthene	10	UJ
Benzyl alcohol	10	UJ
Bis(2-chloroethoxy)methane	10	UJ
Bis(2-chloroethyl)ether	10	UJ
Bis(2-ethylhexyl)phthalate	10	UJ
Butyl benzyl phthalate	10	UJ
Chrysene	10	UJ
Di-n-butyl phthalate	10	UJ
Di-n-octyl phthalate	10	UJ
Diallate	10	UJ
Dibenzo(a,h)anthracene	10	UJ
Dibenzofuran	10	UJ
Diethyl phthalate	10	UJ
Dimethyl phthalate	10	UJ
Diphenylamine	10	UJ
Ethyl methacrylate	10	UJ
Ethyl methanesulfonate	10	UJ
Fluoranthene	10	UJ
Fluorene	10	UJ
Hexachlorobenzene	10	UJ
Hexachlorobutadiene	10	UJ
Hexachlorocyclopentadiene	10	UJ
Hexachloroethane	10	UJ
Hexachloropropene	10	UJ
Indeno(1,2,3-cd)pyrene	10	UJ
Isophorone	10	UJ
Isosafrole	10	UJ
Methapyrilene	10	UJ
Methyl methanesulfonate	10	UJ
N-nitroso-di-n-butylamine	10	UJ
N-nitroso-di-n-propylamine	10	UJ
N-nitrosodiethylamine	10	UJ
N-nitrosodimethylamine	10	UJ
N-nitrosodiphenylamine	10	UJ
N-nitrosomethylethylamine	10	UJ
N-nitrosomorpholine	10	UJ
N-nitrosopiperidine	10	UJ
N-nitrosopyrrolidine	10	UJ
Naphthalene	10	UJ
Nitrobenzene	10	UJ
o,o,o-triethylphosphorothioate	10	UJ
o-toluidine	10	UJ
p-dimethylaminoazobenzene	10	UJ
p-phenylenediamine	20	UJ
Pentachlorobenzene	10	UJ
Pentachloroethane	10	UJ
Pentachloronitrobenzene	10	UJ
Pentachlorophenol	10	UJ

PARAMETER	RESULT	QUAL
Phenacetin	10	UJ
Phenanthrene	10	UJ
Phenol	10	UJ
Pronamide	10	UJ
Pyrene	10	UJ
Pyridine	10	UJ
Safrole	10	UJ
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	2	U
1,1,1-trichloroethane	2	U
1,1,2,2-tetrachloroethane	2	U
1,1,2-trichloroethane	2	U
1,1-dichloroethane	2	U
1,1-dichloroethene	2	U
1,2,3-trichloropropane	2	U
1,2-dibromo-3-chloropropane	2	U
1,2-dibromoethane	2	U
1,2-dichloroethane	2	U
1,2-dichloropropane	2	U
2-butanone	5	U
2-chloro-1,3-butadiene	2	U
2-hexanone	5	U
3-chloropropene	10	U
4-methyl-2-pentanone	5	U
Acetone	10.8	U
Acetonitrile	10	U
Acrolein	20	U
Acrylonitrile	20	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	2	U
Bromoform	2	U
Bromomethane	2	U
Carbon disulfide	5	U
Carbon tetrachloride	2	U
Chlorobenzene	2	U
Chloroethane	2	U
Chloroform	2	U
Chloromethane	2	U
Cis-1,3-dichloropropene	2	U
Dibromochloromethane	2	U
Dibromomethane	2	U
Dichlorodifluoromethane	2	U
Ethyl cyanide	20	U
Ethylbenzene	2	U
Iodomethane	5	U
Isobutanol	20	U
Methacrylonitrile	10	U
Methyl methacrylate	10	UJ
Methylene chloride	5	U

PARAMETER	RESULT	QUAL
Styrene	2	U
Tetrachloroethene	2	U
Toluene	2	U
Trans-1,2-dichloroethene	2	U
Trans-1,3-dichloropropene	2	U
Trans-1,4-dichloro-2-butene	10	U
Trichloroethene	2	U
Trichlorofluoromethane	2	U
Vinyl acetate	5	U
Vinyl chloride	2	U
Xylenes, total	4	U
PESTICIDES/PCBs		
Chlorobenzilate	10	UJ
Dimethoate	10	UJ
Dinoseb	10	UJ
Disulfoton	10	UJ
Famphur	10	UJ
Isodrin	10	UJ
Kepone	10	UJ
Sulfotep	10	UJ
Thionazin	10	UJ
SWMU 5		
S5MW-2 AS1060 IT(1994)		
INORGANICS		
Antimony	31.8	B
Arsenic	3.4	B
Barium	54.7	B
Beryllium	1.3	B
Cadmium	5	U
Chromium	32.3	
Cobalt	20	U
Copper	10	U
Cyanide	230	
Lead	9.8	
Mercury	0.2	U
Nickel	20	U
Selenium	10	U
Silver	5	U
Thallium	2	U
Tin	30	U
Vanadium	10	U
Zinc	82.4	
MISCELLANEOUS		
Sulfide	4000	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	10	U
1,3-dichlorobenzene	10	U

PARAMETER	RESULT	QUAL
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	1000	U
1,4-naphthoquinone	10	U
1-naphthylamine	120	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	50	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	170	U
2-nitroaniline	50	U
2-nitrophenol	10	U
2-picoline	70	U
3,3'-dichlorobenzidine	20	U
3,3'-dimethylbenzidine	80	U
3-methylcholanthrene	30	U
3-methylphenol	10	U
3-nitroaniline	50	U
4-aminobiphenyl	50	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	50	U
4-nitrophenol	50	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	20	U
7,12-dimethylbenz(a)anthracene	20	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U

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PARAMETER	RESULT	QUAL
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	50	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	4	J
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachlorophene	50	U
Hexachloropropene	20	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	40	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	20	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	30	U
p-phenylenediamine	50	U
Pentachlorobenzene	20	U
Pentachloroethane	20	U
Pentachloronitrobenzene	20	U

PARAMETER	RESULT	QUAL
Pentachlorophenol	50	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	30	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	5	U
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2,3-trichloropropane	5	U
1,2-dibromo-3-chloropropane	5	U
1,2-dibromoethane	5	U
1,2-dichloroethane	5	U
1,2-dichloropropane	5	U
2-butanone	10	U
2-chloro-1,3-butadiene	5	U
2-hexanone	10	U
3-chloropropene	5	U
4-methyl-2-pentanone	10	U
Acetone	10	U
Acetonitrile	100	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,2-dichloroethene	5	U
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Dibromomethane	5	U
Dichlorodifluoromethane	20	U
Ethyl cyanide	100	U
Ethylbenzene	5	U
Iodomethane	5	U
Methacrylonitrile	10	U
Methyl methacrylate	10	U

PARAMETER	RESULT	QUAL
Methylene chloride	2	BJ
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,2-dichloroethene	5	U
Trans-1,3-dichloropropene	5	U
Trans-1,4-dichloro-2-butene	20	U
Trichloroethene	5	U
Trichlorofluoromethane	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
2,4,5-T	2	U
2,4,5-TP (silvex)	2	U
2,4-D	2	U
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlorobenzilate	0.5	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Dimethoate	0.5	U
Dinoseb	20	U
Disulfoton	0.5	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U
Famphur	0.5	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Isodrin	0.05	U
Kepone	0.1	U
Methoxychlor	0.5	U
Methyl parathion	0.5	U

PARAMETER	RESULT	QUAL
Parathion	0.5	U
Phorate	1	U
Sulfotep	10	U
Thionazin	0.5	U
Toxaphene	1	U
S5MW-3	**AS1062/63-AVG**	**IT(1994)**
INORGANICS		
Antimony	30	U
Arsenic	2.3	B
Barium	29.15	B
Beryllium	1	U
Cadmium	4.75	
Chromium	35.6	
Cobalt	20	U
Copper	10	U
Lead	24.65	
Mercury	0.185	
Nickel	20	U
Selenium	10	U
Silver	5	U
Thallium	2	U
Tin	30	U
Vanadium	10	U
Zinc	29.25	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-nitrophenol	10	U
4-chloro-3-methylphenol	10	U
4-nitrophenol	50	U
Acenaphthene	0.16	U
Acenaphthylene	0.16	U
Anthracene	0.081	U
Benzo(a)anthracene	0.081	U
Benzo(a)pyrene	0.081	U
Benzo(b)fluoranthene	0.081	U
Benzo(g,h,i)perylene	0.081	U
Benzo(k)fluoranthene	0.081	U
Chrysene	0.081	U
Dibenzo(a,h)anthracene	0.081	U
Fluoranthene	0.081	U
Fluorene	0.081	U
Indeno(1,2,3-cd)pyrene	0.081	U

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PARAMETER	RESULT	QUAL
Naphthalene	0.16	U
Pentachlorophenol	50	U
Phenanthrene	0.081	U
Phenol	10	U
Pyrene	0.081	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	1.8	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
S5MW-2 S5MW-2-AVG		**B&RE**
INORGANICS		
Aluminum	28	U
Antimony	26.2	
Arsenic	10.3	U
Barium	8.85	

PARAMETER	RESULT	QUAL
Beryllium	0.2	U
Cadmium	0.515	U
Chromium	1.65	
Cobalt	2	U
Copper	6.8	U
Cyanide	1.45	
Iron	87.3	U
Lead	3	U
Manganese	2.25	
Mercury	4.725	
Nickel	4	U
Selenium	4	U
Silver	1.85	
Thallium	4	U
Vanadium	2.35	
Zinc	26.5	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	25	U
1,2,4-trichlorobenzene	25	U
1,2-dichlorobenzene	25	U
1,3,5-trinitrobenzene	125	U
1,3-dichlorobenzene	25	U
1,3-dinitrobenzene	25	U
1,4-dichlorobenzene	25	U
1,4-dioxane	25	U
1,4-naphthoquinone	25	U
1-naphthylamine	25	U
2,3,4,6-tetrachlorophenol	25	U
2,4,5-trichlorophenol	25	U
2,4,6-trichlorophenol	25	U
2,4-dichlorophenol	25	U
2,4-dimethylphenol	25	U
2,4-dinitrophenol	50	U
2,4-dinitrotoluene	25	U
2,6-dichlorophenol	25	U
2,6-dinitrotoluene	25	U
2-acetylaminofluorene	25	U
2-chloronaphthalene	25	U
2-chlorophenol	25	U
2-methyl-4,6-dinitrophenol	25	U
2-methylnaphthalene	25	U
2-methylphenol	25	U
2-naphthylamine	25	U
2-nitroaniline	25	U
2-nitrophenol	25	U
2-picoline	25	U
3,3'-dichlorobenzidine	125	U
3,3'-dimethylbenzidine	125	U
3-methylcholanthrene	25	U
3-nitroaniline	25	U

PARAMETER	RESULT	QUAL
4-aminobiphenyl	25	U
4-bromophenyl phenyl ether	25	U
4-chloro-3-methylphenol	25	U
4-chloroaniline	25	U
4-chlorophenyl phenyl ether	25	U
4-methylphenol	25	U
4-nitroaniline	25	U
4-nitrophenol	50	U
5-nitro-o-toluidine	25	U
7,12-dimethylbenz(a)anthracene	25	U
a,a-dimethylphenethylamine	25	U
Acenaphthene	25	U
Acenaphthylene	25	U
Acetophenone	25	U
Aniline	25	U
Anthracene	25	U
Aramite	25	U
Benzo(a)anthracene	25	U
Benzo(a)pyrene	25	U
Benzo(b)fluoranthene	25	U
Benzo(g,h,i)perylene	25	U
Benzo(k)fluoranthene	25	U
Benzyl alcohol	25	U
Bis(2-chloroethoxy)methane	25	U
Bis(2-chloroethyl)ether	25	U
Bis(2-ethylhexyl)phthalate	25	U
Butyl benzyl phthalate	25	U
Chrysene	25	U
Di-n-butyl phthalate	25	U
Di-n-octyl phthalate	25	U
Diallate	25	U
Dibenzo(a,h)anthracene	25	U
Dibenzofuran	25	U
Diethyl phthalate	25	U
Dimethyl phthalate	25	U
Diphenylamine	25	U
Ethyl methacrylate	25	U
Ethyl methanesulfonate	25	U
Fluoranthene	25	U
Fluorene	25	U
Hexachlorobenzene	25	U
Hexachlorobutadiene	25	U
Hexachlorocyclopentadiene	25	U
Hexachloroethane	25	U
Hexachloropropene	25	U
Indeno(1,2,3-cd)pyrene	25	U
Isophorone	25	U
Isosafrole	25	U
Methapyrilene	125	U
Methyl methanesulfonate	25	U

PARAMETER	RESULT	QUAL
N-nitroso-di-n-butylamine	25	U
N-nitroso-di-n-propylamine	25	U
N-nitrosodiethylamine	25	U
N-nitrosodimethylamine	25	U
N-nitrosodiphenylamine	25	U
N-nitrosomethylethylamine	25	U
N-nitrosomorpholine	25	U
N-nitrosopiperidine	25	U
N-nitrosopyrrolidine	25	U
Naphthalene	25	U
Nitrobenzene	25	U
o,o,o-triethylphosphorothioate	25	U
o-toluidine	25	U
p-dimethylaminoazobenzene	25	U
p-phenylenediamine	50	U
Pentachlorobenzene	25	U
Pentachloroethane	25	U
Pentachloronitrobenzene	25	U
Pentachlorophenol	25	U
Phenacetin	25	U
Phenanthrene	25	U
Phenol	25	U
Pronamide	25	U
Pyrene	25	U
Pyridine	25	U
Safrole	25	U
VOLATILE ORGANIC COMPOUNDS		
Methyl methacrylate	25	U
PESTICIDES/PCBs		
Chlorobenzilate	125	U
Dimethoate	125	U
Dinoseb	25	U
Disulfoton	25	U
Famphur	25	U
Isodrin	25	U
Kepone	25	U
Sulfotep	25	U
Thionazin	25	U
S5MW-3 S5MW-3		**B&RE**
INORGANICS		
Aluminum	28	U
Antimony	4	U
Arsenic	5.9	U
Barium	12.2	
Beryllium	0.2	U
Cadmium	0.44	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U

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PARAMETER	RESULT	QUAL
Iron	27.7	U
Lead	3	U
Manganese	3	
Mercury	0.26	
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2.3	
Zinc	52.4	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	50	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	10	U
1,4-naphthoquinone	10	U
1-naphthylamine	10	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	10	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	20	U
2,4-dinitrotoluene	10	U
2,6-dichlorophenol	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	10	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	10	U
2-nitroaniline	10	U
2-nitrophenol	10	U
2-picoline	10	U
3,3'-dichlorobenzidine	50	U
3,3'-dimethylbenzidine	50	U
3-methylcholanthrene	10	U
3-nitroaniline	10	U
4-aminobiphenyl	10	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U

PARAMETER	RESULT	QUAL
4-nitroaniline	10	U
4-nitrophenol	20	U
5-nitro-o-toluidine	10	U
7,12-dimethylbenz(a)anthracene	10	U
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	10	U
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	10	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachloropropene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	50	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	10	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U

PARAMETER	RESULT	QUAL
N-nitrosomorpholine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	10	U
p-phenylenediamine	20	U
Pentachlorobenzene	10	U
Pentachloroethane	10	U
Pentachloronitrobenzene	10	U
Pentachlorophenol	10	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	10	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS		
Methyl methacrylate	10	U
PESTICIDES/PCBs		
Chlorobenzilate	50	U
Dimethoate	50	U
Dinoseb	10	U
Disulfoton	10	U
Famphur	10	U
Isodrin	10	U
Kepone	10	U
Sulfotep	10	U
Thionazin	10	U
SWMU 7		
S7MW-1 AS1132 IT(1994)		
INORGANICS		
Antimony	30	U
Arsenic	4.7	B
Barium	26.2	B
Beryllium	1	U
Cadmium	5	U
Chromium	13.9	
Cobalt	20	U
Copper	10	U
Cyanide	190	
Lead	9.5	
Mercury	0.2	U
Nickel	20	U
Selenium	10	U
Silver	5	U
Thallium	2	U

PARAMETER	RESULT	QUAL
Tin	30	U
Vanadium	10	U
Zinc	17.8	B
MISCELLANEOUS		
Sulfide	4000	
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2,4,5-tetrachlorobenzene	10	U
1,2,4-trichlorobenzene	10	U
1,2-dichlorobenzene	10	U
1,3,5-trinitrobenzene	10	U
1,3-dichlorobenzene	10	U
1,3-dinitrobenzene	10	U
1,4-dichlorobenzene	10	U
1,4-dioxane	1000	U
1,4-naphthoquinone	10	U
1-naphthylamine	130	U
2,3,4,6-tetrachlorophenol	10	U
2,4,5-trichlorophenol	52	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	52	U
2,4-dinitrotoluene	10	U
2,6-dinitrotoluene	10	U
2-acetylaminofluorene	10	U
2-chloronaphthalene	10	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	52	U
2-methylnaphthalene	10	U
2-methylphenol	10	U
2-naphthylamine	180	U
2-nitroaniline	52	U
2-nitrophenol	10	U
2-picoline	74	U
3,3'-dichlorobenzidine	21	U
3,3'-dimethylbenzidine	84	U
3-methylcholanthrene	32	U
3-methylphenol	10	U
3-nitroaniline	52	U
4-aminobiphenyl	52	U
4-bromophenyl phenyl ether	10	U
4-chloro-3-methylphenol	10	U
4-chloroaniline	10	U
4-chlorophenyl phenyl ether	10	U
4-methylphenol	10	U
4-nitroaniline	52	U
4-nitrophenol	52	U
4-nitroquinoline-1-oxide	10	U
5-nitro-o-toluidine	21	U
7,12-dimethylbenz(a)anthracene	21	U

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PARAMETER	RESULT	QUAL
a,a-dimethylphenethylamine	10	U
Acenaphthene	10	U
Acenaphthylene	10	U
Acetophenone	10	U
Aniline	10	U
Anthracene	10	U
Aramite	10	U
Benzo(a)anthracene	10	U
Benzo(a)pyrene	10	U
Benzo(b)fluoranthene	10	U
Benzo(g,h,i)perylene	10	U
Benzo(k)fluoranthene	10	U
Benzoic acid	52	U
Benzyl alcohol	10	U
Bis(2-chloroethoxy)methane	10	U
Bis(2-chloroethyl)ether	10	U
Bis(2-ethylhexyl)phthalate	2	J
Butyl benzyl phthalate	10	U
Chrysene	10	U
Di-n-butyl phthalate	10	U
Di-n-octyl phthalate	10	U
Diallate	10	U
Dibenzo(a,h)anthracene	10	U
Dibenzofuran	10	U
Diethyl phthalate	10	U
Dimethyl phthalate	10	U
Diphenylamine	10	U
Ethyl methacrylate	21	U
Ethyl methanesulfonate	10	U
Fluoranthene	10	U
Fluorene	10	U
Hexachlorobenzene	10	U
Hexachlorobutadiene	10	U
Hexachlorocyclopentadiene	10	U
Hexachloroethane	10	U
Hexachlorophene	52	U
Hexachloropropene	21	U
Indeno(1,2,3-cd)pyrene	10	U
Isophorone	10	U
Isosafrole	10	U
Methapyrilene	42	U
Methyl methanesulfonate	10	U
N-nitroso-di-n-butylamine	21	U
N-nitroso-di-n-propylamine	10	U
N-nitrosodiethylamine	10	U
N-nitrosodimethylamine	10	U
N-nitrosodiphenylamine	10	U
N-nitrosomethylethylamine	10	U
N-nitrosopiperidine	10	U
N-nitrosopyrrolidine	10	U

PARAMETER	RESULT	QUAL
Naphthalene	10	U
Nitrobenzene	10	U
o,o,o-triethylphosphorothioate	10	U
o-toluidine	10	U
p-dimethylaminoazobenzene	32	U
p-phenylenediamine	52	U
Pentachlorobenzene	21	U
Pentachloroethane	21	U
Pentachloronitrobenzene	21	U
Pentachlorophenol	52	U
Phenacetin	10	U
Phenanthrene	10	U
Phenol	10	U
Pronamide	32	U
Pyrene	10	U
Pyridine	10	U
Safrole	10	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	5	U
1,1,1-trichloroethane	5	U
1,1,2,2-tetrachloroethane	5	U
1,1,2-trichloroethane	5	U
1,1-dichloroethane	5	U
1,1-dichloroethene	5	U
1,2,3-trichloropropane	5	U
1,2-dibromo-3-chloropropane	5	U
1,2-dibromoethane	5	U
1,2-dichloroethane	5	U
1,2-dichloropropane	5	U
2-butanone	2	J
2-chloro-1,3-butadiene	5	U
2-hexanone	10	U
3-chloropropene	5	U
4-methyl-2-pentanone	10	U
Acetone	5	J
Acetonitrile	100	U
Acrolein	10	U
Acrylonitrile	10	U
Benzene	5	U
Bis(2-chloroisopropyl)ether	10	U
Bromodichloromethane	5	U
Bromoform	5	U
Bromomethane	10	U
Carbon disulfide	5	U
Carbon tetrachloride	5	U
Chlorobenzene	5	U
Chloroethane	10	U
Chloroform	5	U
Chloromethane	10	U
Cis-1,2-dichloroethene	5	U

PARAMETER	RESULT	QUAL
Cis-1,3-dichloropropene	5	U
Dibromochloromethane	5	U
Dibromomethane	5	U
Dichlorodifluoromethane	20	U
Ethyl cyanide	100	U
Ethylbenzene	5	U
Iodomethane	5	U
Methacrylonitrile	10	U
Methyl methacrylate	10	U
Methylene chloride	1	JB
Styrene	5	U
Tetrachloroethene	5	U
Toluene	5	U
Trans-1,2-dichloroethene	5	U
Trans-1,3-dichloropropene	5	U
Trans-1,4-dichloro-2-butene	20	U
Trichloroethene	5	U
Trichlorofluoromethane	5	U
Vinyl acetate	10	U
Vinyl chloride	10	U
Xylenes, total	5	U
PESTICIDES/PCBs		
2,4,5-T	2	U
2,4,5-TP (silvex)	2	U
2,4-D	2	U
4,4'-DDD	0.1	U
4,4'-DDE	0.1	U
4,4'-DDT	0.1	U
Aldrin	0.05	U
alpha-BHC	0.05	U
alpha-chlordane	0.5	U
Aroclor-1016	0.5	U
Aroclor-1221	0.5	U
Aroclor-1232	0.5	U
Aroclor-1242	0.5	U
Aroclor-1248	0.5	U
Aroclor-1254	1	U
Aroclor-1260	1	U
beta-BHC	0.05	U
Chlorobenzilate	0.5	U
delta-BHC	0.05	U
Dieldrin	0.1	U
Dimethoate	0.5	U
Dinoseb	21	U
Disulfoton	0.5	U
Endosulfan I	0.05	U
Endosulfan II	0.1	U
Endosulfan sulfate	0.1	U
Endrin	0.1	U
Endrin ketone	0.1	U

PARAMETER	RESULT	QUAL
Famphur	0.5	U
gamma-BHC (lindane)	0.05	U
gamma-chlordane	0.5	U
Heptachlor	0.05	U
Heptachlor epoxide	0.05	U
Isodrin	0.05	U
Kepone	0.1	U
Methoxychlor	0.5	U
Methyl parathion	0.5	U
Parathion	0.5	U
Phorate	1	U
Sulfotep	10	U
Thionazin	0.5	U
Toxaphene	1	U
S7MW-3	**AS1133/34-AVG**	**IT(1994)**
INORGANICS		
Antimony	45.95	B
Arsenic	4.3	B
Barium	39.5	B
Beryllium	1	U
Cadmium	5	U
Chromium	22.1	
Cobalt	20	U
Copper	10	U
Lead	5.9	
Mercury	0.2	U
Nickel	20	U
Selenium	10	U
Silver	5	U
Thallium	2	U
Tin	30	U
Vanadium	10	U
Zinc	16.65	B
SEMIVOLATILE ORGANIC COMPOUNDS		
1,2-dichlorobenzene	1.5	U
1,3-dichlorobenzene	3.2	U
1,4-dichlorobenzene	2.4	U
2,4,6-trichlorophenol	10	U
2,4-dichlorophenol	10	U
2,4-dimethylphenol	10	U
2,4-dinitrophenol	50	U
2-chlorophenol	10	U
2-methyl-4,6-dinitrophenol	50	U
2-nitrophenol	10	U
4-chloro-3-methylphenol	10	U
4-nitrophenol	50	U
Acenaphthene	0.105	U
Acenaphthylene	0.105	U
Anthracene	0.084	U
Benzo(a)anthracene	0.084	U

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PARAMETER	RESULT	QUAL
Benzo(a)pyrene	0.084	U
Benzo(b)fluoranthene	0.084	U
Benzo(g,h,i)perylene	0.084	U
Benzo(k)fluoranthene	0.084	U
Chrysene	0.084	U
Dibenzo(a,h)anthracene	0.084	U
Fluoranthene	0.084	U
Fluorene	0.084	U
Indeno(1,2,3-cd)pyrene	0.084	U
Naphthalene	0.105	U
Pentachlorophenol	50	U
Phenanthrene	0.084	U
Phenol	10	U
Pyrene	0.084	U
VOLATILE ORGANIC COMPOUNDS		
1,1,1,2-tetrachloroethane	0.3	U
1,1,1-trichloroethane	0.3	U
1,1,2,2-tetrachloroethane	0.3	U
1,1,2-trichloroethane	0.2	U
1,1-dichloroethane	0.7	U
1,1-dichloroethene	1.3	U
1,2,3-trichloropropane	1	U
1,2-dichloroethane	0.3	U
1,2-dichloropropane	0.4	U
1-chlorohexane	1	U
2-chloroethyl vinyl ether	1.3	U
Benzene	2	U
Bis(2-chloroisopropyl)ether	20	U
Bromobenzene	2	U
Bromodichloromethane	1	U
Bromoform	2	U
Bromomethane	1.2	U
Carbon tetrachloride	1.2	U
Chlorobenzene	2	U
Chloroethane	5.2	U
Chloroform	0.5	U
Chloromethane	0.8	U
Chlorotoluene	1	U
Cis-1,2-dichloroethene	1	U
Cis-1,3-dichloropropene	3.4	U
Dibromochloromethane	0.9	U
Dibromomethane	2	U
Dichlorodifluoromethane	10.9	U
Ethylbenzene	2	U
Methylene chloride	15	U
Tetrachloroethene	0.3	U
Toluene	2	U
Trans-1,2-dichloroethene	1	U
Trans-1,3-dichloropropene	3.4	U
Trichloroethene	1.2	U

PARAMETER	RESULT	QUAL
Trichlorofluoromethane	2	U
Vinyl chloride	1.8	U
Xylenes, total	1	U
PESTICIDES/PCBs		
Aroclor-1016	0.6	U
Aroclor-1232	0.6	U
Aroclor-1242	0.6	U
Aroclor-1248	0.6	U
Aroclor-1254	1	U
Aroclor-1260	1	U
S7MW-1 S7MW-1		**B&RE**
INORGANICS		
Aluminum	28	U
Antimony	4	U
Arsenic	9.4	U
Barium	10	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4	U
Cyanide	1.4	U
Iron	23.5	U
Lead	3	U
Manganese	9	
Mercury	0.24	
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.097	U
2,4,5-TP (silvex)	0.097	U
2,4-D	0.097	U
4,4'-DDD	0.08	U
4,4'-DDE	0.08	U
4,4'-DDT	0.08	U
Aldrin	0.04	U
alpha-BHC	0.04	U
Aroclor-1016	0.25	U
Aroclor-1221	0.25	U
Aroclor-1232	0.25	U
Aroclor-1242	0.25	U
Aroclor-1248	0.25	U
Aroclor-1254	0.25	U
Aroclor-1260	0.25	U
beta-BHC	0.04	U
Chlordane	0.5	U

PARAMETER	RESULT	QUAL
delta-BHC	0.04	U
Dieldrin	0.08	U
Endosulfan I	0.04	U
Endosulfan II	0.08	U
Endosulfan sulfate	0.08	U
Endrin	0.08	U
Endrin aldehyde	0.08	U
gamma-BHC (lindane)	0.04	U
Heptachlor	0.04	U
Heptachlor epoxide	0.04	U
Methoxychlor	0.4	U
Methyl parathion	0.1	U
Parathion	0.1	U
Phorate	0.1	U
Toxaphene	2	U
S7MW-3 S7MW-3		**B&RE**
INORGANICS		
Aluminum	28	U
Antimony	4	U
Arsenic	15.7	U
Barium	13	
Beryllium	0.2	U
Cadmium	0.4	U
Chromium	2	U
Cobalt	2	U
Copper	4.5	U
Cyanide	1.4	U
Iron	202	U
Lead	3	U
Manganese	6.2	
Mercury	0.1	U
Nickel	4	U
Selenium	4	U
Silver	2	U
Thallium	4	U
Vanadium	2	U
Zinc	2	U
PESTICIDES/PCBs		
2,4,5-T	0.096	U
2,4,5-TP (silvex)	0.096	U
2,4-D	0.096	U
4,4'-DDD	0.08	U
4,4'-DDE	0.08	U
4,4'-DDT	0.08	U
Aldrin	0.04	U
alpha-BHC	0.04	U
Aroclor-1016	0.25	U
Aroclor-1221	0.25	U
Aroclor-1232	0.25	U
Aroclor-1242	0.25	U

PARAMETER	RESULT	QUAL
Aroclor-1248	0.25	U
Aroclor-1254	0.25	U
Aroclor-1260	0.25	U
beta-BHC	0.04	U
Chlordane	0.5	U
delta-BHC	0.04	U
Dieldrin	0.08	U
Endosulfan I	0.04	U
Endosulfan II	0.08	U
Endosulfan sulfate	0.08	U
Endrin	0.08	U
Endrin aldehyde	0.08	U
gamma-BHC (lindane)	0.04	U
Heptachlor	0.04	U
Heptachlor epoxide	0.04	U
Methoxychlor	0.4	U
Methyl parathion	0.1	U
Parathion	0.1	U
Phorate	0.1	U
Toxaphene	2	U

APPENDIX H-6

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PARAMETER	RESULT	QUAL
AOC B		
AC-1 Crab		**BLUE CRAB**
INORGANICS (mg/kg)		
Aluminum	3.6	U
Antimony	2.4	U
Arsenic	4.3	
Barium	0.57	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	26.9	
Iron	13.3	U
Lead	0.38	
Manganese	2.8	
Mercury	0.04	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	46.1	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	2.7	J
4,4'-DDE	1.3	J
4,4'-DDT	2.8	J
Aldrin	0.22	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	92	J
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.8	J
Endosulfan II	0.9	J
Endosulfan sulfate	3	J
Endrin	2.7	J
Endrin aldehyde	4.6	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.29	J
Heptachlor epoxide	5.4	
Isodrin	3.3	U
Methoxychlor	17	U

PARAMETER	RESULT	QUAL
Toxaphene	170	U
AC-2 Crab		**BLUE CRAB**
INORGANICS (mg/kg)		
Aluminum	2.6	U
Antimony	2.4	U
Arsenic	5.2	
Barium	2.3	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	30.2	
Iron	15.5	U
Lead	1.7	
Manganese	10.9	
Mercury	0.04	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	39.9	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	6.6	U
4,4'-DDE	1.7	J
4,4'-DDT	4.9	J
Aldrin	3.4	U
alpha-BHC	3.4	U
Aroclor-1016	66	U
Aroclor-1221	130	U
Aroclor-1232	66	U
Aroclor-1242	66	U
Aroclor-1248	66	U
Aroclor-1254	66	U
Aroclor-1260	66	U
beta-BHC	3.4	U
Chlordane	34	U
Chlorobenzilate	140	J
delta-BHC	3.4	U
Dieldrin	6.6	U
Endosulfan I	1.8	J
Endosulfan II	6.6	U
Endosulfan sulfate	1	J
Endrin	6.6	U
Endrin aldehyde	5.7	J
gamma-BHC (lindane)	3.4	U
Heptachlor	0.57	J
Heptachlor epoxide	4.5	
Isodrin	6.6	U
Methoxychlor	5.8	J

PARAMETER	RESULT	QUAL
Toxaphene	340	U
AC-3 Crab		**BLUE CRAB**
INORGANICS (mg/kg)		
Aluminum	3.9	U
Antimony	2.4	U
Arsenic	3.6	
Barium	1.6	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	19.5	
Iron	6.7	U
Lead	1.7	
Manganese	4.9	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.26	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	38.7	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	2.6	J
4,4'-DDE	1.3	J
4,4'-DDT	1.6	J
Aldrin	0.26	J
alpha-BHC	3.4	U
Aroclor-1016	66	U
Aroclor-1221	130	U
Aroclor-1232	66	U
Aroclor-1242	66	U
Aroclor-1248	66	U
Aroclor-1254	66	U
Aroclor-1260	66	U
beta-BHC	1.2	J
Chlordane	34	U
Chlorobenzilate	110	J
delta-BHC	3.4	U
Dieldrin	2.9	J
Endosulfan I	1.8	J
Endosulfan II	0.64	J
Endosulfan sulfate	1.8	J
Endrin	6.6	U
Endrin aldehyde	5.4	J
gamma-BHC (lindane)	3.4	U
Heptachlor	0.52	J
Heptachlor epoxide	3.4	U
Isodrin	6.6	U
Methoxychlor	34	U

PARAMETER	RESULT	QUAL
Toxaphene	340	U
AC-30 Crab		**BLUE CRAB**
INORGANICS (mg/kg)		
Aluminum	5.1	U
Antimony	2.4	U
Arsenic	3.2	U
Barium	0.83	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	17.8	
Iron	17.9	U
Lead	0.5	
Manganese	2.7	
Mercury	0.08	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	17.1	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	0.69	J
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	0.51	J
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	0.38	J
Endosulfan II	3.3	U
Endosulfan sulfate	0.55	J
Endrin	3.3	U
Endrin aldehyde	4.9	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U

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PARAMETER	RESULT	QUAL
Toxaphene	170	U
AC-4 Crab		**BLUE CRAB**
INORGANICS (mg/kg)		
Aluminum	3.3	U
Antimony	2.4	U
Arsenic	3.9	
Barium	3	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.97	
Cobalt	0.37	U
Copper	16.6	
Iron	14.2	U
Lead	0.89	
Manganese	5.6	
Mercury	0.05	U
Nickel	0.85	U
Selenium	1	U
Silver	0.31	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	26.3	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	1.1	J
4,4'-DDE	1.4	J
4,4'-DDT	1.3	J
Aldrin	0.27	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	0.47	J
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	0.81	J
Endosulfan II	3.3	U
Endosulfan sulfate	1.4	J
Endrin	3.3	U
Endrin aldehyde	3.3	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.36	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	2.3	J

PARAMETER	RESULT	QUAL
Toxaphene	170	U
AC-5 Crab		**BLUE CRAB**
INORGANICS (mg/kg)		
Aluminum	3.4	U
Antimony	2.4	U
Arsenic	4.7	
Barium	1.4	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	21.4	
Iron	8.4	U
Lead	0.34	U
Manganese	5.4	
Mercury	0.05	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	33.9	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.7	
4,4'-DDT	1.7	J
Aldrin	1.7	U
alpha-BHC	0.75	J
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	0.56	J
Chlordane	17	U
Chlorobenzilate	48	J
delta-BHC	1.7	U
Dieldrin	4.6	J
Endosulfan I	1.3	J
Endosulfan II	3.3	U
Endosulfan sulfate	1.9	J
Endrin	0.43	J
Endrin aldehyde	2.2	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	2.3	J
Isodrin	3.3	U
Methoxychlor	17	U

PARAMETER	RESULT	QUAL
Toxaphene	170	U
AC-6 Crab		**BLUE CRAB**
INORGANICS (mg/kg)		
Aluminum	2.2	U
Antimony	2.4	U
Arsenic	4.2	
Barium	0.58	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	30.2	
Iron	5.1	U
Lead	0.34	U
Manganese	2.4	
Mercury	0.04	U
Nickel	0.85	U
Selenium	1	U
Silver	0.24	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	32.8	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	1.4	J
4,4'-DDT	0.74	J
Aldrin	0.24	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	24	J
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	0.71	J
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	0.71	J
Endrin aldehyde	4.5	
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U

PARAMETER	RESULT	QUAL
Toxaphene	170	U
AC-9 Crab		**BLUE CRAB**
INORGANICS (mg/kg)		
Aluminum	3.9	U
Antimony	2.4	U
Arsenic	3.3	U
Barium	0.72	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	23.9	
Iron	4	U
Lead	0.34	U
Manganese	2.1	
Mercury	0.03	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	22.6	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	1.4	J
4,4'-DDT	1.2	J
Aldrin	0.22	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	24	J
delta-BHC	1.7	U
Dieldrin	2.9	J
Endosulfan I	0.8	J
Endosulfan II	3.3	U
Endosulfan sulfate	1.3	J
Endrin	3.3	U
Endrin aldehyde	2.6	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	2.3	J
Isodrin	3.3	U
Methoxychlor	17	U

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PARAMETER	RESULT	QUAL
Toxaphene	170	U
AC-27 Crab		**MUD CRAB**
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.36	J
4,4'-DDE	4.3	U
4,4'-DDT	0.52	J
Aldrin	0.19	J
alpha-BHC	2.2	U
Aroclor-1016	43	U
Aroclor-1221	87	U
Aroclor-1232	43	U
Aroclor-1242	43	U
Aroclor-1248	43	U
Aroclor-1254	43	U
Aroclor-1260	43	U
beta-BHC	2.2	U
Chlordane	22	U
Chlorobenzilate	6.6	J
delta-BHC	2.2	U
Dieldrin	0.77	J
Endosulfan I	2.2	U
Endosulfan II	0.3	J
Endosulfan sulfate	2.2	J
Endrin	0.29	J
Endrin aldehyde	4.3	U
gamma-BHC (lindane)	2.2	U
Heptachlor	2.2	U
Heptachlor epoxide	0.51	J
Isodrin	4.3	U
Methoxychlor	22	U
Toxaphene	220	U
AC-28 Crab		**MUD CRAB**
INORGANICS (mg/kg)		
Aluminum	6.9	U
Antimony	2.4	U
Arsenic	2.6	U
Barium	4.1	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	16.5	
Iron	34.4	
Lead	0.52	
Manganese	58	
Mercury	0.02	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	56.2	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	5.8	U
4,4'-DDE	1.2	J
4,4'-DDT	5.8	U
Aldrin	3	U
alpha-BHC	3	U
Aroclor-1016	58	U
Aroclor-1221	120	U
Aroclor-1232	58	U
Aroclor-1242	58	U
Aroclor-1248	58	U
Aroclor-1254	58	U
Aroclor-1260	58	U
beta-BHC	3	U
Chlordane	30	U
Chlorobenzilate	30	U
delta-BHC	3	U
Dieldrin	1.2	J
Endosulfan I	3	U
Endosulfan II	5.8	U
Endosulfan sulfate	5.8	U
Endrin	5.8	U
Endrin aldehyde	8.3	J
gamma-BHC (lindane)	3	U
Heptachlor	3	U
Heptachlor epoxide	3	U
Isodrin	0.78	J
Methoxychlor	30	U
Toxaphene	300	U
AC-8 Crab		**MUD CRAB**
INORGANICS (mg/kg)		
Aluminum	10.1	U
Antimony	2.4	U
Arsenic	2.9	U
Barium	4.8	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	18.8	
Iron	25.7	U
Lead	0.6	
Manganese	30.1	
Mercury	0.03	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	52.1	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	5.2	U
4,4'-DDE	4.6	J
4,4'-DDT	1.7	J
Aldrin	2.7	U
alpha-BHC	2.7	U
Aroclor-1016	52	U
Aroclor-1221	100	U
Aroclor-1232	52	U
Aroclor-1242	52	U
Aroclor-1248	52	U
Aroclor-1254	52	U
Aroclor-1260	52	U
beta-BHC	2.7	U
Chlordane	27	U
Chlorobenzilate	27	U
delta-BHC	2.7	U
Dieldrin	5.2	U
Endosulfan I	0.5	J
Endosulfan II	5.2	U
Endosulfan sulfate	5.2	U
Endrin	5.2	U
Endrin aldehyde	3.1	J
gamma-BHC (lindane)	2.7	U
Heptachlor	0.68	J
Heptachlor epoxide	2.7	U
Isodrin	5.2	U
Methoxychlor	10	J
Toxaphene	270	U
AF-10 Fish		**CRESTED GOBY**
INORGANICS (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	1.2	U
Barium	0.78	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	0.58	U
Iron	6.8	U
Lead	0.34	U
Manganese	4.3	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	32.9	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	4	U
4,4'-DDE	0.56	J
4,4'-DDT	4	U
Aldrin	2	J
alpha-BHC	0.68	J
Aroclor-1016	40	U
Aroclor-1221	80	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	40	U
Aroclor-1260	40	U
beta-BHC	2	U
Chlordane	20	U
Chlorobenzilate	20	U
delta-BHC	2	U
Dieldrin	4	U
Endosulfan I	2	U
Endosulfan II	4	U
Endosulfan sulfate	4	U
Endrin	4	U
Endrin aldehyde	1.7	J
gamma-BHC (lindane)	2	U
Heptachlor	2	U
Heptachlor epoxide	2	U
Isodrin	1.5	J
Methoxychlor	20	U
Toxaphene	200	U
AF-11 Fish		**CRESTED GOBY**
INORGANICS (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	1.4	U
Barium	0.65	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.45	U
Copper	0.94	U
Iron	16.6	U
Lead	0.34	U
Manganese	4.2	
Mercury	0.02	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

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PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	52.4	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.99	J
4,4'-DDE	0.71	J
4,4'-DDT	0.99	J
Aldrin	2.8	U
alpha-BHC	2.8	U
Aroclor-1016	55	U
Aroclor-1221	110	U
Aroclor-1232	55	U
Aroclor-1242	55	U
Aroclor-1248	55	U
Aroclor-1254	55	U
Aroclor-1260	55	U
beta-BHC	3.1	
Chlordane	28	U
Chlorobenzilate	53	
delta-BHC	2.8	U
Dieldrin	3.8	J
Endosulfan I	0.3	J
Endosulfan II	0.67	J
Endosulfan sulfate	1.1	J
Endrin	0.95	J
Endrin aldehyde	1.3	J
gamma-BHC (lindane)	2.8	U
Heptachlor	1.5	J
Heptachlor epoxide	2.8	U
Isodrin	0.55	J
Methoxychlor	1.4	J
Toxaphene	280	U
AF-12 Fish	**CRESTED GOBY**	
INORGANICS (mg/kg)		
Aluminum	1.8	U
Antimony	2.4	U
Arsenic	1.2	U
Barium	0.76	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.88	
Cobalt	0.37	U
Copper	2.8	U
Iron	19.9	U
Lead	0.34	U
Manganese	5.3	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	42.1	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	4.7	U
4,4'-DDE	4.7	U
4,4'-DDT	4.7	U
Aldrin	2.4	U
alpha-BHC	0.87	J
Aroclor-1016	47	U
Aroclor-1221	96	U
Aroclor-1232	47	U
Aroclor-1242	47	U
Aroclor-1248	47	U
Aroclor-1254	47	U
Aroclor-1260	47	U
beta-BHC	2.9	
Chlordane	24	U
Chlorobenzilate	36	
delta-BHC	0.84	J
Dieldrin	4.7	U
Endosulfan I	0.41	J
Endosulfan II	4.7	U
Endosulfan sulfate	4.7	U
Endrin	4.7	U
Endrin aldehyde	2	J
gamma-BHC (lindane)	2.4	U
Heptachlor	2.4	U
Heptachlor epoxide	2.4	U
Isodrin	1.4	J
Methoxychlor	24	U
Toxaphene	240	U
AF-13 Fish	**CRESTED GOBY**	
INORGANICS (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	1.2	U
Barium	0.62	U
Beryllium	0.04	U
Cadmium	0.55	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	1.1	U
Iron	15.4	U
Lead	0.34	U
Manganese	5.7	
Mercury	0.03	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	44.4	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.8	U
4,4'-DDE	1	J
4,4'-DDT	3.8	U
Aldrin	0.77	J
alpha-BHC	0.8	J
Aroclor-1016	38	U
Aroclor-1221	77	U
Aroclor-1232	38	U
Aroclor-1242	38	U
Aroclor-1248	38	U
Aroclor-1254	38	U
Aroclor-1260	38	U
beta-BHC	2	U
Chlordane	20	U
Chlorobenzilate	20	U
delta-BHC	2	U
Dieldrin	0.38	J
Endosulfan I	2	U
Endosulfan II	3.8	U
Endosulfan sulfate	3.8	U
Endrin	3.8	U
Endrin aldehyde	1.3	J
gamma-BHC (lindane)	0.21	J
Heptachlor	2	U
Heptachlor epoxide	2	U
Isodrin	3.8	U
Methoxychlor	20	U
Toxaphene	200	U
AF-14 Fish	**CRESTED GOBY**	
INORGANICS (mg/kg)		
Aluminum	3	U
Antimony	2.4	U
Arsenic	1	U
Barium	1.1	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	1.1	U
Iron	13.2	U
Lead	0.37	
Manganese	6.2	
Mercury	0.03	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	42.7	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	0.69	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	2.2	
Chlordane	17	U
Chlorobenzilate	27	
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	0.15	J
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	0.27	J
Endrin aldehyde	1.1	J
gamma-BHC (lindane)	0.47	J
Heptachlor	1.2	J
Heptachlor epoxide	1.7	U
Isodrin	0.67	J
Methoxychlor	17	U
Toxaphene	170	U
AF-15 Fish	**CRESTED GOBY**	
INORGANICS (mg/kg)		
Aluminum	2.2	U
Antimony	2.4	U
Arsenic	1.5	U
Barium	2	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	1.3	U
Iron	17	U
Lead	0.34	U
Manganese	7.6	
Mercury	0.03	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

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PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	60.9	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.26	J
4,4'-DDE	0.69	J
4,4'-DDT	1.4	J
Aldrin	2.6	U
alpha-BHC	2.6	U
Aroclor-1016	50	U
Aroclor-1221	100	U
Aroclor-1232	50	U
Aroclor-1242	50	U
Aroclor-1248	50	U
Aroclor-1254	50	U
Aroclor-1260	50	U
beta-BHC	1.8	J
Chlordane	26	U
Chlorobenzilate	26	U
delta-BHC	2.6	U
Dieldrin	5	U
Endosulfan I	0.17	J
Endosulfan II	5	U
Endosulfan sulfate	5	U
Endrin	5	U
Endrin aldehyde	1.5	J
gamma-BHC (lindane)	0.5	J
Heptachlor	2.6	U
Heptachlor epoxide	2.6	U
Isodrin	0.95	J
Methoxychlor	26	U
Toxaphene	260	U
AF-16 Fish	**CRESTED GOBY**	
INORGANICS (mg/kg)		
Aluminum	2.8	U
Antimony	2.4	U
Arsenic	1.1	U
Barium	1.3	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.45	U
Copper	1	U
Iron	23.1	U
Lead	0.59	
Manganese	5.4	
Mercury	0.03	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	66.1	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	4.7	U
4,4'-DDE	4.7	U
4,4'-DDT	4.7	U
Aldrin	2.4	U
alpha-BHC	2.4	U
Aroclor-1016	47	U
Aroclor-1221	96	U
Aroclor-1232	47	U
Aroclor-1242	47	U
Aroclor-1248	47	U
Aroclor-1254	47	U
Aroclor-1260	47	U
beta-BHC	1.1	J
Chlordane	24	U
Chlorobenzilate	15	J
delta-BHC	2.4	U
Dieldrin	4.7	U
Endosulfan I	0.22	J
Endosulfan II	4.7	U
Endosulfan sulfate	4.7	U
Endrin	4.7	U
Endrin aldehyde	2.3	J
gamma-BHC (lindane)	2.4	U
Heptachlor	2.4	U
Heptachlor epoxide	2.4	U
Isodrin	0.77	J
Methoxychlor	24	U
Toxaphene	240	U
AF-19 Fish	**CRESTED GOBY**	
INORGANICS (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	0.94	U
Barium	0.81	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	0.49	U
Iron	5.3	U
Lead	0.34	U
Manganese	2.8	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	25.3	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	4.5	U
4,4'-DDE	4.5	U
4,4'-DDT	4.5	U
Aldrin	3.4	J
alpha-BHC	0.97	J
Aroclor-1016	45	U
Aroclor-1221	91	U
Aroclor-1232	45	U
Aroclor-1242	45	U
Aroclor-1248	45	U
Aroclor-1254	45	U
Aroclor-1260	45	U
beta-BHC	2.3	U
Chlordane	23	U
Chlorobenzilate	23	U
delta-BHC	0.23	J
Dieldrin	0.99	J
Endosulfan I	2.3	U
Endosulfan II	0.43	J
Endosulfan sulfate	17	J
Endrin	4.5	U
Endrin aldehyde	1.4	J
gamma-BHC (lindane)	1.5	J
Heptachlor	1.4	J
Heptachlor epoxide	2.3	U
Isodrin	2.1	J
Methoxychlor	4.6	J
Toxaphene	230	U
AF-20 Fish	**CRESTED GOBY**	
INORGANICS (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	1.5	U
Barium	0.9	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.45	U
Copper	1	U
Iron	12.2	U
Lead	0.34	U
Manganese	4.2	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	37.8	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.42	J
4,4'-DDE	4.5	U
4,4'-DDT	4.5	U
Aldrin	3	J
alpha-BHC	2.3	U
Aroclor-1016	45	U
Aroclor-1221	91	U
Aroclor-1232	45	U
Aroclor-1242	45	U
Aroclor-1248	45	U
Aroclor-1254	45	U
Aroclor-1260	45	U
beta-BHC	2.3	U
Chlordane	23	U
Chlorobenzilate	23	U
delta-BHC	2.3	U
Dieldrin	4.5	U
Endosulfan I	2.3	U
Endosulfan II	0.3	J
Endosulfan sulfate	16	J
Endrin	4.5	U
Endrin aldehyde	1.5	J
gamma-BHC (lindane)	0.34	J
Heptachlor	2.3	U
Heptachlor epoxide	2.3	U
Isodrin	2.2	J
Methoxychlor	23	U
Toxaphene	230	U
AF-21 Fish	**CRESTED GOBY**	
INORGANICS (mg/kg)		
Aluminum	45.3	
Antimony	2.4	U
Arsenic	1.6	U
Barium	1.4	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	1.4	U
Iron	14.5	U
Lead	0.4	
Manganese	6.1	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

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PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	49.5	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	1	J
4,4'-DDE	0.99	J
4,4'-DDT	4.1	U
Aldrin	2.8	J
alpha-BHC	2.1	U
Aroclor-1016	41	U
Aroclor-1221	84	U
Aroclor-1232	41	U
Aroclor-1242	41	U
Aroclor-1248	41	U
Aroclor-1254	41	U
Aroclor-1260	41	U
beta-BHC	2.1	U
Chlordane	21	U
Chlorobenzilate	21	U
delta-BHC	2.1	U
Dieldrin	0.89	J
Endosulfan I	2.1	U
Endosulfan II	0.22	J
Endosulfan sulfate	2.6	J
Endrin	4.1	U
Endrin aldehyde	1.4	J
gamma-BHC (lindane)	2.1	U
Heptachlor	0.48	J
Heptachlor epoxide	2.1	U
Isodrin	2.9	J
Methoxychlor	21	U
Toxaphene	210	U
AF-22 Fish	**CRESTED GOBY**	
INORGANICS (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	1.4	U
Barium	0.65	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	0.42	U
Iron	10.5	U
Lead	0.34	U
Manganese	3.8	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	30.5	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	4.7	U
4,4'-DDE	1	J
4,4'-DDT	4.7	U
Aldrin	3.8	J
alpha-BHC	2.4	U
Aroclor-1016	47	U
Aroclor-1221	96	U
Aroclor-1232	47	U
Aroclor-1242	47	U
Aroclor-1248	47	U
Aroclor-1254	47	U
Aroclor-1260	47	U
beta-BHC	2.4	U
Chlordane	24	U
Chlorobenzilate	24	U
delta-BHC	2.4	U
Dieldrin	0.81	J
Endosulfan I	2.4	U
Endosulfan II	0.52	J
Endosulfan sulfate	4.4	J
Endrin	4.7	U
Endrin aldehyde	1.4	J
gamma-BHC (lindane)	0.29	J
Heptachlor	0.75	J
Heptachlor epoxide	2.4	U
Isodrin	4	J
Methoxychlor	2.6	J
Toxaphene	240	U
AF-23 Fish	**CRESTED GOBY**	
INORGANICS (mg/kg)		
Aluminum	2.5	U
Antimony	2.4	U
Arsenic	0.82	U
Barium	0.75	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	0.97	U
Iron	14.3	
Lead	0.4	
Manganese	5.2	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	45.7	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	4.1	U
4,4'-DDE	0.46	J
4,4'-DDT	4.1	U
Aldrin	0.59	J
alpha-BHC	0.7	J
Aroclor-1016	41	U
Aroclor-1221	84	U
Aroclor-1232	41	U
Aroclor-1242	41	U
Aroclor-1248	41	U
Aroclor-1254	41	U
Aroclor-1260	41	U
beta-BHC	2.1	J
Chlordane	21	U
Chlorobenzilate	21	U
delta-BHC	2.1	U
Dieldrin	1.9	J
Endosulfan I	2.1	U
Endosulfan II	4.1	U
Endosulfan sulfate	4.1	U
Endrin	4.1	U
Endrin aldehyde	1.3	J
gamma-BHC (lindane)	0.46	J
Heptachlor	2.4	J
Heptachlor epoxide	2.1	U
Isodrin	1	J
Methoxychlor	21	U
Toxaphene	210	U
AF-24 Fish	**CRESTED GOBY**	
INORGANICS (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	1.1	U
Barium	0.64	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	1.4	U
Iron	12.1	
Lead	0.34	U
Manganese	3.4	
Mercury	0.02	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	34.2	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.49	J
4,4'-DDE	1.3	J
4,4'-DDT	6.5	J
Aldrin	0.22	J
alpha-BHC	2.6	U
Aroclor-1016	50	U
Aroclor-1221	100	U
Aroclor-1232	50	U
Aroclor-1242	50	U
Aroclor-1248	50	U
Aroclor-1254	50	U
Aroclor-1260	50	U
beta-BHC	2.1	J
Chlordane	26	U
Chlorobenzilate	26	U
delta-BHC	2.6	U
Dieldrin	2.3	J
Endosulfan I	2.6	U
Endosulfan II	0.36	J
Endosulfan sulfate	5	U
Endrin	5	U
Endrin aldehyde	9.3	J
gamma-BHC (lindane)	2.6	U
Heptachlor	1.7	J
Heptachlor epoxide	2.6	U
Isodrin	1.4	J
Methoxychlor	26	U
Toxaphene	260	U
AF-25 Fish	**CRESTED GOBY**	
INORGANICS (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	1.3	U
Barium	0.86	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	1.2	U
Iron	14.2	
Lead	0.35	
Manganese	5.2	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

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PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	53.2	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.84	J
4,4'-DDE	0.94	J
4,4'-DDT	1.3	J
Aldrin	0.37	J
alpha-BHC	2.6	U
Aroclor-1016	50	U
Aroclor-1221	100	U
Aroclor-1232	50	U
Aroclor-1242	50	U
Aroclor-1248	50	U
Aroclor-1254	50	U
Aroclor-1260	50	U
beta-BHC	3.2	
Chlordane	26	U
Chlorobenzilate	65	
delta-BHC	2.6	U
Dieldrin	3	J
Endosulfan I	2.6	U
Endosulfan II	0.7	J
Endosulfan sulfate	1.4	J
Endrin	5	U
Endrin aldehyde	1.4	J
gamma-BHC (lindane)	2.6	U
Heptachlor	2.6	U
Heptachlor epoxide	2.6	U
Isodrin	1.3	J
Methoxychlor	26	U
Toxaphene	260	U
AF-34 Fish	**CRESTED GOBY**	
INORGANICS (mg/kg)		
Aluminum	2.7	U
Antimony	2.4	U
Arsenic	1.5	U
Barium	2.2	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	0.68	U
Iron	21.2	U
Lead	0.41	
Manganese	7.2	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	46.5	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	2.7	J
4,4'-DDE	3.7	U
4,4'-DDT	3.7	U
Aldrin	3	J
alpha-BHC	1.9	U
Aroclor-1016	37	U
Aroclor-1221	74	U
Aroclor-1232	37	U
Aroclor-1242	37	U
Aroclor-1248	37	U
Aroclor-1254	37	U
Aroclor-1260	37	U
beta-BHC	1.9	U
Chlordane	19	U
Chlorobenzilate	19	U
delta-BHC	0.16	J
Dieldrin	3.7	U
Endosulfan I	0.12	J
Endosulfan II	0.47	J
Endosulfan sulfate	3.7	U
Endrin	3.7	U
Endrin aldehyde	2.2	J
gamma-BHC (lindane)	1.9	U
Heptachlor	2.6	
Heptachlor epoxide	0.42	J
Isodrin	1.1	J
Methoxychlor	4.2	J
Toxaphene	190	U
AF-35 Fish	**CRESTED GOBY**	
INORGANICS (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	0.54	U
Barium	0.32	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	0.34	U
Iron	4.1	U
Lead	0.34	U
Manganese	2.1	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	13.9	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.98	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	2	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	3	J
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	0.3	J
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	1.1	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.9	
Heptachlor epoxide	1.7	U
Isodrin	0.59	J
Methoxychlor	2.7	J
Toxaphene	170	U
AF-36 Fish	**CRESTED GOBY**	
INORGANICS (mg/kg)		
Aluminum	3.7	U
Antimony	2.4	U
Arsenic	1.5	U
Barium	1.3	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	1.5	U
Iron	13.1	U
Lead	0.34	U
Manganese	7	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	55.6	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	5	U
4,4'-DDE	0.72	J
4,4'-DDT	3.8	J
Aldrin	0.9	J
alpha-BHC	1.3	J
Aroclor-1016	50	U
Aroclor-1221	100	U
Aroclor-1232	50	U
Aroclor-1242	50	U
Aroclor-1248	50	U
Aroclor-1254	50	U
Aroclor-1260	50	U
beta-BHC	2.6	U
Chlordane	26	U
Chlorobenzilate	26	U
delta-BHC	2.6	U
Dieldrin	0.68	J
Endosulfan I	2.6	U
Endosulfan II	5	U
Endosulfan sulfate	1.2	J
Endrin	5	U
Endrin aldehyde	5	U
gamma-BHC (lindane)	2.6	U
Heptachlor	2	J
Heptachlor epoxide	2.6	U
Isodrin	1.7	J
Methoxychlor	26	U
Toxaphene	260	U
AF-37 Fish	**CRESTED GOBY**	
INORGANICS (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	1.7	U
Barium	1	U
Beryllium	0.04	U
Cadmium	0.6	U
Chromium	0.82	U
Cobalt	0.42	U
Copper	1.3	U
Iron	15.5	U
Lead	0.53	
Manganese	6.9	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

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PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	54.7	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.62	J
4,4'-DDE	0.74	J
4,4'-DDT	1.2	J
Aldrin	3.8	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	4.4	
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.53	J
Dieldrin	0.17	J
Endosulfan I	0.51	J
Endosulfan II	0.51	J
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	0.68	J
gamma-BHC (lindane)	1.2	J
Heptachlor	1.7	U
Heptachlor epoxide	0.28	J
Isodrin	2.4	J
Methoxychlor	17	U
Toxaphene	170	U
AF-17 Fish	**SAILFIN MOLLY**	
INORGANICS (mg/kg)		
Aluminum	4.6	U
Antimony	2.4	U
Arsenic	1.5	U
Barium	4.1	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	5.2	U
Iron	42.4	
Lead	0.61	
Manganese	6.7	
Mercury	0.02	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	45.2	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	1.9	J
4,4'-DDE	2.1	J
4,4'-DDT	3.2	J
Aldrin	2.2	U
alpha-BHC	2.2	U
Aroclor-1016	43	U
Aroclor-1221	87	U
Aroclor-1232	43	U
Aroclor-1242	43	U
Aroclor-1248	43	U
Aroclor-1254	43	U
Aroclor-1260	43	U
beta-BHC	1.8	J
Chlordane	22	U
Chlorobenzilate	39	
delta-BHC	2.2	U
Dieldrin	1.6	J
Endosulfan I	0.74	J
Endosulfan II	4.3	U
Endosulfan sulfate	2.4	J
Endrin	1.7	J
Endrin aldehyde	18	J
gamma-BHC (lindane)	2.2	U
Heptachlor	0.95	J
Heptachlor epoxide	2.2	J
Isodrin	0.48	J
Methoxychlor	3.1	J
Toxaphene	220	U
AF-18 Fish	**SAILFIN MOLLY**	
INORGANICS (mg/kg)		
Aluminum	7.6	U
Antimony	2.4	U
Arsenic	1.6	U
Barium	3.1	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	4.4	U
Iron	33.2	
Lead	0.46	
Manganese	5.1	
Mercury	0.02	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	39.7	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	4	J
4,4'-DDE	2.1	J
4,4'-DDT	1.8	J
Aldrin	2.3	U
alpha-BHC	2.3	U
Aroclor-1016	45	U
Aroclor-1221	91	U
Aroclor-1232	45	U
Aroclor-1242	45	U
Aroclor-1248	45	U
Aroclor-1254	45	U
Aroclor-1260	45	U
beta-BHC	1.8	J
Chlordane	23	U
Chlorobenzilate	44	
delta-BHC	2.3	U
Dieldrin	4.5	U
Endosulfan I	0.75	J
Endosulfan II	0.59	J
Endosulfan sulfate	1.9	J
Endrin	1.3	J
Endrin aldehyde	3.9	J
gamma-BHC (lindane)	2.3	U
Heptachlor	2.3	U
Heptachlor epoxide	3.4	
Isodrin	1.4	J
Methoxychlor	1.3	J
Toxaphene	230	U
AF-26 Fish	**SAILFIN MOLLY**	
INORGANICS (mg/kg)		
Aluminum	3.8	U
Antimony	2.4	U
Arsenic	1.7	U
Barium	5.7	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	5.2	U
Iron	25.4	U
Lead	0.34	U
Manganese	6.9	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	29.7	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	1.2	J
4,4'-DDE	2.6	J
4,4'-DDT	5	U
Aldrin	1.4	J
alpha-BHC	2.6	U
Aroclor-1016	50	U
Aroclor-1221	100	U
Aroclor-1232	50	U
Aroclor-1242	50	U
Aroclor-1248	50	U
Aroclor-1254	50	U
Aroclor-1260	50	U
beta-BHC	0.91	J
Chlordane	26	U
Chlorobenzilate	30	
delta-BHC	2.6	U
Dieldrin	1.9	J
Endosulfan I	2.1	J
Endosulfan II	0.36	J
Endosulfan sulfate	15	J
Endrin	5	U
Endrin aldehyde	2.2	J
gamma-BHC (lindane)	2.6	U
Heptachlor	1.1	J
Heptachlor epoxide	0.62	J
Isodrin	5	U
Methoxychlor	26	U
Toxaphene	260	U
AF-31 Fish	**SAILFIN MOLLY**	
INORGANICS (mg/kg)		
Aluminum	4.7	U
Antimony	2.4	U
Arsenic	1.7	U
Barium	3.6	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	7	U
Iron	52.8	
Lead	0.35	
Manganese	5.2	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

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PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	28.3	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.95	J
4,4'-DDE	1.1	J
4,4'-DDT	5.2	U
Aldrin	0.93	J
alpha-BHC	2.7	U
Aroclor-1016	52	U
Aroclor-1221	100	U
Aroclor-1232	52	U
Aroclor-1242	52	U
Aroclor-1248	52	U
Aroclor-1254	52	U
Aroclor-1260	52	U
beta-BHC	2.7	U
Chlordane	27	U
Chlorobenzilate	40	J
delta-BHC	2.7	U
Dieldrin	0.82	J
Endosulfan I	1.4	J
Endosulfan II	0.34	J
Endosulfan sulfate	5.2	U
Endrin	5.2	U
Endrin aldehyde	2.3	J
gamma-BHC (lindane)	0.41	J
Heptachlor	2.7	U
Heptachlor epoxide	0.81	J
Isodrin	5.2	U
Methoxychlor	7.8	J
Toxaphene	270	U
AF-32 Fish	**SAILFIN MOLLY**	
INORGANICS (mg/kg)		
Aluminum	2.9	U
Antimony	2.4	U
Arsenic	1.6	U
Barium	5.3	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	13.4	
Iron	38.7	
Lead	0.43	
Manganese	7.6	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	31.4	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	1.3	J
4,4'-DDE	1.7	J
4,4'-DDT	4.1	J
Aldrin	2	J
alpha-BHC	2.7	U
Aroclor-1016	52	U
Aroclor-1221	100	U
Aroclor-1232	52	U
Aroclor-1242	52	U
Aroclor-1248	52	U
Aroclor-1254	52	U
Aroclor-1260	52	U
beta-BHC	2.7	U
Chlordane	27	U
Chlorobenzilate	25	J
delta-BHC	2.7	U
Dieldrin	0.97	J
Endosulfan I	1.7	J
Endosulfan II	0.26	J
Endosulfan sulfate	1.2	J
Endrin	5.2	U
Endrin aldehyde	1.8	J
gamma-BHC (lindane)	0.42	J
Heptachlor	0.82	J
Heptachlor epoxide	0.66	J
Isodrin	0.64	J
Methoxychlor	4.9	J
Toxaphene	270	U
AF-33 Fish	**SAILFIN MOLLY**	
INORGANICS (mg/kg)		
Aluminum	2.6	U
Antimony	2.4	U
Arsenic	1.5	U
Barium	2.8	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	4.7	U
Iron	26.6	U
Lead	0.34	U
Manganese	4.8	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	25.1	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	1.1	J
4,4'-DDE	0.64	J
4,4'-DDT	1.5	J
Aldrin	0.6	J
alpha-BHC	1.1	U
Aroclor-1016	22	U
Aroclor-1221	45	U
Aroclor-1232	22	U
Aroclor-1242	22	U
Aroclor-1248	22	U
Aroclor-1254	22	U
Aroclor-1260	22	U
beta-BHC	0.99	J
Chlordane	11	U
Chlorobenzilate	24	
delta-BHC	1.1	U
Dieldrin	0.17	J
Endosulfan I	0.87	J
Endosulfan II	0.13	J
Endosulfan sulfate	0.75	J
Endrin	2.2	U
Endrin aldehyde	1	J
gamma-BHC (lindane)	1.1	U
Heptachlor	0.051	J
Heptachlor epoxide	0.22	J
Isodrin	0.45	J
Methoxychlor	2.1	J
Toxaphene	110	U
AF-29 Fish	**TARPON**	
INORGANICS (mg/kg)		
Aluminum	6.6	U
Antimony	2.4	U
Arsenic	5.8	
Barium	0.47	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	1.2	U
Cobalt	0.37	U
Copper	1.5	U
Iron	13.8	U
Lead	0.34	U
Manganese	4.9	
Mercury	0.02	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	30	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	2.2	J
4,4'-DDE	4.7	
4,4'-DDT	1.7	J
Aldrin	0.98	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	25	
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	0.87	J
Endosulfan II	0.53	J
Endosulfan sulfate	4.8	J
Endrin	0.72	J
Endrin aldehyde	1.4	J
gamma-BHC (lindane)	0.31	J
Heptachlor	1.7	U
Heptachlor epoxide	0.59	J
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
AF-7 Fish	**TARPON**	
INORGANICS (mg/kg)		
Aluminum	4.7	U
Antimony	2.4	U
Arsenic	6.5	
Barium	0.2	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	1.3	U
Iron	10.1	U
Lead	0.34	U
Manganese	1.9	
Mercury	0.05	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U

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PARAMETER	RESULT	QUAL
Vanadium	0.45	U
Zinc	17.5	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	330	U
1,2,4-trichlorobenzene	330	U
1,2-dichlorobenzene	330	U
1,3,5-trinitrobenzene	330	U
1,3-dichlorobenzene	330	U
1,3-dinitrobenzene	330	U
1,4-dichlorobenzene	330	U
1,4-dioxane	330	U
1,4-naphthoquinone	330	U
1-naphthylamine	330	U
2,3,4,6-tetrachlorophenol	1700	U
2,4,5-trichlorophenol	330	U
2,4,6-trichlorophenol	330	U
2,4-dichlorophenol	330	U
2,4-dimethylphenol	330	U
2,4-dinitrophenol	1700	U
2,4-dinitrotoluene	330	U
2,6-dichlorophenol	330	U
2,6-dinitrotoluene	330	U
2-acetylaminofluorene	330	U
2-chloronaphthalene	330	U
2-chlorophenol	330	U
2-methyl-4,6-dinitrophenol	1700	U
2-methylnaphthalene	330	U
2-naphthylamine	330	U
2-nitroaniline	1700	U
2-nitrophenol	330	U
2-picoline	330	U
3 & 4-methylphenol	330	U
3,3'-dichlorobenzidine	660	U
3,3'-dimethylbenzidine	1700	U
3-methylcholanthrene	330	U
3-nitroaniline	1700	U
4-aminobiphenyl	330	U
4-bromophenyl phenyl ether	330	U
4-chloro-3-methylphenol	330	U
4-chloroaniline	660	U
4-chlorophenyl phenyl ether	330	U
4-nitroaniline	1700	U
4-nitrophenol	1700	U
4-nitroquinoline-1-oxide	3300	U
5-nitro-o-toluidine	330	U
7,12-dimethylbenz(a)anthracene	330	U
a,a-dimethylphenethylamine	1700	U
Acenaphthene	330	U
Acenaphthylene	330	U
Acetophenone	330	U

PARAMETER	RESULT	QUAL
Aniline	330	U
Anthracene	330	U
Aramite	330	U
Benzo(a)anthracene	330	U
Benzo(a)pyrene	330	U
Benzo(b)fluoranthene	330	U
Benzo(g,h,i)perylene	330	U
Benzo(k)fluoranthene	330	U
Benzyl alcohol	330	U
Bis(2-chloroethoxy)methane	330	U
Bis(2-chloroethyl)ether	330	U
Bis(2-ethylhexyl)phthalate	330	U
Butyl benzyl phthalate	330	U
Chrysene	330	U
Di-n-butyl phthalate	330	U
Di-n-octyl phthalate	330	U
Diallate	330	U
Dibenzo(a,h)anthracene	330	U
Dibenzofuran	330	U
Diethyl phthalate	330	U
Dimethyl phthalate	330	U
Ethyl methanesulfonate	330	U
Fluoranthene	330	U
Fluorene	330	U
Hexachlorobenzene	330	U
Hexachlorobutadiene	330	U
Hexachlorocyclopentadiene	330	U
Hexachloroethane	330	U
Hexachloropropene	330	U
Indeno(1,2,3-cd)pyrene	330	U
Isophorone	330	U
Isosafrole	330	U
Methapyrilene	3300	U
Methyl methanesulfonate	330	U
Methylphenol	330	U
N-nitroso-di-n-butylamine	330	U
N-nitroso-di-n-propylamine	330	U
N-nitrosodiethylamine	330	U
N-nitrosodimethylamine	330	U
N-nitrosodiphenylamine	330	U
N-nitrosomethylethylamine	330	U
N-nitrosomorpholine	330	U
N-nitrosopiperidine	330	U
N-nitrosopyrrolidine	330	U
Naphthalene	330	U
Nitrobenzene	330	U
o,o,o-triethylphosphorothioate	330	U
o-toluidine	330	U
p-dimethylaminoazobenzene	330	U
p-phenylenediamine	1700	U

PARAMETER	RESULT	QUAL
Pentachlorobenzene	330	U
Pentachloronitrobenzene	330	U
Pentachlorophenol	1700	U
Phenacetin	330	U
Phenanthrene	330	U
Phenol	330	U
Pronamide	330	U
Pyrene	330	U
Pyridine	330	U
Safrole	330	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
Bis(2-chloroisopropyl)ether	330	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.1	J
4,4'-DDE	9.5	
4,4'-DDT	4	
Aldrin	1.4	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	0.52	J
Chlordane	17	U
Chlorobenzilate	74	
delta-BHC	1.7	U
Dieldrin	0.93	J
Dinoseb	330	U
Endosulfan I	2.2	
Endosulfan II	0.7	J
Endosulfan sulfate	3.3	U
Endrin	0.62	J
Endrin aldehyde	3.9	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	3	
Isodrin	3.3	U
Kepone	330	U
Methoxychlor	17	U
Toxaphene	170	U
IR 1		
11CH-1 Conch		**VASE CONCH**
INORGANICS (mg/kg)		
Aluminum	3.5	U
Antimony	1.1	U
Arsenic	110	
Barium	0.09	U

PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.22	U
Cobalt	0.11	U
Copper	9.2	
Iron	33.1	
Lead	0.4	U
Manganese	2.1	
Mercury	0.01	U
Nickel	10.5	
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.19	U
Zinc	19.7	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	1	J
4,4'-DDE	0.49	J
4,4'-DDT	3.3	U
Aldrin	0.19	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	28	J
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
11CH-17 Conch		**VASE CONCH**
INORGANICS (mg/kg)		
Aluminum	3.4	U
Antimony	1.1	U
Arsenic	64.9	
Barium	0.08	U

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PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.21	
Chromium	0.16	U
Cobalt	0.11	U
Copper	56.9	
Iron	59.4	
Lead	0.53	U
Manganese	4	
Mercury	0.01	U
Nickel	0.29	U
Selenium	1.3	
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.19	U
Zinc	18.5	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.69	J
4,4'-DDE	2.2	J
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	0.11	J
Endosulfan I	1.7	U
Endosulfan II	0.57	J
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I1CH-18 Conch	**VASE CONCH**	
INORGANICS (mg/kg)		
Aluminum	7	U
Antimony	1.1	U
Arsenic	70.2	
Barium	0.04	U

PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.46	
Chromium	0.16	U
Cobalt	0.11	U
Copper	35.6	
Iron	29	U
Lead	0.33	
Manganese	7.6	
Mercury	0.01	
Nickel	0.79	U
Selenium	1.5	
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.19	U
Zinc	19	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	6.6	U
4,4'-DDE	3.6	J
4,4'-DDT	2.9	J
Aldrin	3.4	U
alpha-BHC	3.4	U
Aroclor-1016	66	U
Aroclor-1221	130	U
Aroclor-1232	66	U
Aroclor-1242	66	U
Aroclor-1248	66	U
Aroclor-1254	66	U
Aroclor-1260	66	U
beta-BHC	3.4	U
Chlordane	34	U
Chlorobenzilate	57	J
delta-BHC	20	J
Dieldrin	6.6	U
Endosulfan I	0.23	J
Endosulfan II	6.6	U
Endosulfan sulfate	6.6	U
Endrin	1.7	J
Endrin aldehyde	10	
gamma-BHC (lindane)	3.4	U
Heptachlor	3.4	U
Heptachlor epoxide	3.4	U
Isodrin	6.6	U
Methoxychlor	34	U
Toxaphene	340	U
I1CH-19 Conch	**VASE CONCH**	
INORGANICS (mg/kg)		
Aluminum	6.4	U
Antimony	1.1	U
Arsenic	63.2	
Barium	0.1	U

PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.16	U
Cobalt	0.11	U
Copper	8.7	
Iron	16.7	U
Lead	0.32	U
Manganese	1.7	U
Mercury	0.01	
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.19	U
Zinc	15	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	16	U
4,4'-DDE	16	U
4,4'-DDT	16	U
Aldrin	8.4	U
alpha-BHC	8.4	U
Aroclor-1016	160	U
Aroclor-1221	330	U
Aroclor-1232	160	U
Aroclor-1242	160	U
Aroclor-1248	160	U
Aroclor-1254	160	U
Aroclor-1260	160	U
beta-BHC	8.4	U
Chlordane	84	U
Chlorobenzilate	84	U
delta-BHC	8.4	U
Dieldrin	16	U
Endosulfan I	8.4	U
Endosulfan II	1.4	J
Endosulfan sulfate	16	U
Endrin	16	U
Endrin aldehyde	16	U
gamma-BHC (lindane)	8.4	U
Heptachlor	8.4	U
Heptachlor epoxide	8.4	U
Isodrin	16	U
Methoxychlor	84	U
Toxaphene	840	U
I1CH-2 Conch	**VASE CONCH**	
INORGANICS (mg/kg)		
Aluminum	4.8	U
Antimony	1.1	U
Arsenic	74.8	
Barium	0.08	U

PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.18	
Chromium	0.16	U
Cobalt	0.11	U
Copper	40	
Iron	71.2	
Lead	0.81	U
Manganese	4.7	
Mercury	0.01	U
Nickel	0.36	
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.3	U
Zinc	21.6	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	1.3	J
4,4'-DDE	2.5	J
4,4'-DDT	3.4	U
Aldrin	0.86	J
alpha-BHC	1.8	U
Aroclor-1016	34	U
Aroclor-1221	70	U
Aroclor-1232	34	U
Aroclor-1242	34	U
Aroclor-1248	34	U
Aroclor-1254	34	U
Aroclor-1260	53	
beta-BHC	1.8	U
Chlordane	18	U
Chlorobenzilate	34	
delta-BHC	1.8	U
Dieldrin	3.4	U
Endosulfan I	1.8	U
Endosulfan II	1.2	J
Endosulfan sulfate	3.4	U
Endrin	1.2	J
Endrin aldehyde	2.1	J
gamma-BHC (lindane)	0.35	J
Heptachlor	0.96	J
Heptachlor epoxide	1.8	U
Isodrin	0.35	J
Methoxychlor	18	U
Toxaphene	180	U
I1CH-20 Conch	**VASE CONCH**	
INORGANICS (mg/kg)		
Aluminum	10.3	U
Antimony	1.1	U
Arsenic	46.9	
Barium	0.06	U

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PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.16	
Chromium	0.16	U
Cobalt	0.11	U
Copper	19.2	
Iron	19.1	U
Lead	0.34	
Manganese	3.2	
Mercury	0.02	
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.19	U
Zinc	18.4	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	16	U
4,4'-DDE	10	J
4,4'-DDT	7.9	J
Aldrin	0.94	J
alpha-BHC	8.5	U
Aroclor-1016	160	U
Aroclor-1221	340	U
Aroclor-1232	160	U
Aroclor-1242	160	U
Aroclor-1248	160	U
Aroclor-1254	160	U
Aroclor-1260	160	U
beta-BHC	8.5	U
Chlordane	85	U
Chlorobenzilate	140	
delta-BHC	0.72	J
Dieldrin	16	U
Endosulfan I	8.5	U
Endosulfan II	16	U
Endosulfan sulfate	16	U
Endrin	16	U
Endrin aldehyde	2.6	J
gamma-BHC (lindane)	8.5	U
Heptachlor	8.5	U
Heptachlor epoxide	8.5	U
Isodrin	16	U
Methoxychlor	85	U
Toxaphene	850	U
I1CH-21 Conch		**VASE CONCH**
INORGANICS (mg/kg)		
Aluminum	5.8	U
Antimony	1.1	U
Arsenic	69.2	
Barium	0.09	U

PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.16	U
Cobalt	0.11	U
Copper	11.4	
Iron	18.1	U
Lead	0.32	U
Manganese	1.5	U
Mercury	0.01	
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.19	U
Zinc	18.7	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	25	U
4,4'-DDE	2.6	J
4,4'-DDT	1.4	J
Aldrin	2.6	J
alpha-BHC	13	U
Aroclor-1016	250	U
Aroclor-1221	510	U
Aroclor-1232	250	U
Aroclor-1242	250	U
Aroclor-1248	250	U
Aroclor-1254	250	U
Aroclor-1260	250	U
beta-BHC	13	U
Chlordane	130	U
Chlorobenzilate	34	J
delta-BHC	13	U
Dieldrin	25	U
Endosulfan I	13	U
Endosulfan II	25	U
Endosulfan sulfate	25	U
Endrin	25	U
Endrin aldehyde	25	U
gamma-BHC (lindane)	13	U
Heptachlor	13	U
Heptachlor epoxide	13	U
Isodrin	25	U
Methoxychlor	130	U
Toxaphene	1300	U
I1CH-22 Conch		**VASE CONCH**
INORGANICS (mg/kg)		
Aluminum	32.6	
Antimony	1.1	U
Arsenic	72.9	
Barium	0.18	U

PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.16	
Chromium	0.16	U
Cobalt	0.11	U
Copper	27.9	
Iron	39.5	
Lead	0.36	
Manganese	5.3	
Mercury	0.02	
Nickel	0.29	U
Selenium	2.1	
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.26	U
Zinc	14.9	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	2.4	J
4,4'-DDE	0.94	J
4,4'-DDT	0.64	J
Aldrin	2.9	U
alpha-BHC	2.9	U
Aroclor-1016	56	U
Aroclor-1221	110	U
Aroclor-1232	56	U
Aroclor-1242	56	U
Aroclor-1248	56	U
Aroclor-1254	56	U
Aroclor-1260	56	U
beta-BHC	2.9	U
Chlordane	29	U
Chlorobenzilate	17	J
delta-BHC	2.9	U
Dieldrin	5.6	U
Endosulfan I	2.9	U
Endosulfan II	5.6	U
Endosulfan sulfate	3.1	J
Endrin	1.2	J
Endrin aldehyde	7	
gamma-BHC (lindane)	2.9	U
Heptachlor	2.9	U
Heptachlor epoxide	2.9	U
Isodrin	5.6	U
Methoxychlor	29	U
Toxaphene	290	U
I1CH-23 Conch		**VASE CONCH**
INORGANICS (mg/kg)		
Aluminum	8.3	U
Antimony	1.1	U
Arsenic	60.5	
Barium	0.04	U

PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	1.8	
Chromium	0.16	U
Cobalt	0.11	U
Copper	63	
Iron	35.7	
Lead	0.35	
Manganese	2.1	U
Mercury	0.19	
Nickel	0.29	U
Selenium	1	U
Silver	0.22	U
Thallium	0.92	U
Vanadium	0.19	U
Zinc	223	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	5	U
4,4'-DDE	4.5	J
4,4'-DDT	6.8	J
Aldrin	0.68	J
alpha-BHC	2.6	U
Aroclor-1016	50	U
Aroclor-1221	100	U
Aroclor-1232	50	U
Aroclor-1242	50	U
Aroclor-1248	50	U
Aroclor-1254	50	U
Aroclor-1260	50	U
beta-BHC	2.6	U
Chlordane	26	U
Chlorobenzilate	150	
delta-BHC	2.6	U
Dieldrin	5	U
Endosulfan I	0.48	J
Endosulfan II	5	U
Endosulfan sulfate	5	U
Endrin	3	J
Endrin aldehyde	4	J
gamma-BHC (lindane)	2.6	U
Heptachlor	2.6	U
Heptachlor epoxide	2.6	U
Isodrin	5	U
Methoxychlor	26	U
Toxaphene	260	U
I1CH-3 Conch		**VASE CONCH**
INORGANICS (mg/kg)		
Aluminum	4	U
Antimony	1.1	U
Arsenic	61.4	
Barium	0.13	U

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PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.24	
Chromium	0.16	U
Cobalt	0.11	U
Copper	22.9	
Iron	38	
Lead	0.62	U
Manganese	6.8	
Mercury	0.02	U
Nickel	8.1	
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.19	U
Zinc	16.7	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	4.8	
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.27	J
Dieldrin	0.1	J
Endosulfan I	0.24	J
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	0.11	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I1C-27 Crab	**RED HERMIT CRAB**	
INORGANICS (mg/kg)		
Aluminum	2.9	U
Antimony	1.1	U
Arsenic	21.8	
Barium	3.1	

PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.34	U
Cobalt	0.11	U
Copper	34.4	
Iron	62.8	
Lead	0.39	U
Manganese	2.9	
Mercury	0.02	U
Nickel	0.3	
Selenium	2.2	
Silver	0.28	U
Thallium	0.92	U
Vanadium	0.78	U
Zinc	43.9	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	UJ
4,4'-DDE	0.99	J
4,4'-DDT	3.3	UJ
Aldrin	1.7	UJ
alpha-BHC	1.7	UJ
Aroclor-1016	33	UJ
Aroclor-1221	67	UJ
Aroclor-1232	33	UJ
Aroclor-1242	33	UJ
Aroclor-1248	33	UJ
Aroclor-1254	33	UJ
Aroclor-1260	33	UJ
beta-BHC	1.7	UJ
Chlordane	17	UJ
Chlorobenzilate	17	UJ
delta-BHC	1.7	UJ
Dieldrin	3.3	UJ
Endosulfan I	1.7	UJ
Endosulfan II	3.3	UJ
Endosulfan sulfate	3.3	UJ
Endrin	3.3	UJ
Endrin aldehyde	3.3	UJ
gamma-BHC (lindane)	1.7	UJ
Heptachlor	1.7	UJ
Heptachlor epoxide	1.7	UJ
Isodrin	3.3	UJ
Methoxychlor	17	UJ
Toxaphene	170	UJ
I1C-4 Crab	**RED HERMIT CRAB**	
INORGANICS (mg/kg)		
Aluminum	5.6	U
Antimony	1.1	U
Arsenic	12.6	
Barium	2.7	

PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.51	U
Cobalt	0.11	U
Copper	39.5	
Iron	104	
Lead	0.77	U
Manganese	3.1	
Mercury	0.01	U
Nickel	0.33	
Selenium	2.2	
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.79	U
Zinc	36.3	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	1.7	J
4,4'-DDE	17	
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	260	
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.2	J
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I1L-10 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	10.6	U
Antimony	1.1	U
Arsenic	20.7	
Barium	0.67	U

PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.24	
Chromium	0.16	U
Cobalt	0.11	U
Copper	125	
Iron	6.9	U
Lead	0.32	U
Manganese	0.78	U
Mercury	0.01	
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.25	
Zinc	35.3	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	0.79	J
Aldrin	0.08	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	0.17	J
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	0.14	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I1L-11 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	2.9	U
Antimony	1.1	U
Arsenic	17.6	
Barium	0.86	U

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PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.16	U
Cobalt	0.11	U
Copper	18.9	
Iron	3	U
Lead	0.32	U
Manganese	0.46	U
Mercury	0.04	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.2	U
Zinc	27.2	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	0.057	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	0.2	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.13	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	0.74	J
Toxaphene	170	U
I1L-12 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	5.2	U
Antimony	1.1	U
Arsenic	21.3	
Barium	1.2	U

PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.12	
Chromium	0.21	U
Cobalt	0.11	U
Copper	21.9	
Iron	3	U
Lead	0.32	U
Manganese	1.1	U
Mercury	0.07	
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.48	U
Zinc	28	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	0.11	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	0.27	J
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	0.088	J
Endrin aldehyde	0.3	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I1L-13 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	2.7	U
Antimony	1.1	U
Arsenic	18.1	
Barium	1.2	U

PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.1	
Chromium	0.23	U
Cobalt	0.11	U
Copper	21.6	
Iron	4.5	
Lead	0.32	U
Manganese	0.72	U
Mercury	0.06	
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.2	U
Zinc	20.3	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	0.2	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I1L-14 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	3.3	U
Antimony	1.1	U
Arsenic	24.9	
Barium	1.4	U

PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.13	
Chromium	0.21	U
Cobalt	0.11	U
Copper	24.3	
Iron	3.8	
Lead	0.32	U
Manganese	1.1	U
Mercury	0.06	
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.68	U
Zinc	28.6	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	0.12	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I1L-15 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	3.2	U
Antimony	1.1	U
Arsenic	19.1	
Barium	1.6	U

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PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.11	
Chromium	0.22	U
Cobalt	0.11	U
Copper	38.7	
Iron	7	
Lead	0.33	U
Manganese	0.88	U
Mercury	0.02	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.28	U
Zinc	25.1	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	0.29	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
11L-16 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	3.2	U
Antimony	1.1	U
Arsenic	15.2	
Barium	0.85	U

PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.12	
Chromium	0.21	U
Cobalt	0.11	U
Copper	48.9	
Iron	3	U
Lead	0.32	U
Manganese	1.1	U
Mercury	0.05	
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.44	U
Zinc	33.8	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	7	J
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	0.18	J
Endosulfan I	0.12	J
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
11L-5 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	8.3	U
Antimony	1.1	U
Arsenic	28.2	
Barium	0.2	U

PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.16	U
Cobalt	0.11	U
Copper	19.2	
Iron	4.9	U
Lead	0.32	U
Manganese	0.1	U
Mercury	0.05	
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.21	U
Zinc	21.9	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	2.3	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	4.6	J
Endrin	3.3	U
Endrin aldehyde	0.59	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
11L-6 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	8.2	U
Antimony	1.1	U
Arsenic	23.8	
Barium	0.38	U

PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.3	
Chromium	0.16	U
Cobalt	0.11	U
Copper	87	
Iron	11.3	U
Lead	0.32	U
Manganese	0.95	U
Mercury	0.02	
Nickel	0.34	U
Selenium	1	U
Silver	0.42	U
Thallium	0.92	U
Vanadium	0.82	U
Zinc	25.2	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	0.12	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
11L-7 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	11.6	U
Antimony	1.1	U
Arsenic	22.5	
Barium	0.44	U

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PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.14	
Chromium	0.16	U
Cobalt	0.14	U
Copper	58	
Iron	8.6	U
Lead	0.32	U
Manganese	0.58	U
Mercury	0.04	
Nickel	0.29	U
Selenium	1	U
Silver	0.23	U
Thallium	0.92	U
Vanadium	0.29	U
Zinc	26.8	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	28	
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	1.5	J
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I1L-8 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	10.2	U
Antimony	1.1	U
Arsenic	28.7	
Barium	0.68	U

PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.12	
Chromium	0.16	U
Cobalt	0.11	U
Copper	43.3	
Iron	5.9	U
Lead	0.39	
Manganese	0.5	U
Mercury	0.04	
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.37	U
Zinc	35.4	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	0.34	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	1	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I1L-9 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	7.5	U
Antimony	1.1	U
Arsenic	31.8	
Barium	0.44	U

PARAMETER	RESULT	QUAL
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.16	U
Cobalt	0.11	U
Copper	18	
Iron	6	U
Lead	0.32	U
Manganese	0.44	U
Mercury	0.07	
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.25	U
Zinc	21.4	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	0.71	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	0.12	J
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	0.19	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I1V-30 Vegetation		**TURTLE GRASS**
INORGANICS (mg/kg)		
Aluminum	5.4	U
Antimony	1.9	U
Arsenic	0.94	U
Barium	0.57	U

PARAMETER	RESULT	QUAL
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	1.2	U
Iron	47.6	U
Lead	1.2	
Manganese	8	
Mercury	0.01	U
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.81	U
Zinc	26.2	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	0.38	J
Aldrin	0.074	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	68	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	0.38	J
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	0.26	J
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I1V-31 Vegetation		**TURTLE GRASS**
INORGANICS (mg/kg)		
Aluminum	4.3	U
Antimony	1.9	U
Arsenic	0.94	U
Barium	0.39	U

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PARAMETER	RESULT	QUAL
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.3	U
Copper	1.8	U
Iron	54.7	U
Lead	0.72	
Manganese	6.5	
Mercury	0.02	
Nickel	0.79	
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.76	U
Zinc	24.8	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	0.35	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	0.48	J
Endrin aldehyde	0.15	J
gamma-BHC (lindane)	0.21	J
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
1V-32 Vegetation	**TURTLE GRASS**	
INORGANICS (mg/kg)		
Aluminum	3.1	U
Antimony	1.9	U
Arsenic	0.94	U
Barium	0.42	U

PARAMETER	RESULT	QUAL
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	1.9	U
Iron	37.6	U
Lead	1	
Manganese	10.9	
Mercury	0.01	
Nickel	0.9	
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	25.4	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	0.22	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	68	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	0.28	J
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	0.082	J
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	0.53	J
Toxaphene	170	U
1V-33 Vegetation	**TURTLE GRASS**	
INORGANICS (mg/kg)		
Aluminum	2.1	U
Antimony	1.9	U
Arsenic	0.94	U
Barium	0.19	U

PARAMETER	RESULT	QUAL
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.27	U
Copper	1.3	U
Iron	20.2	U
Lead	0.61	
Manganese	8.3	
Mercury	0.01	
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	18.7	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	16	U
4,4'-DDE	16	U
4,4'-DDT	16	U
Aldrin	8.4	U
alpha-BHC	8.4	U
Aroclor-1016	160	U
Aroclor-1221	330	U
Aroclor-1232	160	U
Aroclor-1242	160	U
Aroclor-1248	160	U
Aroclor-1254	160	U
Aroclor-1260	760	
beta-BHC	8.4	U
Chlordane	84	U
Chlorobenzilate	84	U
delta-BHC	8.4	U
Dieldrin	16	U
Endosulfan I	8.4	U
Endosulfan II	16	U
Endosulfan sulfate	16	U
Endrin	16	U
Endrin aldehyde	16	U
gamma-BHC (lindane)	8.4	U
Heptachlor	8.4	U
Heptachlor epoxide	8.4	U
Isodrin	16	U
Methoxychlor	84	U
Toxaphene	840	U
IR 7		
7C-11 Crab	**SPINY SPIDER CRAB**	
INORGANICS (mg/kg)		
Aluminum	1.9	U
Antimony	1.9	U
Arsenic	4.5	

PARAMETER	RESULT	QUAL
Barium	2.5	U
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	7.7	
Iron	53.8	U
Lead	0.32	U
Manganese	2.2	U
Mercury	0.02	
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.88	U
Zinc	7.1	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.2	U
4,4'-DDE	3.2	U
4,4'-DDT	3.2	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	32	U
Aroclor-1221	66	U
Aroclor-1232	32	U
Aroclor-1242	32	U
Aroclor-1248	32	U
Aroclor-1254	32	U
Aroclor-1260	32	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.2	U
Endosulfan I	1.7	U
Endosulfan II	3.2	U
Endosulfan sulfate	3.2	U
Endrin	0.092	J
Endrin aldehyde	0.54	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.2	U
Methoxychlor	17	U
Toxaphene	170	U
7L-16 Crab	**SPINY SPIDER CRAB**	
INORGANICS (mg/kg)		
Aluminum	6.2	
Antimony	1.9	U
Arsenic	5.3	

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PARAMETER	RESULT	QUAL
Barium	5	
Beryllium	0.05	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	10.9	
Iron	68.7	
Lead	0.32	U
Manganese	2.6	
Mercury	0.02	U
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.88	
Zinc	11.1	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	0.46	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.079	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	0.99	J
gamma-BHC (lindane)	0.17	J
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
7C-8 Crab		**STONE CRAB**
INORGANICS (mg/kg)		
Aluminum	2.3	U
Antimony	2.4	U
Arsenic	22.7	

PARAMETER	RESULT	QUAL
Barium	1.6	
Beryllium	0.04	U
Cadmium	0.69	
Chromium	0.82	U
Cobalt	0.37	U
Copper	39.4	
Iron	18.5	
Lead	0.34	U
Manganese	1.8	
Mercury	0.14	
Nickel	0.85	U
Selenium	1	U
Silver	0.26	
Thallium	0.81	U
Vanadium	0.67	U
Zinc	66.8	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.61	J
4,4'-DDE	3.3	U
4,4'-DDT	1.1	J
Aldrin	0.65	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	5.8	J
delta-BHC	1.7	U
Dieldrin	0.59	J
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	1	J
Endrin aldehyde	3.4	
gamma-BHC (lindane)	1.7	U
Heptachlor	0.72	J
Heptachlor epoxide	0.83	J
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
7L-15 Crab		**STONE CRAB**
INORGANICS (mg/kg)		
Aluminum	1.6	U
Antimony	1.9	U
Arsenic	11.7	

PARAMETER	RESULT	QUAL
Barium	0.77	U
Beryllium	0.06	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	17	
Iron	7.1	U
Lead	0.32	U
Manganese	0.77	U
Mercury	0.06	
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	17.7	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.16	J
4,4'-DDE	3.2	U
4,4'-DDT	0.16	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	32	U
Aroclor-1221	66	U
Aroclor-1232	32	U
Aroclor-1242	32	U
Aroclor-1248	32	U
Aroclor-1254	32	U
Aroclor-1260	32	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.07	J
Dieldrin	0.19	J
Endosulfan I	1.7	U
Endosulfan II	0.14	J
Endosulfan sulfate	3.2	U
Endrin	3.2	U
Endrin aldehyde	3.2	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.2	U
Methoxychlor	17	U
Toxaphene	170	U
7L-1 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	4.2	U
Antimony	2.4	U
Arsenic	23	

PARAMETER	RESULT	QUAL
Barium	0.22	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	27.4	
Iron	5.9	U
Lead	0.34	U
Manganese	0.31	
Mercury	0.07	U
Nickel	0.85	U
Selenium	1	U
Silver	0.37	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	18.8	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.77	J
4,4'-DDE	0.58	J
4,4'-DDT	0.21	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	0.72	J
Chlordane	17	U
Chlorobenzilate	15	J
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	0.2	J
Endosulfan sulfate	0.8	J
Endrin	0.21	J
Endrin aldehyde	2.2	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
7L-10 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	1.6	U
Antimony	1.9	U
Arsenic	[illegible]	

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PARAMETER	RESULT	QUAL
Barium	0.9	U
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	21.9	
Iron	14.7	U
Lead	0.32	U
Manganese	0.78	U
Mercury	0.14	
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	16.6	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.2	U
4,4'-DDE	3.2	U
4,4'-DDT	3.2	U
Aldrin	0.052	J
alpha-BHC	1.7	U
Aroclor-1016	32	U
Aroclor-1221	66	U
Aroclor-1232	32	U
Aroclor-1242	32	U
Aroclor-1248	32	U
Aroclor-1254	32	U
Aroclor-1260	32	U
beta-BHC	0.15	J
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	0.32	J
Endosulfan I	1.7	U
Endosulfan II	3.2	U
Endosulfan sulfate	3.2	U
Endrin	3.2	U
Endrin aldehyde	3.2	U
gamma-BHC (lindane)	0.13	J
Heptachlor	0.34	J
Heptachlor epoxide	1.7	U
Isodrin	3.2	U
Methoxychlor	17	U
Toxaphene	170	U
7L-12 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	9.9	
Antimony	1.9	U
Arsenic	18.8	

PARAMETER	RESULT	QUAL
Barium	0.88	U
Beryllium	0.05	U
Cadmium	0.81	
Chromium	0.72	U
Cobalt	0.24	U
Copper	32.9	
Iron	5.6	U
Lead	0.32	U
Manganese	0.79	U
Mercury	0.08	
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	27.2	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.13	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.6	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	0.11	J
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	0.069	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
7L-2 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	4	U
Antimony	2.4	U
Arsenic	16.7	

PARAMETER	RESULT	QUAL
Barium	0.45	U
Beryllium	0.04	U
Cadmium	0.58	
Chromium	0.82	U
Cobalt	0.37	U
Copper	27.9	
Iron	10.8	U
Lead	0.34	U
Manganese	0.53	
Mercury	0.08	U
Nickel	0.85	U
Selenium	1	U
Silver	0.3	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	20.7	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	1.2	J
4,4'-DDE	0.67	J
4,4'-DDT	2	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	0.42	J
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	0.34	J
Endosulfan I	1.7	U
Endosulfan II	0.25	J
Endosulfan sulfate	3.9	J
Endrin	3.3	U
Endrin aldehyde	1.9	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.37	J
Heptachlor epoxide	0.44	J
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
7L-22 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	2.6	
Antimony	1.9	U
Arsenic	17.9	

PARAMETER	RESULT	QUAL
Barium	0.92	U
Beryllium	0.06	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	38.6	
Iron	4.3	U
Lead	0.32	U
Manganese	0.7	U
Mercury	0.05	U
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	28.9	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	0.12	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.062	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
7L-23 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	1.6	U
Antimony	1.9	U
Arsenic	12.2	

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PARAMETER	RESULT	QUAL
Barium	0.78	U
Beryllium	0.07	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.25	U
Copper	24.4	
Iron	3.6	U
Lead	0.32	U
Manganese	0.71	U
Mercury	0.11	
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	20.6	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	68	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.053	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I7L-3 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	3.1	U
Antimony	2.4	U
Arsenic	14	

PARAMETER	RESULT	QUAL
Barium	0.46	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	18.9	
Iron	6	U
Lead	0.34	U
Manganese	0.18	
Mercury	0.03	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	17.3	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I7L-6 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	15.4	

PARAMETER	RESULT	QUAL
Barium	1.2	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	19.2	
Iron	2.5	U
Lead	0.34	U
Manganese	0.6	U
Mercury	0.06	
Nickel	0.85	U
Selenium	1	U
Silver	0.26	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	22.9	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	0.46	J
Endosulfan I	1.7	U
Endosulfan II	0.17	J
Endosulfan sulfate	3.3	U
Endrin	0.098	J
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I7L-7 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	2.1	U
Antimony	2.4	U
Arsenic	16	

PARAMETER	RESULT	QUAL
Barium	1	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	19.7	
Iron	5.6	U
Lead	0.34	U
Manganese	0.9	U
Mercury	0.03	
Nickel	0.85	U
Selenium	1	U
Silver	0.42	
Thallium	0.81	U
Vanadium	0.45	U
Zinc	16.1	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	0.13	J
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	0.76	J
Endosulfan I	0.23	J
Endosulfan II	0.16	J
Endosulfan sulfate	3.3	J
Endrin	0.5	J
Endrin aldehyde	0.49	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.076	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I7L-9 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	1.6	U
Antimony	1.9	U
Arsenic	16.2	

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PARAMETER	RESULT	QUAL
Barium	1.3	
Beryllium	0.05	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	29.8	
Iron	5.2	U
Lead	0.32	U
Manganese	0.94	U
Mercury	0.05	U
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	24.4	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.18	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.098	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	0.16	J
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	0.1	J
gamma-BHC (lindane)	0.12	J
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
7V-13 Vegetation	**TURTLE GRASS**	
INORGANICS (mg/kg)		
Aluminum	2	
Antimony	1.9	U
Arsenic	0.94	U

PARAMETER	RESULT	QUAL
Barium	0.57	U
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	0.95	U
Iron	47.1	U
Lead	0.32	
Manganese	9.8	
Mercury	0.02	U
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	7.3	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.73	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	6	
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
7V-14 Vegetation	**TURTLE GRASS**	
INORGANICS (mg/kg)		
Aluminum	3.7	
Antimony	1.9	U
Arsenic	0.94	U

PARAMETER	RESULT	QUAL
Barium	3.1	
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	1.2	U
Iron	53.2	
Lead	0.32	U
Manganese	11.9	
Mercury	0.02	U
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	12.7	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.4	U
4,4'-DDE	3.4	U
4,4'-DDT	3.4	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	34	U
Aroclor-1221	68	U
Aroclor-1232	34	U
Aroclor-1242	34	U
Aroclor-1248	34	U
Aroclor-1254	34	U
Aroclor-1260	34	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.22	J
Dieldrin	3.4	U
Endosulfan I	1.7	U
Endosulfan II	3.4	U
Endosulfan sulfate	3.4	U
Endrin	3.4	U
Endrin aldehyde	3.4	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.4	U
Methoxychlor	17	U
Toxaphene	170	U
7V-17 Vegetation	**TURTLE GRASS**	
INORGANICS (mg/kg)		
Aluminum	1.6	U
Antimony	1.9	U
Arsenic	0.94	U

PARAMETER	RESULT	QUAL
Barium	0.2	U
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	0.3	U
Iron	26.1	U
Lead	0.32	U
Manganese	6	
Mercury	0.02	U
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	3.1	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.1	J
Dieldrin	0.54	J
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
7V-18 Vegetation	**TURTLE GRASS**	
INORGANICS (mg/kg)		
Aluminum	8	U
Antimony	1.9	U
Arsenic	0.94	U

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PARAMETER	RESULT	QUAL
Barium	0.84	U
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	0.66	U
Iron	21.1	U
Lead	0.32	U
Manganese	4.7	
Mercury	0.01	U
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	4.4	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.51	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	68	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.3	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	0.078	J
Heptachlor	0.11	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I7V-19 Vegetation	**TURTLE GRASS**	
INORGANICS (mg/kg)		
Aluminum	2	U
Antimony	1.9	U
Arsenic	0.94	U

PARAMETER	RESULT	QUAL
Barium	0.2	U
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	0.3	U
Iron	19.5	U
Lead	0.32	U
Manganese	7.1	
Mercury	0.01	
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	7.6	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	0.26	J
gamma-BHC (lindane)	0.1	J
Heptachlor	0.094	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I7V-20 Vegetation	**TURTLE GRASS**	
INORGANICS (mg/kg)		
Aluminum	7.6	U
Antimony	1.9	U
Arsenic	0.94	U

PARAMETER	RESULT	QUAL
Barium	0.73	U
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	0.47	U
Iron	37.5	U
Lead	0.48	
Manganese	9.4	
Mercury	0.01	
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.55	U
Zinc	6.8	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.82	J
4,4'-DDE	0.3	J
4,4'-DDT	3.3	U
Aldrin	0.37	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	68	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	0.27	J
gamma-BHC (lindane)	0.23	J
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I7V-21 Vegetation	**TURTLE GRASS**	
INORGANICS (mg/kg)		
Aluminum	4.8	U
Antimony	1.9	U
Arsenic	0.94	U

PARAMETER	RESULT	QUAL
Barium	0.6	U
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	1.6	
Cobalt	0.24	U
Copper	0.81	U
Iron	47.5	U
Lead	0.72	
Manganese	6.3	
Mercury	0.01	
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.75	U
Zinc	6.3	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.66	J
4,4'-DDE	0.32	J
4,4'-DDT	0.2	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.97	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	0.86	J
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	0.3	J
Heptachlor	0.33	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I7V-4 Vegetation	**TURTLE GRASS**	
INORGANICS (mg/kg)		
Aluminum	12.7	
Antimony	1.1	U
Arsenic	2	U

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PARAMETER	RESULT	QUAL
Barium	0.75	U
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.16	U
Cobalt	0.11	U
Copper	1.1	U
Iron	29.6	
Lead	0.32	U
Manganese	11	
Mercury	0.02	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	1.8	U
Zinc	8.1	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	5.5	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	6.8	J
Toxaphene	170	U
I7V-5 Vegetation	**TURTLE GRASS**	
INORGANICS (mg/kg)		
Aluminum	19.5	
Antimony	1.1	U
Arsenic	1.3	U

PARAMETER	RESULT	QUAL
Barium	1.1	U
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.16	U
Cobalt	0.11	U
Copper	1	U
Iron	50.3	
Lead	0.58	U
Manganese	6	
Mercury	0.01	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.71	U
Zinc	5.1	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
IR 8		
I8CH-10 Conch	**MILK CONCH**	
INORGANICS (mg/kg)		
Aluminum	6.2	U
Antimony	2.4	U

PARAMETER	RESULT	QUAL
Arsenic	4.9	
Barium	0.57	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	61.3	
Iron	62.8	
Lead	1.2	
Manganese	24.9	
Mercury	0.1	
Nickel	3	U
Selenium	1	U
Silver	1.3	
Thallium	0.81	U
Vanadium	16.7	
Zinc	19.4	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.2	J
4,4'-DDE	0.56	J
4,4'-DDT	0.57	J
Aldrin	1.7	U
alpha-BHC	0.72	J
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	54	J
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	1.6	J
Endosulfan sulfate	0.6	J
Endrin	1.7	J
Endrin aldehyde	9.6	
gamma-BHC (lindane)	0.56	J
Heptachlor	1.7	U
Heptachlor epoxide	2.5	J
Isodrin	1.2	J
Methoxychlor	17	U
Toxaphene	170	U
I8CH-11 Conch	**MILK CONCH**	
INORGANICS (mg/kg)		
Aluminum	9.7	U
Antimony	2.4	U

PARAMETER	RESULT	QUAL
Arsenic	4.5	
Barium	0.95	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	72.1	
Iron	109	
Lead	1.5	
Manganese	25.2	
Mercury	0.24	
Nickel	3	U
Selenium	1	U
Silver	0.94	U
Thallium	0.81	U
Vanadium	14.7	
Zinc	21.8	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	J
4,4'-DDE	0.72	J
4,4'-DDT	3.3	U
Aldrin	1.2	J
alpha-BHC	0.67	J
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.4	J
Chlordane	17	U
Chlorobenzilate	120	J
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	2.2	J
Endosulfan sulfate	6.4	J
Endrin	4	J
Endrin aldehyde	27	
gamma-BHC (lindane)	1.2	J
Heptachlor	2.4	
Heptachlor epoxide	2.6	J
Isodrin	3.3	U
Methoxychlor	43	
Toxaphene	170	U
I8CH-12 Conch	**MILK CONCH**	
INORGANICS (mg/kg)		
Aluminum	4.5	U
Antimony	2.4	U

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PARAMETER	RESULT	QUAL
Arsenic	5.2	
Barium	0.3	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	18.1	
Iron	31.5	
Lead	0.59	
Manganese	44.6	
Mercury	0.07	U
Nickel	3.2	U
Selenium	1	U
Silver	0.26	U
Thallium	0.81	U
Vanadium	4.2	
Zinc	18.3	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.2	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	47	J
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3	J
Endosulfan sulfate	0.88	J
Endrin	6.1	J
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1	J
Heptachlor	1.7	U
Heptachlor epoxide	0.69	J
Isodrin	0.49	J
Methoxychlor	17	U
Toxaphene	170	U
I8CH-13 Conch	**MILK CONCH**	
INORGANICS (mg/kg)		
Aluminum	3.3	U
Antimony	2.4	U

PARAMETER	RESULT	QUAL
Arsenic	4.1	
Barium	0.38	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	9.2	
Iron	27.4	
Lead	0.37	
Manganese	14	
Mercury	0.2	
Nickel	1.2	U
Selenium	1	U
Silver	0.43	U
Thallium	0.81	U
Vanadium	4.3	
Zinc	41.9	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	2.4	J
4,4'-DDE	1.4	J
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	44	
delta-BHC	1.7	U
Dieldrin	1	J
Endosulfan I	1.7	U
Endosulfan II	1.8	J
Endosulfan sulfate	3.3	U
Endrin	2.4	J
Endrin aldehyde	6.1	J
gamma-BHC (lindane)	0.86	J
Heptachlor	1.7	U
Heptachlor epoxide	1.5	J
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I8CH-14 Conch	**MILK CONCH**	
INORGANICS (mg/kg)		
Aluminum	6.1	U
Antimony	2.4	U

PARAMETER	RESULT	QUAL
Arsenic	4.6	
Barium	0.55	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	36.1	
Iron	49.7	
Lead	1.5	
Manganese	31.1	
Mercury	0.08	U
Nickel	2.7	U
Selenium	1	U
Silver	0.31	U
Thallium	0.81	U
Vanadium	9.8	
Zinc	50.5	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	1.9	J
4,4'-DDE	16	U
4,4'-DDT	16	U
Aldrin	8.5	U
alpha-BHC	8.5	U
Aroclor-1016	160	U
Aroclor-1221	340	U
Aroclor-1232	160	U
Aroclor-1242	160	U
Aroclor-1248	160	U
Aroclor-1254	160	U
Aroclor-1260	160	U
beta-BHC	8.5	U
Chlordane	85	U
Chlorobenzilate	820	J
delta-BHC	8.5	U
Dieldrin	16	U
Endosulfan I	8.5	U
Endosulfan II	7	J
Endosulfan sulfate	16	U
Endrin	9	J
Endrin aldehyde	37	J
gamma-BHC (lindane)	8.5	U
Heptachlor	4.5	J
Heptachlor epoxide	2.8	J
Isodrin	2.1	J
Methoxychlor	71	J
Toxaphene	850	U
I8CH-15 Conch	**MILK CONCH**	
INORGANICS (mg/kg)		
Aluminum	9.4	U
Antimony	2.4	U

PARAMETER	RESULT	QUAL
Arsenic	5.6	
Barium	0.65	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	44.6	
Iron	124	
Lead	1.6	
Manganese	30.3	
Mercury	0.14	
Nickel	2.2	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	8.4	
Zinc	150	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	2.6	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	0.58	J
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	
Chlordane	17	U
Chlorobenzilate	24	J
delta-BHC	1.7	U
Dieldrin	4.9	
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	4.6	
Endrin aldehyde	5.1	
gamma-BHC (lindane)	0.62	J
Heptachlor	1.7	U
Heptachlor epoxide	1.4	J
Isodrin	1.4	J
Methoxychlor	17	U
Toxaphene	170	U
I8CH-21 Conch	**MILK CONCH**	
INORGANICS (mg/kg)		
Aluminum	9	U
Antimony	2.4	U

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PARAMETER	RESULT	QUAL
Arsenic	9.3	
Barium	1.3	U
Beryllium	0.04	U
Cadmium	0.53	
Chromium	0.82	U
Cobalt	0.41	U
Copper	117	
Iron	280	
Lead	6.3	
Manganese	129	
Mercury	0.14	
Nickel	8.1	
Selenium	1.2	
Silver	2.7	
Thallium	0.81	U
Vanadium	61.4	
Zinc	668	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	6.6	U
4,4'-DDE	0.99	J
4,4'-DDT	2.8	J
Aldrin	0.91	J
alpha-BHC	3.4	U
Aroclor-1016	66	U
Aroclor-1221	130	U
Aroclor-1232	66	U
Aroclor-1242	66	U
Aroclor-1248	66	U
Aroclor-1254	66	U
Aroclor-1260	66	U
beta-BHC	4.7	
Chlordane	34	U
Chlorobenzilate	180	J
delta-BHC	0.82	J
Dieldrin	3.6	J
Endosulfan I	3.4	U
Endosulfan II	6.6	U
Endosulfan sulfate	7.8	J
Endrin	5.2	J
Endrin aldehyde	3.7	J
gamma-BHC (lindane)	1	J
Heptachlor	3.4	U
Heptachlor epoxide	3.5	J
Isodrin	6.6	U
Methoxychlor	49	
Toxaphene	340	U
18CH-23 Conch		**MILK CONCH**
INORGANICS (mg/kg)		
Aluminum	17.6	U
Antimony	2.4	U

PARAMETER	RESULT	QUAL
Arsenic	9	
Barium	1.7	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	1.2	
Cobalt	0.49	U
Copper	305	
Iron	2560	
Lead	4.6	
Manganese	85.5	
Mercury	0.09	U
Nickel	6.9	
Selenium	1	U
Silver	1.2	U
Thallium	0.81	U
Vanadium	29.2	
Zinc	42.9	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	2.5	J
4,4'-DDE	3.6	
4,4'-DDT	0.48	J
Aldrin	0.93	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	J
Chlordane	17	U
Chlorobenzilate	96	
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	2	J
Endosulfan sulfate	1.4	J
Endrin	1.5	J
Endrin aldehyde	1.3	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.9	J
Isodrin	1.1	J
Methoxychlor	3	J
Toxaphene	170	U
18CH-24 Conch		**MILK CONCH**
INORGANICS (mg/kg)		
Aluminum	8.4	U
Antimony	2.4	U

PARAMETER	RESULT	QUAL
Arsenic	5.1	
Barium	0.48	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	30.5	
Iron	124	
Lead	1.2	
Manganese	41.7	
Mercury	0.22	
Nickel	2.8	U
Selenium	1	U
Silver	0.26	U
Thallium	0.81	U
Vanadium	9	
Zinc	149	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	12	J
4,4'-DDE	3.3	U
4,4'-DDT	2.1	J
Aldrin	0.58	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	2.5	
Chlordane	17	U
Chlorobenzilate	330	J
delta-BHC	1.7	U
Dieldrin	2.4	J
Endosulfan I	1.7	U
Endosulfan II	5.4	J
Endosulfan sulfate	2.2	J
Endrin	7.3	J
Endrin aldehyde	13	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	3.2	J
Isodrin	1.6	J
Methoxychlor	17	U
Toxaphene	170	U
18CH-25 Conch		**MILK CONCH**
INORGANICS (mg/kg)		
Aluminum	47.1	
Antimony	2.4	U

PARAMETER	RESULT	QUAL
Arsenic	6.8	
Barium	1.3	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	1.6	
Cobalt	0.37	U
Copper	36.4	
Iron	1110	
Lead	6	
Manganese	49.8	
Mercury	0.22	
Nickel	4.4	U
Selenium	1	U
Silver	0.57	U
Thallium	0.81	U
Vanadium	14.2	
Zinc	116	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	2.5	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	81	J
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	2.2	J
Endosulfan sulfate	1.3	J
Endrin	2.3	J
Endrin aldehyde	26	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	3.3	J
Isodrin	3.3	U
Methoxychlor	13	J
Toxaphene	170	U
18CH-26 Conch		**MILK CONCH**
INORGANICS (mg/kg)		
Aluminum	29.7	
Antimony	2.4	U

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PARAMETER	RESULT	QUAL
Arsenic	5.2	
Barium	3.8	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	41.5	
Iron	296	
Lead	2	
Manganese	31.6	
Mercury	0.11	
Nickel	2.8	U
Selenium	1	U
Silver	0.28	U
Thallium	0.81	U
Vanadium	11.6	
Zinc	32.5	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	2.2	J
4,4'-DDE	1.5	J
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	55	J
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	1.6	J
Endosulfan sulfate	1.2	J
Endrin	2.4	J
Endrin aldehyde	5	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.8	J
Isodrin	1.5	J
Methoxychlor	11	J
Toxaphene	170	U
8CH-27 Conch		**MILK CONCH**
INORGANICS (mg/kg)		
Aluminum	14.2	U
Antimony	2.4	U

PARAMETER	RESULT	QUAL
Arsenic	5.5	
Barium	0.57	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	62.9	
Iron	453	
Lead	2.9	
Manganese	76.9	
Mercury	0.07	U
Nickel	4.6	
Selenium	1	U
Silver	0.27	U
Thallium	0.81	U
Vanadium	16.4	
Zinc	209	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	2.9	J
4,4'-DDE	2.7	J
4,4'-DDT	1.3	J
Chlorobenzilate	450	J
Endosulfan II	1.6	J
Endosulfan sulfate	1.4	J
Endrin	3.9	J
Endrin aldehyde	33	J
gamma-BHC (lindane)	2.1	J
Isodrin	2.4	J
Methoxychlor	23	J
8CH-28 Conch		**MILK CONCH**
INORGANICS (mg/kg)		
Aluminum	12.2	U
Antimony	2.4	U
Arsenic	7.7	
Barium	1.1	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	48.7	
Iron	438	
Lead	3.5	
Manganese	72	
Mercury	0.15	
Nickel	6	
Selenium	1	U
Silver	0.32	U
Thallium	0.81	U
Vanadium	25.6	
Zinc	100	

PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	2.7	J
4,4'-DDE	0.86	J
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	89	J
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	1.9	J
Endosulfan sulfate	3.3	U
Endrin	2.8	J
Endrin aldehyde	3.5	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	1.1	J
Methoxychlor	4.6	J
Toxaphene	170	U
8CH-7 Conch		**MILK CONCH**
INORGANICS (mg/kg)		
Aluminum	33.5	
Antimony	2.4	U
Arsenic	4.5	
Barium	0.8	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	47.7	
Iron	1420	
Lead	17	
Manganese	19.3	
Mercury	0.21	
Nickel	1.5	U
Selenium	1	U
Silver	0.52	U
Thallium	0.81	U
Vanadium	3	
Zinc	34.7	

PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.92	J
4,4'-DDE	3.2	J
4,4'-DDT	0.18	J
Aldrin	1.3	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	3.8	J
Chlordane	17	U
Chlorobenzilate	31	J
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	1.2	J
Endosulfan sulfate	5.2	J
Endrin	0.9	J
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	0.38	J
Heptachlor	0.55	J
Heptachlor epoxide	3.3	J
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
8CH-8 Conch		**MILK CONCH**
INORGANICS (mg/kg)		
Aluminum	152	
Antimony	2.4	U
Arsenic	6.1	
Barium	3.8	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	2	
Cobalt	0.52	U
Copper	57.5	
Iron	2820	
Lead	31.2	
Manganese	41	
Mercury	0.14	
Nickel	3.6	U
Selenium	1	U
Silver	0.43	U
Thallium	0.81	U
Vanadium	7.9	
Zinc	86.2	

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PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.77	J
4,4'-DDE	3.6	
4,4'-DDT	3.3	U
Aldrin	1.3	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.6	J
Chlordane	17	U
Chlorobenzilate	93	
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	0.56	J
Endosulfan II	0.64	J
Endosulfan sulfate	6.7	
Endrin	1.7	J
Endrin aldehyde	1.4	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	4	J
Isodrin	3.3	U
Methoxychlor	5.3	J
Toxaphene	170	U
I8CH-9 Conch		**MILK CONCH**
INORGANICS (mg/kg)		
Aluminum	102	
Antimony	2.4	U
Arsenic	6.4	
Barium	1.5	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.99	
Cobalt	0.38	U
Copper	120	
Iron	804	
Lead	4.9	
Manganese	57.7	
Mercury	0.16	
Nickel	5.9	
Selenium	1	U
Silver	1.8	
Thallium	0.81	U
Vanadium	20.7	
Zinc	38.3	

PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	2.7	J
4,4'-DDE	2.4	J
4,4'-DDT	6.6	U
Aldrin	0.24	J
alpha-BHC	3.4	U
Aroclor-1016	66	U
Aroclor-1221	130	U
Aroclor-1232	66	U
Aroclor-1242	66	U
Aroclor-1248	66	U
Aroclor-1254	66	U
Aroclor-1260	66	U
beta-BHC	2	J
Chlordane	34	U
Chlorobenzilate	720	J
delta-BHC	3.4	U
Dieldrin	6.6	U
Endosulfan I	3.4	U
Endosulfan II	7.5	J
Endosulfan sulfate	6.6	U
Endrin	9.5	J
Endrin aldehyde	37	J
gamma-BHC (lindane)	0.37	J
Heptachlor	0.37	J
Heptachlor epoxide	2.5	J
Isodrin	1.2	J
Methoxychlor	4.4	J
Toxaphene	340	U
I8T-19 Conch		**TRUE TULIP**
INORGANICS (mg/kg)		
Aluminum	2.7	U
Antimony	2.4	U
Arsenic	27.3	
Barium	0.09	U
Beryllium	0.04	U
Cadmium	0.84	
Chromium	0.82	U
Cobalt	0.37	U
Copper	111	
Iron	115	
Lead	4.8	
Manganese	1.4	
Mercury	0.09	
Nickel	0.85	U
Selenium	1	U
Silver	0.88	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	68.6	

PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	0.87	J
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	0.34	J
Endosulfan sulfate	3.3	U
Endrin	1.7	J
Endrin aldehyde	3	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I8T-20 Conch		**TRUE TULIP**
INORGANICS (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	119	
Barium	0.09	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	22.2	
Iron	26.9	
Lead	0.77	
Manganese	1.4	
Mercury	0.2	
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	19.3	

PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	0.62	J
4,4'-DDT	0.49	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	0.25	J
Chlordane	17	U
Chlorobenzilate	3.4	J
delta-BHC	1.7	U
Dieldrin	0.14	J
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	0.39	J
Endrin aldehyde	1.8	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I8T-5 Conch		**TRUE TULIP**
INORGANICS (mg/kg)		
Aluminum	2.1	U
Antimony	2.4	U
Arsenic	25.6	
Barium	0.09	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	18.1	
Iron	22.1	U
Lead	0.42	
Manganese	1.4	
Mercury	0.06	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	15.3	

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PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	0.45	J
Endrin aldehyde	0.69	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I8T-6 Conch		**TRUE TULIP**
INORGANICS (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	41.6	
Barium	0.09	U
Beryllium	0.04	U
Cadmium	1.3	
Chromium	0.82	U
Cobalt	0.37	U
Copper	97.2	
Iron	55.7	
Lead	0.34	U
Manganese	1.1	
Mercury	0.12	
Nickel	0.85	U
Selenium	1	U
Silver	0.31	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	31.6	

PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	2.3	
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	0.58	J
Endosulfan sulfate	3.3	U
Endrin	1.6	J
Endrin aldehyde	1.7	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I8C-2 Crab		**SPINY SPIDER CRAB**
INORGANICS (mg/kg)		
Aluminum	5.3	U
Antimony	2.4	U
Arsenic	4.1	
Barium	1.9	U
Beryllium	0.04	U
Cadmium	0.54	
Chromium	5.1	
Cobalt	0.37	U
Copper	7.1	U
Iron	66.1	
Lead	0.53	
Manganese	1.6	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.93	
Zinc	10.5	

PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	J
Aldrin	2.2	
alpha-BHC	1.6	J
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	55	J
delta-BHC	0.47	J
Dieldrin	1.2	J
Endosulfan I	1.7	U
Endosulfan II	13	J
Endosulfan sulfate	3.3	U
Endrin	0.77	J
Endrin aldehyde	6.4	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	12	
Isodrin	0.6	J
Methoxychlor	14	J
Toxaphene	170	U
I8C-22 Crab		**SPINY SPIDER CRAB**
INORGANICS (mg/kg)		
Aluminum	13.6	U
Antimony	2.4	U
Arsenic	7.6	
Barium	0.87	U
Beryllium	0.04	U
Cadmium	0.67	
Chromium	0.82	U
Cobalt	0.37	U
Copper	12.3	
Iron	290	
Lead	1.2	
Manganese	2.1	
Mercury	0.04	U
Nickel	1.5	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	1.1	
Zinc	15.6	

PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	1.3	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	0.72	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	78	J
delta-BHC	1.7	U
Dieldrin	0.66	J
Endosulfan I	1.7	U
Endosulfan II	7.7	J
Endosulfan sulfate	1	J
Endrin	0.96	J
Endrin aldehyde	5.6	J
gamma-BHC (lindane)	0.84	J
Heptachlor	1.7	U
Heptachlor epoxide	4.3	J
Isodrin	3.3	U
Methoxychlor	0.86	J
Toxaphene	170	U
I8C-3 Crab		**SPINY SPIDER CRAB**
INORGANICS (mg/kg)		
Aluminum	5.6	U
Antimony	2.4	U
Arsenic	4.5	
Barium	1.7	
Beryllium	0.04	U
Cadmium	1.6	
Chromium	0.82	U
Cobalt	0.37	U
Copper	8.6	
Iron	32.6	
Lead	0.34	U
Manganese	3.5	
Mercury	0.03	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	12.5	

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PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	0.52	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	54	J
delta-BHC	1.1	J
Dieldrin	0.5	J
Endosulfan I	1.7	U
Endosulfan II	4.7	J
Endosulfan sulfate	1.4	J
Endrin	3.3	U
Endrin aldehyde	1.1	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	3.7	J
Isodrin	0.32	J
Methoxychlor	17	U
Toxaphene	170	U
I8C-4 Crab	**SPINY SPIDER CRAB**	
INORGANICS (mg/kg)		
Aluminum	15.2	U
Antimony	2.4	U
Arsenic	8.8	
Barium	1.7	
Beryllium	0.04	U
Cadmium	0.8	
Chromium	0.82	U
Cobalt	0.37	U
Copper	18.3	
Iron	80	
Lead	0.67	
Manganese	3.4	
Mercury	0.08	U
Nickel	0.85	U
Selenium	1	U
Silver	0.24	U
Thallium	0.81	U
Vanadium	1.1	
Zinc	21.5	

PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	1.7	J
4,4'-DDT	1.4	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	1	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	0.49	J
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I8C-1 Crab	**STONE CRAB**	
INORGANICS (mg/kg)		
Aluminum	8	U
Antimony	2.4	U
Arsenic	19.3	
Barium	1	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	69.8	
Iron	122	
Lead	1.7	
Manganese	2.8	
Mercury	0.11	
Nickel	0.85	U
Selenium	1	U
Silver	0.81	U
Thallium	0.81	U
Vanadium	0.68	
Zinc	93.8	

PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	1.1	J
4,4'-DDT	3.2	J
Aldrin	0.41	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	86	
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	0.85	J
Endosulfan II	0.65	J
Endosulfan sulfate	3.3	U
Endrin	0.41	J
Endrin aldehyde	2.5	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	4.2	J
Toxaphene	170	U
I8L-16 Lobster	**Lobster**	
INORGANICS (mg/kg)		
Aluminum	2.2	U
Antimony	2.4	U
Arsenic	16.8	
Barium	0.57	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	34.4	
Iron	9.7	U
Lead	0.34	U
Manganese	0.78	
Mercury	0.08	U
Nickel	0.85	U
Selenium	1	U
Silver	0.26	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	21.8	

PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.61	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	23	J
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	0.84	J
Endosulfan sulfate	3.3	U
Endrin	0.23	J
Endrin aldehyde	2.9	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.26	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I8L-17 Lobster	**Lobster**	
INORGANICS (mg/kg)		
Aluminum	7.4	U
Antimony	2.4	U
Arsenic	13.6	
Barium	0.78	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	25	
Iron	8.9	
Lead	0.42	
Manganese	0.33	
Mercury	0.04	U
Nickel	0.85	U
Selenium	1	U
Silver	0.27	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	20.5	

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PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	0.21	J
Endrin aldehyde	0.59	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.13	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I8L-18 Lobster		**Lobster**
INORGANICS (mg/kg)		
Aluminum	9.3	U
Antimony	2.4	U
Arsenic	16.9	
Barium	1.3	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	56.4	
Iron	19.8	U
Lead	0.34	U
Manganese	1.8	
Mercury	0.05	U
Nickel	0.85	U
Selenium	1	U
Silver	0.61	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	24.4	

PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	15	J
delta-BHC	1.7	U
Dieldrin	0.57	J
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	0.37	J
Endrin aldehyde	1.3	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I8L-29 Lobster	.	**Lobster**
INORGANICS (mg/kg)		
Aluminum	1.6	U
Antimony	1.9	U
Arsenic	10.9	
Barium	0.86	U
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	39.8	
Iron	13.6	U
Lead	0.32	U
Manganese	1.2	U
Mercury	0.03	U
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.57	
Zinc	18.9	

PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.18	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	66	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.038	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	0.15	J
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I8V-30 Vegetation		**TURTLE GRASS**
INORGANICS (mg/kg)		
Aluminum	19.7	U
Antimony	1.9	U
Arsenic	0.94	U
Barium	1	U
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	0.72	U
Iron	97.2	
Lead	1.6	
Manganese	8.2	
Mercury	0.01	
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.78	U
Zinc	10.8	

PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	0.37	J
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.92	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	0.048	J
Heptachlor	0.29	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I8V-31 Vegetation		**TURTLE GRASS**
INORGANICS (mg/kg)		
Aluminum	31.9	
Antimony	1.9	U
Arsenic	0.94	U
Barium	1.3	U
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	1.1	U
Iron	176	
Lead	2.5	
Manganese	11.3	
Mercury	0.01	
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	1	U
Zinc	15	

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PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.65	J
4,4'-DDE	0.45	J
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.1	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	0.44	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.15	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I8V-32 Vegetation	**TURTLE GRASS**	
INORGANICS (mg/kg)		
Aluminum	12	U
Antimony	1.9	U
Arsenic	1.8	
Barium	1.2	U
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	0.63	U
Iron	55	U
Lead	1.2	
Manganese	10.1	
Mercury	0.01	
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	1.4	U
Zinc	9	

PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.94	J
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	24	
delta-BHC	0.86	J
Dieldrin	0.75	J
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	0.1	J
Heptachlor	0.36	J
Heptachlor epoxide	0.67	J
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
I8V-33 Vegetation	**TURTLE GRASS**	
INORGANICS (mg/kg)		
Aluminum	10.5	U
Antimony	1.9	U
Arsenic	2.1	
Barium	0.82	U
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	0.41	U
Iron	47	U
Lead	1.1	
Manganese	9.5	
Mercury	0.02	
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.49	U
Zinc	8.7	

PARAMETER	RESULT	QUAL
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	7.7	J
delta-BHC	0.88	J
Dieldrin	0.42	J
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	0.14	J
Heptachlor	0.22	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
SWMU 4		
S4F-15 Fish	**FUNDULUS SPP**	
INORGANICS (mg/kg)		
Aluminum	4.2	U
Antimony	2.4	U
Arsenic	0.74	U
Barium	0.61	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	2.8	U
Iron	23.1	U
Lead	0.69	U
Manganese	5.2	
Mercury	0.07	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U

PARAMETER	RESULT	QUAL
Zinc	87.5	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	1.2	J
4,4'-DDE	3.7	J
4,4'-DDT	3.3	
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1	J
Chlordane	17	U
Chlorobenzilate	47	
delta-BHC	1.3	J
Dieldrin	0.93	J
Endosulfan I	1.7	U
Endosulfan II	0.24	J
Endosulfan sulfate	5.9	J
Endrin	3.3	U
Endrin aldehyde	9.6	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	0.69	J
Methoxychlor	17	U
Toxaphene	170	U
S4F-20 Fish	**FUNDULUS SPP**	
INORGANICS (mg/kg)		
Aluminum	2.2	U
Antimony	2.4	U
Arsenic	0.59	U
Barium	0.4	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	1.9	U
Iron	20.4	U
Lead	0.5	U
Manganese	3.6	
Mercury	0.08	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U

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PARAMETER	RESULT	QUAL
Zinc	68	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	5	U
4,4'-DDE	4.6	J
4,4'-DDT	2.8	J
Aldrin	1.3	J
alpha-BHC	2.6	U
Aroclor-1016	50	U
Aroclor-1221	100	U
Aroclor-1232	50	U
Aroclor-1242	50	U
Aroclor-1248	50	U
Aroclor-1254	50	U
Aroclor-1260	50	U
beta-BHC	1.9	J
Chlordane	26	U
Chlorobenzilate	54	
delta-BHC	1.6	J
Dieldrin	0.58	J
Endosulfan I	2.6	U
Endosulfan II	0.7	J
Endosulfan sulfate	3.7	J
Endrin	5	U
Endrin aldehyde	9.7	
gamma-BHC (lindane)	2.6	U
Heptachlor	1.8	J
Heptachlor epoxide	2.6	U
Isodrin	0.97	J
Methoxychlor	3.6	J
Toxaphene	260	U
S4F-21 Fish	**FUNDULUS SPP**	
INORGANICS (mg/kg)		
Aluminum	3.2	U
Antimony	2.4	U
Arsenic	0.45	U
Barium	0.38	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.9	
Cobalt	0.37	U
Copper	2.8	U
Iron	21.6	U
Lead	0.72	U
Manganese	3.8	
Mercury	0.06	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U

PARAMETER	RESULT	QUAL
Zinc	80.1	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	7.1	U
4,4'-DDE	3.8	J
4,4'-DDT	2.8	J
Aldrin	3.6	U
alpha-BHC	3.6	U
Aroclor-1016	71	U
Aroclor-1221	140	U
Aroclor-1232	71	U
Aroclor-1242	71	U
Aroclor-1248	71	U
Aroclor-1254	71	U
Aroclor-1260	71	U
beta-BHC	3.6	U
Chlordane	36	U
Chlorobenzilate	29	J
delta-BHC	3.6	U
Dieldrin	7.1	U
Endosulfan I	3.6	U
Endosulfan II	0.48	J
Endosulfan sulfate	7.1	U
Endrin	7.1	U
Endrin aldehyde	3.2	J
gamma-BHC (lindane)	3.6	U
Heptachlor	3.6	U
Heptachlor epoxide	3.6	U
Isodrin	7.1	U
Methoxychlor	36	U
Toxaphene	360	U
S4F-3 Fish	**FUNDULUS SPP**	
INORGANICS (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	0.45	U
Barium	0.36	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	1.5	U
Iron	13.8	U
Lead	0.69	U
Manganese	3.3	
Mercury	0.04	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U

PARAMETER	RESULT	QUAL
Zinc	60.7	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	5	U
4,4'-DDE	3.5	J
4,4'-DDT	1.9	J
Aldrin	2.6	U
alpha-BHC	2.6	U
Aroclor-1016	50	U
Aroclor-1221	100	U
Aroclor-1232	50	U
Aroclor-1242	50	U
Aroclor-1248	50	U
Aroclor-1254	50	U
Aroclor-1260	50	U
beta-BHC	1.8	J
Chlordane	26	U
Chlorobenzilate	29	
delta-BHC	0.72	J
Dieldrin	0.32	J
Endosulfan I	2.6	U
Endosulfan II	5	U
Endosulfan sulfate	3.1	J
Endrin	5	U
Endrin aldehyde	11	
gamma-BHC (lindane)	2.6	U
Heptachlor	2.6	U
Heptachlor epoxide	2.6	U
Isodrin	5	U
Methoxychlor	4.3	J
Toxaphene	260	U
S4F-4 Fish	**FUNDULUS SPP**	
INORGANICS (mg/kg)		
Aluminum	2.5	U
Antimony	2.4	U
Arsenic	0.45	U
Barium	0.58	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	1.9	U
Iron	21	U
Lead	0.74	U
Manganese	5.5	
Mercury	0.06	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U

PARAMETER	RESULT	QUAL
Zinc	109	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	4.5	U
4,4'-DDE	5	
4,4'-DDT	3.4	J
Aldrin	2.3	U
alpha-BHC	2.3	U
Aroclor-1016	45	U
Aroclor-1221	91	U
Aroclor-1232	45	U
Aroclor-1242	45	U
Aroclor-1248	45	U
Aroclor-1254	45	U
Aroclor-1260	45	U
beta-BHC	1.1	J
Chlordane	23	U
Chlorobenzilate	39	
delta-BHC	0.17	J
Dieldrin	0.28	J
Endosulfan I	2.3	U
Endosulfan II	0.8	J
Endosulfan sulfate	3.3	J
Endrin	1.1	J
Endrin aldehyde	15	
gamma-BHC (lindane)	2.3	U
Heptachlor	2.3	U
Heptachlor epoxide	2.3	U
Isodrin	4.5	U
Methoxychlor	23	U
Toxaphene	230	U
S4F-9 Fish	**FUNDULUS SPP**	
INORGANICS (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	0.46	U
Barium	0.48	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	1.1	
Cobalt	0.37	U
Copper	2	U
Iron	21.3	U
Lead	0.57	U
Manganese	5	
Mercury	0.1	
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U

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PARAMETER	RESULT	QUAL
Zinc	80.6	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	1600	U
1,2,4-trichlorobenzene	1600	U
1,2-dichlorobenzene	1600	U
1,3,5-trinitrobenzene	1600	U
1,3-dichlorobenzene	1600	U
1,3-dinitrobenzene	1600	U
1,4-dichlorobenzene	1600	U
1,4-dioxane	1600	U
1,4-naphthoquinone	1600	U
1-naphthylamine	1600	U
2,3,4,6-tetrachlorophenol	8500	U
2,4,5-trichlorophenol	1600	U
2,4,6-trichlorophenol	1600	U
2,4-dichlorophenol	1600	U
2,4-dimethylphenol	1600	U
2,4-dinitrophenol	8500	U
2,4-dinitrotoluene	1600	U
2,6-dichlorophenol	1600	U
2,6-dinitrotoluene	1600	U
2-acetylaminofluorene	1600	U
2-chloronaphthalene	1600	U
2-chlorophenol	1600	U
2-methyl-4,6-dinitrophenol	8500	U
2-methylnaphthalene	1600	U
2-naphthylamine	1600	U
2-nitroaniline	8500	U
2-nitrophenol	1600	U
2-picoline	1600	U
3 & 4-methylphenol	1600	U
3,3'-dichlorobenzidine	3300	U
3,3'-dimethylbenzidine	8500	U
3-methylcholanthrene	1600	U
3-nitroaniline	8500	U
4-aminobiphenyl	1600	U
4-bromophenyl phenyl ether	1600	U
4-chloro-3-methylphenol	1600	U
4-chloroaniline	3300	U
4-chlorophenyl phenyl ether	1600	U
4-nitroaniline	8500	U
4-nitrophenol	8500	U
4-nitroquinoline-1-oxide	16000	U
5-nitro-o-toluidine	1600	U
7,12-dimethylbenz(a)anthracene	1600	U
a,a-dimethylphenethylamine	8500	U
Acenaphthene	1600	U
Acenaphthylene	1600	U
Acetophenone	1600	U
Aniline	1600	U

PARAMETER	RESULT	QUAL
Anthracene	1600	U
Aramite	1600	U
Benzo(a)anthracene	1600	U
Benzo(a)pyrene	1600	U
Benzo(b)fluoranthene	1600	U
Benzo(g,h,i)perylene	1600	U
Benzo(k)fluoranthene	1600	U
Benzyl alcohol	1600	U
Bis(2-chloroethoxy)methane	1600	U
Bis(2-chloroethyl)ether	1600	U
Bis(2-ethylhexyl)phthalate	1600	U
Butyl benzyl phthalate	1600	U
Chrysene	1600	U
Di-n-butyl phthalate	1600	U
Di-n-octyl phthalate	1600	U
Diallate	1600	U
Dibenzo(a,h)anthracene	1600	U
Dibenzofuran	1600	U
Diethyl phthalate	1600	U
Dimethyl phthalate	1600	U
Ethyl methanesulfonate	1600	U
Fluoranthene	1600	U
Fluorene	1600	U
Hexachlorobenzene	1600	U
Hexachlorobutadiene	1600	U
Hexachlorocyclopentadiene	1600	U
Hexachloroethane	1600	U
Hexachloropropene	1600	U
Indeno(1,2,3-cd)pyrene	1600	U
Isophorone	1600	U
Isosafrole	1600	U
Methapyrilene	16000	U
Methyl methanesulfonate	1600	U
Methylphenol	1600	U
N-nitroso-di-n-butylamine	1600	U
N-nitroso-di-n-propylamine	1600	U
N-nitrosodiethylamine	1600	U
N-nitrosodimethylamine	1600	U
N-nitrosodiphenylamine	1600	U
N-nitrosomethylethylamine	1600	U
N-nitrosomorpholine	1600	U
N-nitrosopiperidine	1600	U
N-nitrosopyrrolidine	1600	U
Naphthalene	1600	U
Nitrobenzene	1600	U
o,o,o-triethylphosphorothioate	1600	U
o-toluidine	1600	U
p-dimethylaminoazobenzene	1600	U
p-phenylenediamine	8500	U
Pentachlorobenzene	1600	U

PARAMETER	RESULT	QUAL
Pentachloronitrobenzene	1600	U
Pentachlorophenol	8500	U
Phenacetin	1600	U
Phenanthrene	1600	U
Phenol	1600	U
Pronamide	1600	U
Pyrene	430	J
Pyridine	1600	U
Safrole	1600	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
Bis(2-chloroisopropyl)ether	1600	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.8	U
4,4'-DDE	2.4	J
4,4'-DDT	3.7	J
Aldrin	2	U
alpha-BHC	2	U
Aroclor-1016	38	U
Aroclor-1221	77	U
Aroclor-1232	38	U
Aroclor-1242	38	U
Aroclor-1248	38	U
Aroclor-1254	38	U
Aroclor-1260	38	U
beta-BHC	1.4	J
Chlordane	20	U
Chlorobenzilate	28	
delta-BHC	1.7	J
Dieldrin	0.55	J
Dinoseb	1600	U
Endosulfan I	2	U
Endosulfan II	0.17	J
Endosulfan sulfate	3.3	J
Endrin	3.8	U
Endrin aldehyde	14	J
gamma-BHC (lindane)	0.26	J
Heptachlor	2	U
Heptachlor epoxide	2	U
Isodrin	3.8	U
Kepone	1600	U
Methoxychlor	20	U
Toxaphene	200	U
S4F-19 Fish	**SAILFIN MOLLY**	
INORGANICS (mg/kg)		
Aluminum	6	U
Antimony	2.4	U
Arsenic	0.56	U
Barium	1.9	
Beryllium	0.04	U
Cadmium	0.53	U

PARAMETER	RESULT	QUAL
Chromium	0.82	U
Cobalt	0.37	U
Copper	6.5	U
Iron	37	
Lead	1.2	U
Manganese	4.2	
Mercury	0.04	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	87.8	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	1.7	J
4,4'-DDE	9.9	U
4,4'-DDT	9.9	U
Aldrin	2.7	J
alpha-BHC	5.1	U
Aroclor-1016	99	U
Aroclor-1221	200	U
Aroclor-1232	99	U
Aroclor-1242	99	U
Aroclor-1248	99	U
Aroclor-1254	99	U
Aroclor-1260	99	U
beta-BHC	5.1	U
Chlordane	51	U
Chlorobenzilate	68	J
delta-BHC	1.4	J
Dieldrin	9.9	U
Endosulfan I	12	
Endosulfan II	2.7	J
Endosulfan sulfate	9.9	U
Endrin	9.9	U
Endrin aldehyde	26	J
gamma-BHC (lindane)	0.66	J
Heptachlor	5.1	U
Heptachlor epoxide	5.1	U
Isodrin	9.9	U
Methoxychlor	10	J
Toxaphene	510	U
S4F-5 Fish	**SAILFIN MOLLY**	
INORGANICS (mg/kg)		
Aluminum	4.2	U
Antimony	2.4	U
Arsenic	0.45	U
Barium	1.7	
Beryllium	0.04	U
Cadmium	0.53	U

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PARAMETER	RESULT	QUAL
Chromium	0.82	U
Cobalt	0.37	U
Copper	5.2	U
Iron	29.2	
Lead	1.1	U
Manganese	4.3	
Mercury	0.06	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	32.3	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	2.4	J
4,4'-DDE	1.8	J
4,4'-DDT	6.2	U
Aldrin	0.4	J
alpha-BHC	3.2	U
Aroclor-1016	62	U
Aroclor-1221	120	U
Aroclor-1232	62	U
Aroclor-1242	62	U
Aroclor-1248	62	U
Aroclor-1254	62	U
Aroclor-1260	62	U
beta-BHC	3.2	U
Chlordane	32	U
Chlorobenzilate	61	
delta-BHC	3.2	U
Dieldrin	0.97	J
Endosulfan I	1.7	J
Endosulfan II	0.93	J
Endosulfan sulfate	2.7	J
Endrin	6.2	U
Endrin aldehyde	11	J
gamma-BHC (lindane)	3.2	U
Heptachlor	2.3	J
Heptachlor epoxide	3.2	U
Isodrin	6.2	U
Methoxychlor	32	U
Toxaphene	320	U
S4F-1 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	8.5	U
Antimony	2.4	U
Arsenic	0.45	U
Barium	1.7	
Beryllium	0.04	U
Cadmium	0.7	U

PARAMETER	RESULT	QUAL
Chromium	0.82	U
Cobalt	0.37	U
Copper	28.1	
Iron	50.8	
Lead	2.3	
Manganese	3.3	
Mercury	0.04	U
Nickel	0.85	U
Selenium	1	U
Silver	0.4	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	45.3	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	5	U
4,4'-DDE	1.3	J
4,4'-DDT	6.8	
Aldrin	2.6	U
alpha-BHC	2.6	U
Aroclor-1016	50	U
Aroclor-1221	100	U
Aroclor-1232	50	U
Aroclor-1242	50	U
Aroclor-1248	50	U
Aroclor-1254	50	U
Aroclor-1260	50	U
beta-BHC	1.8	J
Chlordane	26	U
Chlorobenzilate	17	J
delta-BHC	1.1	J
Dieldrin	0.27	J
Endosulfan I	3.8	J
Endosulfan II	5	U
Endosulfan sulfate	2.1	J
Endrin	5	U
Endrin aldehyde	4.6	J
gamma-BHC (lindane)	2.6	U
Heptachlor	0.47	J
Heptachlor epoxide	2.6	U
Isodrin	0.6	J
Methoxychlor	11	J
Toxaphene	260	U
S4F-10 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	5.7	U
Antimony	2.4	U
Arsenic	0.45	U
Barium	1.6	U
Beryllium	0.04	U
Cadmium	0.85	U

PARAMETER	RESULT	QUAL
Chromium	0.82	U
Cobalt	0.37	U
Copper	15.9	
Iron	36.7	
Lead	2.7	
Manganese	3.3	
Mercury	0.04	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	44.1	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	1400	U
1,2,4-trichlorobenzene	1400	U
1,2-dichlorobenzene	1400	U
1,3,5-trinitrobenzene	1400	U
1,3-dichlorobenzene	1400	U
1,3-dinitrobenzene	1400	U
1,4-dichlorobenzene	1400	U
1,4-dioxane	1400	U
1,4-naphthoquinone	1400	U
1-naphthylamine	1400	U
2,3,4,6-tetrachlorophenol	7300	U
2,4,5-trichlorophenol	1400	U
2,4,6-trichlorophenol	1400	U
2,4-dichlorophenol	1400	U
2,4-dimethylphenol	1400	U
2,4-dinitrophenol	7300	U
2,4-dinitrotoluene	1400	U
2,6-dichlorophenol	1400	U
2,6-dinitrotoluene	1400	U
2-acetylaminofluorene	1400	U
2-chloronaphthalene	1400	U
2-chlorophenol	1400	U
2-methyl-4,6-dinitrophenol	7300	U
2-methylnaphthalene	1400	U
2-naphthylamine	1400	U
2-nitroaniline	7300	U
2-nitrophenol	1400	U
2-picoline	1400	U
3 & 4-methylphenol	1400	U
3,3'-dichlorobenzidine	2800	U
3,3'-dimethylbenzidine	7300	U
3-methylcholanthrene	1400	U
3-nitroaniline	7300	U
4-aminobiphenyl	1400	U
4-bromophenyl phenyl ether	1400	U
4-chloro-3-methylphenol	1400	U

PARAMETER	RESULT	QUAL
4-chloroaniline	2800	U
4-chlorophenyl phenyl ether	1400	U
4-nitroaniline	7300	U
4-nitrophenol	7300	U
4-nitroquinoline-1-oxide	14000	U
5-nitro-o-toluidine	1400	U
7,12-dimethylbenz(a)anthracene	1400	U
a,a-dimethylphenethylamine	7300	U
Acenaphthene	1400	U
Acenaphthylene	1400	U
Acetophenone	1400	U
Aniline	1400	U
Anthracene	1400	U
Aramite	1400	U
Benzo(a)anthracene	1400	U
Benzo(a)pyrene	1400	U
Benzo(b)fluoranthene	1400	U
Benzo(g,h,i)perylene	1400	U
Benzo(k)fluoranthene	1400	U
Benzyl alcohol	1400	U
Bis(2-chloroethoxy)methane	1400	U
Bis(2-chloroethyl)ether	1400	U
Bis(2-ethylhexyl)phthalate	1400	U
Butyl benzyl phthalate	1400	U
Chrysene	1400	U
Di-n-butyl phthalate	1400	U
Di-n-octyl phthalate	1400	U
Diallate	1400	U
Dibenzo(a,h)anthracene	1400	U
Dibenzofuran	1400	U
Diethyl phthalate	1400	U
Dimethyl phthalate	1400	U
Ethyl methanesulfonate	1400	U
Fluoranthene	1400	U
Fluorene	1400	U
Hexachlorobenzene	1400	U
Hexachlorobutadiene	1400	U
Hexachlorocyclopentadiene	1400	U
Hexachloroethane	1400	U
Hexachloropropene	1400	U
Indeno(1,2,3-cd)pyrene	1400	U
Isophorone	1400	U
Isosafrole	1400	U
Methapyrilene	14000	U
Methyl methanesulfonate	1400	U
Methylphenol	1400	U
N-nitroso-di-n-butylamine	1400	U
N-nitroso-di-n-propylamine	1400	U
N-nitrosodiethylamine	1400	U
N-nitrosodimethylamine	1400	U

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PARAMETER	RESULT	QUAL
N-nitrosodiphenylamine	1400	U
N-nitrosomethylethylamine	1400	U
N-nitrosomorpholine	1400	U
N-nitrosopiperidine	1400	U
N-nitrosopyrrolidine	1400	U
Naphthalene	1400	U
Nitrobenzene	1400	U
o,o,o-triethylphosphorothioate	1400	U
o-toluidine	1400	U
p-dimethylaminoazobenzene	1400	U
p-phenylenediamine	7300	U
Pentachlorobenzene	1400	U
Pentachloronitrobenzene	1400	U
Pentachlorophenol	7300	U
Phenacetin	1400	U
Phenanthrene	1400	U
Phenol	1400	U
Pronamide	1400	U
Pyrene	1400	U
Pyridine	1400	U
Safrole	1400	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
Bis(2-chloroisopropyl)ether	1400	U
PESTICIDES/PCBs (µg/kg)		
Dinoseb	1400	U
Kepone	1400	U
S4F-11 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	9.6	U
Antimony	2.4	U
Arsenic	0.45	U
Barium	2.2	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.62	U
Cobalt	0.37	U
Copper	17.5	
Iron	43.2	
Lead	2.8	
Manganese	3.9	
Mercury	0.03	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	39.9	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	990	U
1,2,4-trichlorobenzene	990	U

PARAMETER	RESULT	QUAL
1,2-dichlorobenzene	990	U
1,3,5-trinitrobenzene	990	U
1,3-dichlorobenzene	990	U
1,3-dinitrobenzene	990	U
1,4-dichlorobenzene	990	U
1,4-dioxane	990	U
1,4-naphthoquinone	990	U
1-naphthylamine	990	U
2,3,4,6-tetrachlorophenol	5100	U
2,4,5-trichlorophenol	990	U
2,4,6-trichlorophenol	990	U
2,4-dichlorophenol	990	U
2,4-dimethylphenol	990	U
2,4-dinitrophenol	5100	U
2,4-dinitrotoluene	990	U
2,6-dichlorophenol	990	U
2,6-dinitrotoluene	990	U
2-acetylaminofluorene	990	U
2-chloronaphthalene	990	U
2-chlorophenol	990	U
2-methyl-4,6-dinitrophenol	5100	U
2-methylnaphthalene	990	U
2-naphthylamine	990	U
2-nitroaniline	5100	U
2-nitrophenol	990	U
2-picoline	990	U
3 & 4-methylphenol	990	U
3,3'-dichlorobenzidine	2000	U
3,3'-dimethylbenzidine	5100	U
3-methylcholanthrene	990	U
3-nitroaniline	5100	U
4-aminobiphenyl	990	U
4-bromophenyl phenyl ether	990	U
4-chloro-3-methylphenol	990	U
4-chloroaniline	2000	U
4-chlorophenyl phenyl ether	990	U
4-nitroaniline	5100	U
4-nitrophenol	5100	U
4-nitroquinoline-1-oxide	9900	U
5-nitro-o-toluidine	990	U
7,12-dimethylbenz(a)anthracene	990	U
a,a-dimethylphenethylamine	5100	U
Acenaphthene	990	U
Acenaphthylene	990	U
Acetophenone	990	U
Aniline	990	U
Anthracene	990	U
Aramite	990	U
Benzo(a)anthracene	990	U
Benzo(a)pyrene	990	U

PARAMETER	RESULT	QUAL
Benzo(b)fluoranthene	990	U
Benzo(g,h,i)perylene	990	U
Benzo(k)fluoranthene	990	U
Benzyl alcohol	990	U
Bis(2-chloroethoxy)methane	990	U
Bis(2-chloroethyl)ether	990	U
Bis(2-ethylhexyl)phthalate	990	U
Butyl benzyl phthalate	990	U
Chrysene	990	U
Di-n-butyl phthalate	990	U
Di-n-octyl phthalate	990	U
Diallate	990	U
Dibenzo(a,h)anthracene	990	U
Dibenzofuran	990	U
Diethyl phthalate	990	U
Dimethyl phthalate	990	U
Ethyl methanesulfonate	990	U
Fluoranthene	990	U
Fluorene	990	U
Hexachlorobenzene	990	U
Hexachlorobutadiene	990	U
Hexachlorocyclopentadiene	990	U
Hexachloroethane	990	U
Hexachloropropene	990	U
Indeno(1,2,3-cd)pyrene	990	U
Isophorone	990	U
Isosafrole	990	U
Methapyrilene	9900	U
Methyl methanesulfonate	990	U
Methylphenol	990	U
N-nitroso-di-n-butylamine	990	U
N-nitroso-di-n-propylamine	990	U
N-nitrosodiethylamine	990	U
N-nitrosodimethylamine	990	U
N-nitrosodiphenylamine	990	U
N-nitrosomethylethylamine	990	U
N-nitrosomorpholine	990	U
N-nitrosopiperidine	990	U
N-nitrosopyrrolidine	990	U
Naphthalene	990	U
Nitrobenzene	990	U
o,o,o-triethylphosphorothioate	990	U
o-toluidine	990	U
p-dimethylaminoazobenzene	990	U
p-phenylenediamine	5100	U
Pentachlorobenzene	990	U
Pentachloronitrobenzene	990	U
Pentachlorophenol	5100	U
Phenacetin	990	U
Phenanthrene	990	U

PARAMETER	RESULT	QUAL
Phenol	990	U
Pronamide	990	U
Pyrene	990	U
Pyridine	990	U
Safrole	990	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
Bis(2-chloroisopropyl)ether	990	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.8	U
4,4'-DDE	0.75	J
4,4'-DDT	3.8	U
Aldrin	1.1	J
alpha-BHC	2	U
Aroclor-1016	38	U
Aroclor-1221	77	U
Aroclor-1232	38	U
Aroclor-1242	38	U
Aroclor-1248	38	U
Aroclor-1254	38	U
Aroclor-1260	38	U
beta-BHC	2.9	J
Chlordane	20	U
Chlorobenzilate	20	U
delta-BHC	0.69	J
Dieldrin	3.8	U
Dinoseb	990	U
Endosulfan I	1.8	J
Endosulfan II	1.4	J
Endosulfan sulfate	9.3	J
Endrin	3.8	U
Endrin aldehyde	6.5	J
gamma-BHC (lindane)	0.11	J
Heptachlor	2	U
Heptachlor epoxide	2	U
Isodrin	1.4	J
Kepone	990	U
Methoxychlor	20	U
Toxaphene	200	U
S4F-12 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	7.7	U
Antimony	2.4	U
Arsenic	0.45	U
Barium	2	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	21.3	
Iron	38.8	

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PARAMETER	RESULT	QUAL
Lead	2.6	
Manganese	3.8	
Mercury	0.02	U
Nickel	0.85	U
Selenium	1	U
Silver	0.37	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	56.8	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	2500	U
1,2,4-trichlorobenzene	2500	U
1,2-dichlorobenzene	2500	U
1,3,5-trinitrobenzene	2500	U
1,3-dichlorobenzene	2500	U
1,3-dinitrobenzene	2500	U
1,4-dichlorobenzene	2500	U
1,4-dioxane	2500	U
1,4-naphthoquinone	2500	U
1-naphthylamine	2500	U
2,3,4,6-tetrachlorophenol	13000	U
2,4,5-trichlorophenol	2500	U
2,4,6-trichlorophenol	2500	U
2,4-dichlorophenol	2500	U
2,4-dimethylphenol	2500	U
2,4-dinitrophenol	13000	U
2,4-dinitrotoluene	2500	U
2,6-dichlorophenol	2500	U
2,6-dinitrotoluene	2500	U
2-acetylaminofluorene	2500	U
2-chloronaphthalene	2500	U
2-chlorophenol	2500	U
2-methyl-4,6-dinitrophenol	13000	U
2-methylnaphthalene	2500	U
2-naphthylamine	2500	U
2-nitroaniline	13000	U
2-nitrophenol	2500	U
2-picoline	2500	U
3 & 4-methylphenol	2500	U
3,3'-dichlorobenzidine	5000	U
3,3'-dimethylbenzidine	13000	U
3-methylcholanthrene	2500	U
3-nitroaniline	13000	U
4-aminobiphenyl	2500	U
4-bromophenyl phenyl ether	2500	U
4-chloro-3-methylphenol	2500	U
4-chloroaniline	5000	U
4-chlorophenyl phenyl ether	2500	U
4-nitroaniline	13000	U
4-nitrophenol	13000	U

PARAMETER	RESULT	QUAL
4-nitroquinoline-1-oxide	25000	U
5-nitro-o-toluidine	2500	U
7,12-dimethylbenz(a)anthracene	2500	U
a,a-dimethylphenethylamine	13000	U
Acenaphthene	2500	U
Acenaphthylene	2500	U
Acetophenone	2500	U
Aniline	2500	U
Anthracene	2500	U
Aramite	2500	U
Benzo(a)anthracene	2500	U
Benzo(a)pyrene	2500	U
Benzo(b)fluoranthene	2500	U
Benzo(g,h,i)perylene	2500	U
Benzo(k)fluoranthene	2500	U
Benzyl alcohol	2500	U
Bis(2-chloroethoxy)methane	2500	U
Bis(2-chloroethyl)ether	2500	U
Bis(2-ethylhexyl)phthalate	2500	U
Butyl benzyl phthalate	2500	U
Chrysene	2500	U
Di-n-butyl phthalate	2500	U
Di-n-octyl phthalate	2500	U
Diallate	2500	U
Dibenzo(a,h)anthracene	2500	U
Dibenzofuran	2500	U
Diethyl phthalate	2500	U
Dimethyl phthalate	2500	U
Ethyl methanesulfonate	2500	U
Fluoranthene	2500	U
Fluorene	2500	U
Hexachlorobenzene	2500	U
Hexachlorobutadiene	2500	U
Hexachlorocyclopentadiene	2500	U
Hexachloroethane	2500	U
Hexachloropropene	2500	U
Indeno(1,2,3-cd)pyrene	2500	U
Isophorone	2500	U
Isosafrole	2500	U
Methapyrilene	25000	U
Methyl methanesulfonate	2500	U
Methylphenol	2500	U
N-nitroso-di-n-butylamine	2500	U
N-nitroso-di-n-propylamine	2500	U
N-nitrosodiethylamine	2500	U
N-nitrosodimethylamine	2500	U
N-nitrosodiphenylamine	2500	U
N-nitrosomethylethylamine	2500	U
N-nitrosomorpholine	2500	U
N-nitrosopiperidine	2500	U

PARAMETER	RESULT	QUAL
N-nitrosopyrrolidine	2500	U
Naphthalene	2500	U
Nitrobenzene	2500	U
o,o,o-triethylphosphorothioate	2500	U
o-toluidine	2500	U
p-dimethylaminoazobenzene	2500	U
p-phenylenediamine	13000	U
Pentachlorobenzene	2500	U
Pentachloronitrobenzene	2500	U
Pentachlorophenol	13000	U
Phenacetin	2500	U
Phenanthrene	2500	U
Phenol	2500	U
Pronamide	2500	U
Pyrene	2500	U
Pyridine	2500	U
Safrole	2500	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
Bis(2-chloroisopropyl)ether	2500	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	4.1	U
4,4'-DDE	1.7	J
4,4'-DDT	6	J
Aldrin	0.43	J
alpha-BHC	2.1	U
Aroclor-1016	41	U
Aroclor-1221	84	U
Aroclor-1232	41	U
Aroclor-1242	41	U
Aroclor-1248	41	U
Aroclor-1254	41	U
Aroclor-1260	41	U
beta-BHC	1.4	J
Chlordane	21	U
Chlorobenzilate	21	U
delta-BHC	1.4	J
Dieldrin	0.16	J
Dinoseb	2500	U
Endosulfan I	2.1	U
Endosulfan II	0.72	J
Endosulfan sulfate	76	J
Endrin	4.1	U
Endrin aldehyde	4.1	J
gamma-BHC (lindane)	2.1	U
Heptachlor	2.1	U
Heptachlor epoxide	2.1	U
Isodrin	4.1	U
Kepone	2500	U
Methoxychlor	9.2	J
Toxaphene	210	U

PARAMETER	RESULT	QUAL
S4F-13 Fish	SHEEPSHEAD MINNOW	
INORGANICS (mg/kg)		
Aluminum	9.3	U
Antimony	2.4	U
Arsenic	0.45	U
Barium	1.4	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	15.7	
Iron	44	
Lead	1.8	U
Manganese	2.6	
Mercury	0.03	U
Nickel	0.85	U
Selenium	1	U
Silver	0.4	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	57.5	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
2,3,4,6-tetrachlorophenol	6400	U
2,4,5-trichlorophenol	1200	U
2,4,6-trichlorophenol	1200	U
2,4-dichlorophenol	1200	U
2,4-dimethylphenol	1200	U
2,4-dinitrophenol	6400	U
2,6-dichlorophenol	1200	U
2-chlorophenol	1200	U
2-nitrophenol	1200	U
4-nitrophenol	6400	U
Pentachlorophenol	6400	U
Phenol	1200	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	2	J
4,4'-DDT	24	J
Aldrin	0.65	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U

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PARAMETER	RESULT	QUAL
delta-BHC	0.53	J
Dieldrin	2.8	J
Endosulfan I	5.6	J
Endosulfan II	2	J
Endosulfan sulfate	27	J
Endrin	3.3	U
Endrin aldehyde	23	J
gamma-BHC (lindane)	1.7	U
Heptachlor	4.4	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	27	
Toxaphene	170	U
S4F-14 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	1.7	U
Antimony	2.4	U
Arsenic	0.56	U
Barium	0.46	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	1.8	U
Iron	18.8	U
Lead	0.41	U
Manganese	3.7	
Mercury	0.05	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	72.8	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	990	U
1,2,4-trichlorobenzene	990	U
1,2-dichlorobenzene	990	U
1,3,5-trinitrobenzene	990	U
1,3-dichlorobenzene	990	U
1,3-dinitrobenzene	990	U
1,4-dichlorobenzene	990	U
1,4-dioxane	990	U
1,4-naphthoquinone	990	U
1-naphthylamine	990	U
2,3,4,6-tetrachlorophenol	5100	U
2,4,5-trichlorophenol	990	U
2,4,6-trichlorophenol	990	U
2,4-dichlorophenol	990	U
2,4-dimethylphenol	990	U

PARAMETER	RESULT	QUAL
2,4-dinitrophenol	5100	U
2,4-dinitrotoluene	990	U
2,6-dichlorophenol	990	U
2,6-dinitrotoluene	990	U
2-acetylaminofluorene	990	U
2-chloronaphthalene	990	U
2-chlorophenol	990	U
2-methyl-4,6-dinitrophenol	5100	U
2-methylnaphthalene	990	U
2-naphthylamine	990	U
2-nitroaniline	5100	U
2-nitrophenol	990	U
2-picoline	990	U
3 & 4-methylphenol	990	U
3,3'-dichlorobenzidine	2000	U
3,3'-dimethylbenzidine	5100	U
3-methylcholanthrene	990	U
3-nitroaniline	5100	U
4-aminobiphenyl	990	U
4-bromophenyl phenyl ether	990	U
4-chloro-3-methylphenol	990	U
4-chloroaniline	2000	U
4-chlorophenyl phenyl ether	990	U
4-nitroaniline	5100	U
4-nitrophenol	5100	U
4-nitroquinoline-1-oxide	9900	U
5-nitro-o-toluidine	990	U
7,12-dimethylbenz(a)anthracene	990	U
a,a-dimethylphenethylamine	5100	U
Acenaphthene	990	U
Acenaphthylene	990	U
Acetophenone	990	U
Aniline	990	U
Anthracene	990	U
Aramite	990	U
Benzo(a)anthracene	990	U
Benzo(a)pyrene	990	U
Benzo(b)fluoranthene	990	U
Benzo(g,h,i)perylene	990	U
Benzo(k)fluoranthene	990	U
Benzyl alcohol	990	U
Bis(2-chloroethoxy)methane	990	U
Bis(2-chloroethyl)ether	990	U
Bis(2-ethylhexyl)phthalate	990	U
Butyl benzyl phthalate	990	U
Chrysene	990	U
Di-n-butyl phthalate	990	U
Di-n-octyl phthalate	990	U
Diallate	990	U
Dibenzo(a,h)anthracene	990	U

PARAMETER	RESULT	QUAL
Dibenzofuran	990	U
Diethyl phthalate	990	U
Dimethyl phthalate	990	U
Ethyl methanesulfonate	990	U
Fluoranthene	990	U
Fluorene	990	U
Hexachlorobenzene	990	U
Hexachlorobutadiene	990	U
Hexachlorocyclopentadiene	990	U
Hexachloroethane	990	U
Hexachloropropene	990	U
Indeno(1,2,3-cd)pyrene	990	U
Isophorone	990	U
Isosafrole	990	U
Methapyrilene	9900	U
Methyl methanesulfonate	990	U
Methylphenol	990	U
N-nitroso-di-n-butylamine	990	U
N-nitroso-di-n-propylamine	990	U
N-nitrosodiethylamine	990	U
N-nitrosodimethylamine	990	U
N-nitrosomethylethylamine	990	U
N-nitrosomorpholine	990	U
N-nitrosopiperidine	990	U
N-nitrosopyrrolidine	990	U
Naphthalene	990	U
Nitrobenzene	990	U
o,o,o-triethylphosphorothioate	990	U
o-toluidine	990	U
p-dimethylaminoazobenzene	990	U
p-phenylenediamine	5100	U
Pentachlorobenzene	990	U
Pentachloronitrobenzene	990	U
Pentachlorophenol	5100	U
Phenacetin	990	U
Phenanthrene	990	U
Phenol	990	U
Pronamide	990	U
Pyrene	990	U
Pyridine	990	U
Safrole	990	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
Bis(2-chloroisopropyl)ether	990	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	1.1	J
4,4'-DDE	3.8	
4,4'-DDT	3	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U

PARAMETER	RESULT	QUAL
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.9	
Chlordane	17	U
Chlorobenzilate	39	
delta-BHC	1.3	J
Dieldrin	3.3	U
Dinoseb	990	U
Dinoseb	990	U
Endosulfan I	0.2	J
Endosulfan II	3.3	U
Endosulfan sulfate	3.2	J
Endrin	3.3	U
Endrin aldehyde	7.5	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	1.4	J
Kepone	990	U
Methoxychlor	17	U
Toxaphene	170	U
S4F-16 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	12.2	U
Antimony	2.4	U
Arsenic	0.49	U
Barium	1.8	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	14.4	
Iron	37.6	
Lead	2.9	
Manganese	3.4	
Mercury	0.02	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	44	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	4.5	U
4,4'-DDE	2.6	J
4,4'-DDT	23	J

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PARAMETER	RESULT	QUAL
Aldrin	1.6	J
alpha-BHC	2.3	U
Aroclor-1016	45	U
Aroclor-1221	91	U
Aroclor-1232	45	U
Aroclor-1242	45	U
Aroclor-1248	45	U
Aroclor-1254	45	U
Aroclor-1260	45	U
beta-BHC	2.3	U
Chlordane	23	U
Chlorobenzilate	49	
delta-BHC	2.3	U
Dieldrin	4.5	U
Endosulfan I	6.5	J
Endosulfan II	4.5	U
Endosulfan sulfate	58	J
Endrin	4.5	U
Endrin aldehyde	14	J
gamma-BHC (lindane)	2.3	U
Heptachlor	2.3	U
Heptachlor epoxide	2.3	U
Isodrin	6.2	
Methoxychlor	23	U
Toxaphene	230	U
S4F-17 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	13.5	U
Antimony	2.4	U
Arsenic	0.45	U
Barium	1.9	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	16.2	
Iron	42.6	
Lead	2.4	
Manganese	4	
Mercury	0.02	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	55	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
2,3,4,6-tetrachlorophenol	5700	U
2,4,5-trichlorophenol	1100	U
2,4,6-trichlorophenol	1100	U

PARAMETER	RESULT	QUAL
2,4-dichlorophenol	1100	U
2,4-dimethylphenol	1100	U
2,4-dinitrophenol	5700	U
2,6-dichlorophenol	1100	U
2-chlorophenol	1100	U
2-nitrophenol	1100	U
4-nitrophenol	5700	U
Pentachlorophenol	5700	U
Phenol	1100	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	1.7	J
4,4'-DDT	20	J
Aldrin	1.4	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.6	J
Dieldrin	1.7	J
Endosulfan I	5.7	J
Endosulfan II	3.3	U
Endosulfan sulfate	48	J
Endrin	3.3	U
Endrin aldehyde	12	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	5.1	
Methoxychlor	18	J
Toxaphene	170	U
S4F-18 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	7.8	U
Antimony	2.4	U
Arsenic	0.45	U
Barium	1.4	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	18.9	
Iron	46.9	

PARAMETER	RESULT	QUAL
Lead	2.3	
Manganese	2.6	
Mercury	0.02	U
Nickel	0.85	U
Selenium	1	U
Silver	0.28	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	56.1	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	2.1	J
4,4'-DDE	1.8	J
4,4'-DDT	23	J
Aldrin	1.1	J
alpha-BHC	2.8	U
Aroclor-1016	55	U
Aroclor-1221	110	U
Aroclor-1232	55	U
Aroclor-1242	55	U
Aroclor-1248	55	U
Aroclor-1254	55	U
Aroclor-1260	55	U
beta-BHC	3	J
Chlordane	28	U
Chlorobenzilate	28	U
delta-BHC	2.8	U
Dieldrin	1.7	J
Endosulfan I	3.8	J
Endosulfan II	5.5	U
Endosulfan sulfate	25	J
Endrin	5.5	U
Endrin aldehyde	9.4	J
gamma-BHC (lindane)	2.8	U
Heptachlor	2.8	U
Heptachlor epoxide	2.8	U
Isodrin	0.45	J
Methoxychlor	23	J
Toxaphene	280	U
S4F-2 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	10.9	U
Antimony	2.4	U
Arsenic	0.45	U
Barium	1.9	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	21.9	
Iron	44.3	

PARAMETER	RESULT	QUAL
Lead	2.8	
Manganese	3.2	
Mercury	0.03	U
Nickel	0.85	U
Selenium	1	U
Silver	0.27	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	38.2	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	1.4	J
4,4'-DDE	0.94	J
4,4'-DDT	7	
Aldrin	2.6	U
alpha-BHC	2.6	U
Aroclor-1016	50	U
Aroclor-1221	100	U
Aroclor-1232	50	U
Aroclor-1242	50	U
Aroclor-1248	50	U
Aroclor-1254	50	U
Aroclor-1260	50	U
beta-BHC	1.4	J
Chlordane	26	U
Chlorobenzilate	8.1	J
delta-BHC	2.6	U
Dieldrin	5	U
Endosulfan I	2.8	J
Endosulfan II	5	U
Endosulfan sulfate	2.4	J
Endrin	5	U
Endrin aldehyde	6.6	J
gamma-BHC (lindane)	2.6	U
Heptachlor	2.6	U
Heptachlor epoxide	2.6	U
Isodrin	0.6	J
Methoxychlor	26	U
Toxaphene	260	U
S4F-6 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	8.9	U
Antimony	2.4	U
Arsenic	0.45	U
Barium	1.6	U
Beryllium	0.04	U
Cadmium	0.56	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	18	
Iron	53.9	

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PARAMETER	RESULT	QUAL
Lead	2.2	
Manganese	3	
Mercury	0.03	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	42.7	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	1400	U
1,2,4-trichlorobenzene	1400	U
1,2-dichlorobenzene	1400	U
1,3,5-trinitrobenzene	1400	U
1,3-dichlorobenzene	1400	U
1,3-dinitrobenzene	1400	U
1,4-dichlorobenzene	1400	U
1,4-dioxane	1400	U
1,4-naphthoquinone	1400	U
1-naphthylamine	1400	U
2,3,4,6-tetrachlorophenol	7300	U
2,4,5-trichlorophenol	1400	U
2,4,6-trichlorophenol	1400	U
2,4-dichlorophenol	1400	U
2,4-dimethylphenol	1400	U
2,4-dinitrophenol	7300	U
2,4-dinitrotoluene	1400	U
2,6-dichlorophenol	1400	U
2,6-dinitrotoluene	1400	U
2-acetylaminofluorene	1400	U
2-chloronaphthalene	1400	U
2-chlorophenol	1400	U
2-methyl-4,6-dinitrophenol	7300	U
2-methylnaphthalene	1400	U
2-naphthylamine	1400	U
2-nitroaniline	7300	U
2-nitrophenol	1400	U
2-picoline	1400	U
3 & 4-methylphenol	1400	U
3,3'-dichlorobenzidine	2800	U
3,3'-dimethylbenzidine	7300	U
3-methylcholanthrene	1400	U
3-nitroaniline	7300	U
4-aminobiphenyl	1400	U
4-bromophenyl phenyl ether	1400	U
4-chloro-3-methylphenol	1400	U
4-chloroaniline	2800	U
4-chlorophenyl phenyl ether	1400	U
4-nitroaniline	7300	U
4-nitrophenol	7300	U

PARAMETER	RESULT	QUAL
4-nitroquinoline-1-oxide	14000	U
5-nitro-o-toluidine	1400	U
7,12-dimethylbenz(a)anthracene	1400	U
a,a-dimethylphenethylamine	7300	U
Acenaphthene	1400	U
Acenaphthylene	1400	U
Acetophenone	1400	U
Aniline	1400	U
Anthracene	1400	U
Aramite	1400	U
Benzo(a)anthracene	1400	U
Benzo(a)pyrene	1400	U
Benzo(b)fluoranthene	1400	U
Benzo(g,h,i)perylene	1400	U
Benzo(k)fluoranthene	1400	U
Benzyl alcohol	1400	U
Bis(2-chloroethoxy)methane	1400	U
Bis(2-chloroethyl)ether	1400	U
Bis(2-ethylhexyl)phthalate	1400	U
Butyl benzyl phthalate	1400	U
Chrysene	1400	U
Di-n-butyl phthalate	1400	U
Di-n-octyl phthalate	1400	U
Diallate	1400	U
Dibenzo(a,h)anthracene	1400	U
Dibenzofuran	1400	U
Diethyl phthalate	1400	U
Dimethyl phthalate	1400	U
Ethyl methanesulfonate	1400	U
Fluoranthene	1400	U
Fluorene	1400	U
Hexachlorobenzene	1400	U
Hexachlorobutadiene	1400	U
Hexachlorocyclopentadiene	1400	U
Hexachloroethane	1400	U
Hexachloropropene	1400	U
Indeno(1,2,3-cd)pyrene	1400	U
Isophorone	1400	U
Isosafrole	1400	U
Methapyrilene	14000	U
Methyl methanesulfonate	1400	U
Methylphenol	1400	U
N-nitroso-di-n-butylamine	1400	U
N-nitroso-di-n-propylamine	1400	U
N-nitrosodiethylamine	1400	U
N-nitrosodimethylamine	1400	U
N-nitrosodiphenylamine	1400	U
N-nitrosomethylethylamine	1400	U
N-nitrosomorpholine	1400	U
N-nitrosopiperidine	1400	U

PARAMETER	RESULT	QUAL
N-nitrosopyrrolidine	1400	U
Naphthalene	1400	U
Nitrobenzene	1400	U
o,o,o-triethylphosphorothioate	1400	U
o-toluidine	1400	U
p-dimethylaminoazobenzene	1400	U
p-phenylenediamine	7300	U
Pentachlorobenzene	1400	U
Pentachloronitrobenzene	1400	U
Pentachlorophenol	7300	U
Phenacetin	1400	U
Phenanthrene	1400	U
Phenol	1400	U
Pronamide	1400	U
Pyrene	1400	U
Pyridine	1400	U
Safrole	1400	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
Bis(2-chloroisopropyl)ether	1400	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.8	U
4,4'-DDE	1.4	J
4,4'-DDT	2.3	J
Aldrin	0.31	J
alpha-BHC	2	U
Aroclor-1016	38	U
Aroclor-1221	77	U
Aroclor-1232	38	U
Aroclor-1242	38	U
Aroclor-1248	38	U
Aroclor-1254	38	U
Aroclor-1260	38	U
beta-BHC	1.1	J
Chlordane	20	U
Chlorobenzilate	20	U
delta-BHC	0.31	J
Dieldrin	0.69	J
Dinoseb	1400	U
Endosulfan I	1.1	J
Endosulfan II	0.6	J
Endosulfan sulfate	24	J
Endrin	3.8	U
Endrin aldehyde	11	J
gamma-BHC (lindane)	0.13	J
Heptachlor	2	U
Heptachlor epoxide	2	U
Isodrin	3.8	U
Kepone	1400	U
Methoxychlor	5.9	J
Toxaphene	200	U

PARAMETER	RESULT	QUAL
S4F-7 Fish	SHEEPSHEAD MINNOW	
INORGANICS (mg/kg)		
Aluminum	3.4	U
Antimony	2.4	U
Arsenic	0.45	U
Barium	1.8	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	10.7	
Iron	27	
Lead	2.1	
Manganese	2.9	
Mercury	0.03	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	31.3	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	4.5	U
4,4'-DDE	1.5	J
4,4'-DDT	5.5	
Aldrin	0.27	J
alpha-BHC	2.3	U
Aroclor-1016	45	U
Aroclor-1221	91	U
Aroclor-1232	45	U
Aroclor-1242	45	U
Aroclor-1248	45	U
Aroclor-1254	45	U
Aroclor-1260	45	U
beta-BHC	1.4	J
Chlordane	23	U
Chlorobenzilate	25	J
delta-BHC	0.071	J
Dieldrin	0.73	J
Endosulfan I	2.3	U
Endosulfan II	0.17	J
Endosulfan sulfate	8.9	J
Endrin	4.5	U
Endrin aldehyde	15	J
gamma-BHC (lindane)	2.3	U
Heptachlor	2.3	U
Heptachlor epoxide	2.3	U
Isodrin	4.5	U
Methoxychlor	23	U
Toxaphene	230	U

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PARAMETER	RESULT	QUAL
S4F-8 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	12.7	U
Antimony	2.4	U
Arsenic	0.68	U
Barium	2	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	38.3	
Iron	80.8	
Lead	2.7	
Manganese	4.9	
Mercury	0.03	U
Nickel	0.85	U
Selenium	1	U
Silver	0.37	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	51.4	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	4.5	U
4,4'-DDE	1.2	J
4,4'-DDT	2.9	J
Aldrin	0.53	J
alpha-BHC	2.3	U
Aroclor-1016	45	U
Aroclor-1221	91	U
Aroclor-1232	45	U
Aroclor-1242	45	U
Aroclor-1248	45	U
Aroclor-1254	45	U
Aroclor-1260	45	U
beta-BHC	2	J
Chlordane	23	U
Chlorobenzilate	23	U
delta-BHC	0.16	J
Dieldrin	0.57	J
Endosulfan I	0.59	J
Endosulfan II	0.4	J
Endosulfan sulfate	27	J
Endrin	4.5	U
Endrin aldehyde	12	J
gamma-BHC (lindane)	2.3	U
Heptachlor	2	J
Heptachlor epoxide	2.3	U
Isodrin	4.5	U
Methoxychlor	23	U
Toxaphene	230	U

PARAMETER	RESULT	QUAL
S4V-22 Vegetation	**RED MANGROVE**	
INORGANICS (mg/kg)		
Aluminum	1.6	U
Antimony	1.9	U
Arsenic	0.94	U
Barium	0.18	U
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	1.2	U
Iron	9.6	U
Lead	0.32	U
Manganese	24.7	
Mercury	0.01	U
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	1.6	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.8	J
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U

PARAMETER	RESULT	QUAL
S4V-23 Vegetation	**RED MANGROVE**	
INORGANICS (mg/kg)		
Aluminum	1.6	U
Antimony	1.9	U
Arsenic	0.94	U
Barium	0.21	U
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	2.6	U
Iron	10.1	U
Lead	0.32	U
Manganese	7.1	
Mercury	0.02	U
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	2.2	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.064	J
4,4'-DDE	3.3	U
4,4'-DDT	0.11	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	68	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	0.16	J
gamma-BHC (lindane)	1.2	J
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U

PARAMETER	RESULT	QUAL
S4V-24 Vegetation	**RED MANGROVE**	
INORGANICS (mg/kg)		
Aluminum	1.6	U
Antimony	1.9	U
Arsenic	0.94	U
Barium	0.18	U
Beryllium	0.03	U
Cadmium	0.61	U
Chromium	0.72	U
Cobalt	0.24	U
Copper	1.5	U
Iron	8.4	U
Lead	0.32	U
Manganese	8.4	
Mercury	0.03	U
Nickel	0.72	U
Selenium	1	U
Silver	0.3	U
Thallium	0.92	U
Vanadium	0.42	U
Zinc	1.6	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	0.83	J
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U

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PARAMETER	RESULT	QUAL
SWMU 5		
S5F-22 Fish	**FUNDULUS SPP**	
INORGANICS (mg/kg)		
Aluminum	2.9	U
Antimony	2.4	U
Arsenic	2.4	U
Barium	1.3	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.42	U
Copper	1.7	U
Iron	26.9	U
Lead	0.63	
Manganese	4.4	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	85.8	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	660	U
1,2,4-trichlorobenzene	660	U
1,2-dichlorobenzene	660	U
1,3,5-trinitrobenzene	660	U
1,3-dichlorobenzene	660	U
1,3-dinitrobenzene	660	U
1,4-dichlorobenzene	660	U
1,4-dioxane	660	U
1,4-naphthoquinone	660	U
1-naphthylamine	660	U
2,3,4,6-tetrachlorophenol	3400	U
2,4,5-trichlorophenol	660	U
2,4,6-trichlorophenol	660	U
2,4-dichlorophenol	660	U
2,4-dimethylphenol	660	U
2,4-dinitrophenol	3400	U
2,4-dinitrotoluene	660	U
2,6-dichlorophenol	660	U
2,6-dinitrotoluene	660	U
2-acetylaminofluorene	660	U
2-chloronaphthalene	660	U
2-chlorophenol	660	U
2-methyl-4,6-dinitrophenol	3400	U
2-methylnaphthalene	660	U
2-naphthylamine	660	U
2-nitroaniline	3400	U
2-nitrophenol	660	U
2-picoline	660	U
3 & 4-methylphenol	660	U
3,3'-dichlorobenzidine	1300	U
3,3'-dimethylbenzidine	3400	U
3-methylcholanthrene	660	U
3-nitroaniline	3400	U
4-aminobiphenyl	660	U
4-bromophenyl phenyl ether	660	U
4-chloro-3-methylphenol	660	U
4-chloroaniline	1300	U
4-chlorophenyl phenyl ether	660	U
4-nitroaniline	3400	U
4-nitrophenol	3400	U
4-nitroquinoline-1-oxide	6600	U
5-nitro-o-toluidine	660	U
7,12-dimethylbenz(a)anthracene	660	U
a,a-dimethylphenethylamine	3400	U
Acenaphthene	660	U
Acenaphthylene	660	U
Acetophenone	660	U
Aniline	660	U
Anthracene	660	U
Aramite	660	U
Benzo(a)anthracene	660	U
Benzo(a)pyrene	660	U
Benzo(b)fluoranthene	660	U
Benzo(g,h,i)perylene	660	U
Benzo(k)fluoranthene	660	U
Benzyl alcohol	660	U
Bis(2-chloroethoxy)methane	660	U
Bis(2-chloroethyl)ether	660	U
Bis(2-ethylhexyl)phthalate	660	U
Butyl benzyl phthalate	660	U
Chrysene	660	U
Di-n-butyl phthalate	660	U
Di-n-octyl phthalate	660	U
Diallate	660	U
Dibenzo(a,h)anthracene	660	U
Dibenzofuran	660	U
Diethyl phthalate	660	U
Dimethyl phthalate	660	U
Ethyl methanesulfonate	660	U
Fluoranthene	660	U
Fluorene	660	U
Hexachlorobenzene	660	U
Hexachlorobutadiene	660	U
Hexachlorocyclopentadiene	660	U
Hexachloroethane	660	U
Hexachloropropene	660	U
Indeno(1,2,3-cd)pyrene	660	U
Isophorone	660	U
Isosafrole	660	U
Methapyrilene	6600	U
Methyl methanesulfonate	660	U
Methylphenol	660	U
N-nitroso-di-n-butylamine	660	U
N-nitroso-di-n-propylamine	660	U
N-nitrosodiethylamine	660	U
N-nitrosodimethylamine	660	U
N-nitrosomethylethylamine	660	U
N-nitrosomorpholine	660	U
N-nitrosopiperidine	660	U
N-nitrosopyrrolidine	660	U
Naphthalene	660	U
Nitrobenzene	660	U
o,o,o-triethylphosphorothioate	660	U
o-toluidine	660	U
p-dimethylaminoazobenzene	660	U
p-phenylenediamine	3400	U
Pentachlorobenzene	660	U
Pentachloronitrobenzene	660	U
Pentachlorophenol	3400	U
Phenacetin	660	U
Phenanthrene	660	U
Phenol	660	U
Pronamide	660	U
Pyrene	660	U
Pyridine	660	U
Safrole	660	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
Bis(2-chloroisopropyl)ether	660	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	5	
4,4'-DDE	1.2	J
4,4'-DDT	5.3	J
Aldrin	2.6	J
alpha-BHC	2.6	U
Aroclor-1016	50	U
Aroclor-1221	100	U
Aroclor-1232	50	U
Aroclor-1242	50	U
Aroclor-1248	50	U
Aroclor-1254	50	U
Aroclor-1260	50	U
beta-BHC	2.4	J
Chlordane	26	U
Chlorobenzilate	30	J
delta-BHC	2.6	U
Dieldrin	1.7	J
Dinoseb	660	U
Dinoseb	660	U
Endosulfan I	0.94	J
Endosulfan II	4	J
Endosulfan sulfate	5.8	J
Endrin	1.4	J
Endrin aldehyde	5.4	J
gamma-BHC (lindane)	0.64	J
Heptachlor	3	
Heptachlor epoxide	2.6	U
Isodrin	5	U
Kepone	660	U
Methoxychlor	1.3	J
Toxaphene	260	U
S5F-23 Fish	**FUNDULUS SPP**	
INORGANICS (mg/kg)		
Aluminum	2.8	U
Antimony	2.4	U
Arsenic	2.8	U
Barium	1.2	U
Beryllium	0.04	U
Cadmium	0.64	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	1.9	U
Iron	23.7	U
Lead	0.56	
Manganese	3.8	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	86.5	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	1.3	J
4,4'-DDE	1.8	J
4,4'-DDT	8.5	
Aldrin	1.3	J
alpha-BHC	2.3	U
Aroclor-1016	45	U
Aroclor-1221	91	U
Aroclor-1232	45	U
Aroclor-1242	45	U
Aroclor-1248	45	U
Aroclor-1254	45	U
Aroclor-1260	45	U
beta-BHC	0.69	J
Chlordane	23	U
Chlorobenzilate	48	

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PARAMETER	RESULT	QUAL
delta-BHC	2.3	U
Dieldrin	4.5	U
Endosulfan I	0.37	J
Endosulfan II	4.5	U
Endosulfan sulfate	4.5	U
Endrin	1.2	J
Endrin aldehyde	9.2	
gamma-BHC (lindane)	0.44	J
Heptachlor	2.3	U
Heptachlor epoxide	2.3	U
Isodrin	2	J
Methoxychlor	0.74	J
Toxaphene	230	U
S5F-5 Fish	**FUNDULUS SPP**	
INORGANICS (mg/kg)		
Aluminum	3.6	U
Antimony	2.4	U
Arsenic	1.6	U
Barium	1	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	1.4	U
Iron	27.6	
Lead	0.66	U
Manganese	4.2	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	79.9	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.26	J
4,4'-DDE	3.5	J
4,4'-DDT	1.7	J
Aldrin	1.1	J
alpha-BHC	2.3	U
Aroclor-1016	45	U
Aroclor-1221	91	U
Aroclor-1232	45	U
Aroclor-1242	45	U
Aroclor-1248	45	U
Aroclor-1254	45	U
Aroclor-1260	45	U
beta-BHC	0.29	J
Chlordane	23	U
Chlorobenzilate	31	J

PARAMETER	RESULT	QUAL
delta-BHC	2.3	U
Dieldrin	1.2	J
Endosulfan I	2.3	U
Endosulfan II	0.26	J
Endosulfan sulfate	4.5	U
Endrin	4.5	U
Endrin aldehyde	10	J
gamma-BHC (lindane)	2.3	U
Heptachlor	0.32	J
Heptachlor epoxide	2.3	U
Isodrin	4.5	U
Methoxychlor	23	U
Toxaphene	230	U
S5F-6 Fish	**FUNDULUS SPP**	
INORGANICS (mg/kg)		
Aluminum	2.8	U
Antimony	2.4	U
Arsenic	2.5	U
Barium	0.85	U
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	1.1	U
Iron	21.5	U
Lead	0.64	U
Manganese	4.1	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	75.7	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.27	J
4,4'-DDE	1.8	J
4,4'-DDT	2.3	J
Aldrin	0.29	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	23	J

PARAMETER	RESULT	QUAL
delta-BHC	1.7	U
Dieldrin	0.82	J
Endosulfan I	1.7	U
Endosulfan II	0.29	J
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	9.7	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.35	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
S5F-25 Fish	**GOLDSPOTTED KILLIFISH**	
INORGANICS (mg/kg)		
Aluminum	4.2	U
Antimony	2.4	U
Arsenic	1.8	U
Barium	3	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.86	
Cobalt	0.37	U
Copper	1.2	U
Iron	22.3	U
Lead	0.73	
Manganese	1.2	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	43.8	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.4	
4,4'-DDE	1.2	J
4,4'-DDT	9.2	
Aldrin	1	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	87	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	3	
Chlordane	17	U
Chlorobenzilate	47	J

PARAMETER	RESULT	QUAL
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	0.28	J
Endosulfan II	0.41	J
Endosulfan sulfate	4.4	J
Endrin	3.3	U
Endrin aldehyde	2.2	J
gamma-BHC (lindane)	0.88	J
Heptachlor	2.2	
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
S5F-21 Fish	**SAILFIN MOLLY**	
INORGANICS (mg/kg)		
Aluminum	6.1	U
Antimony	2.4	U
Arsenic	1.4	U
Barium	7.3	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	2.9	U
Iron	38.4	
Lead	1.7	
Manganese	2.4	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	43.5	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
2,3,4,6-tetrachlorophenol	3400	U
2,4,5-trichlorophenol	660	U
2,4,6-trichlorophenol	660	U
2,4-dichlorophenol	660	U
2,4-dimethylphenol	660	U
2,4-dinitrophenol	3400	U
2,6-dichlorophenol	660	U
2-chlorophenol	660	U
2-nitrophenol	660	U
4-nitrophenol	3400	U
Pentachlorophenol	3400	U
Phenol	660	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	24	
4,4'-DDE	2.6	J

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PARAMETER	RESULT	QUAL
4,4'-DDT	11	J
Aldrin	5.1	J
alpha-BHC	2.6	U
Aroclor-1016	50	U
Aroclor-1221	100	U
Aroclor-1232	50	U
Aroclor-1242	50	U
Aroclor-1248	50	U
Aroclor-1254	50	U
Aroclor-1260	50	U
beta-BHC	2.6	U
Chlordane	26	U
Chlorobenzilate	330	J
delta-BHC	0.55	J
Dieldrin	2.5	J
Endosulfan I	3.3	
Endosulfan II	2.2	J
Endosulfan sulfate	6.7	
Endrin	5	U
Endrin aldehyde	12	J
gamma-BHC (lindane)	1.3	J
Heptachlor	8.1	J
Heptachlor epoxide	0.75	J
Isodrin	0.97	J
Methoxychlor	1.3	J
Toxaphene	260	U
S5F-4 Fish	**SAILFIN MOLLY**	
INORGANICS (mg/kg)		
Aluminum	318	
Antimony	2.4	U
Arsenic	1.3	U
Barium	5.9	
Beryllium	0.04	U
Cadmium	0.61	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	1.9	U
Iron	48.9	
Lead	2	
Manganese	2.7	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	44.9	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.62	J
4,4'-DDE	3.8	J

PARAMETER	RESULT	QUAL
4,4'-DDT	3.6	J
Aldrin	3.8	
alpha-BHC	0.47	J
Aroclor-1016	50	U
Aroclor-1221	100	U
Aroclor-1232	50	U
Aroclor-1242	50	U
Aroclor-1248	50	U
Aroclor-1254	50	U
Aroclor-1260	50	U
beta-BHC	2.6	U
Chlordane	26	U
Chlorobenzilate	26	U
delta-BHC	2.6	U
Dieldrin	1.8	J
Endosulfan I	0.84	J
Endosulfan II	1.1	J
Endosulfan sulfate	5	U
Endrin	1.1	J
Endrin aldehyde	16	
gamma-BHC (lindane)	2.6	U
Heptachlor	0.75	J
Heptachlor epoxide	0.4	J
Isodrin	5	U
Methoxychlor	26	U
Toxaphene	260	U
S5F-1 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	17.8	U
Antimony	2.4	U
Arsenic	0.72	U
Barium	3	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	1.3	
Cobalt	0.37	U
Copper	3.7	U
Iron	44.7	
Lead	3.9	
Manganese	0.95	U
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	52.7	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.72	J
4,4'-DDE	1.6	J

PARAMETER	RESULT	QUAL
4,4'-DDT	5	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	0.29	J
Chlordane	17	U
Chlorobenzilate	25	J
delta-BHC	1.7	U
Dieldrin	1.3	J
Endosulfan I	0.53	J
Endosulfan II	1.8	J
Endosulfan sulfate	0.83	J
Endrin	3.3	U
Endrin aldehyde	5.2	
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	0.23	J
Isodrin	0.65	J
Methoxychlor	17	U
Toxaphene	170	U
S5F-10 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	14.3	U
Antimony	2.4	U
Arsenic	0.8	U
Barium	3.2	
Beryllium	0.04	U
Cadmium	0.69	U
Chromium	1.2	
Cobalt	0.37	U
Copper	3.7	U
Iron	47.7	
Lead	3.7	
Manganese	1	U
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	55.4	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
2,3,4,6-tetrachlorophenol	5100	U
2,4,5-trichlorophenol	990	U

PARAMETER	RESULT	QUAL
2,4,6-trichlorophenol	990	U
2,4-dichlorophenol	990	U
2,4-dimethylphenol	990	U
2,4-dinitrophenol	5100	U
2,6-dichlorophenol	990	U
2-chlorophenol	990	U
2-nitrophenol	990	U
4-nitrophenol	5100	U
Pentachlorophenol	5100	U
Phenol	990	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.97	J
4,4'-DDE	1.6	J
4,4'-DDT	4.1	
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	28	J
delta-BHC	1.7	U
Dieldrin	1.7	J
Endosulfan I	0.96	J
Endosulfan II	0.38	J
Endosulfan sulfate	1.9	J
Endrin	3.3	U
Endrin aldehyde	8.6	
gamma-BHC (lindane)	1.7	U
Heptachlor	0.9	J
Heptachlor epoxide	0.34	J
Isodrin	0.61	J
Methoxychlor	17	U
Toxaphene	170	U
S5F-11 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	47.3	
Antimony	2.4	U
Arsenic	0.95	U
Barium	3.5	
Beryllium	0.04	U
Cadmium	0.74	U
Chromium	1.9	
Cobalt	0.37	U
Copper	3.1	U

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PARAMETER	RESULT	QUAL
Iron	84.5	
Lead	4.8	
Manganese	1.1	U
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	66.3	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	900	U
1,2,4-trichlorobenzene	900	U
1,2-dichlorobenzene	900	U
1,3,5-trinitrobenzene	900	U
1,3-dichlorobenzene	900	U
1,3-dinitrobenzene	900	U
1,4-dichlorobenzene	900	U
1,4-dioxane	900	U
1,4-naphthoquinone	900	U
1-naphthylamine	900	U
2,3,4,6-tetrachlorophenol	4600	U
2,4,5-trichlorophenol	900	U
2,4,6-trichlorophenol	900	U
2,4-dichlorophenol	900	U
2,4-dimethylphenol	900	U
2,4-dinitrophenol	4600	U
2,4-dinitrotoluene	900	U
2,6-dichlorophenol	900	U
2,6-dinitrotoluene	900	U
2-acetylaminofluorene	900	U
2-chloronaphthalene	900	U
2-chlorophenol	900	U
2-methyl-4,6-dinitrophenol	4600	U
2-methylnaphthalene	900	U
2-naphthylamine	900	U
2-nitroaniline	4600	U
2-nitrophenol	900	U
2-picoline	900	U
3 & 4-methylphenol	900	U
3,3'-dichlorobenzidine	1800	U
3,3'-dimethylbenzidine	4600	U
3-methylcholanthrene	900	U
3-nitroaniline	4600	U
4-aminobiphenyl	900	U
4-bromophenyl phenyl ether	900	U
4-chloro-3-methylphenol	900	U
4-chloroaniline	1800	U
4-chlorophenyl phenyl ether	900	U
4-nitroaniline	4600	U

PARAMETER	RESULT	QUAL
4-nitrophenol	4600	U
4-nitroquinoline-1-oxide	9000	U
5-nitro-o-toluidine	900	U
7,12-dimethylbenz(a)anthracene	900	U
a,a-dimethylphenethylamine	4600	U
Acenaphthene	900	U
Acenaphthylene	900	U
Acetophenone	900	U
Aniline	900	U
Anthracene	900	U
Aramite	900	U
Benzo(a)anthracene	900	U
Benzo(a)pyrene	900	U
Benzo(b)fluoranthene	900	U
Benzo(g,h,i)perylene	900	U
Benzo(k)fluoranthene	900	U
Benzyl alcohol	900	U
Bis(2-chloroethoxy)methane	900	U
Bis(2-chloroethyl)ether	900	U
Bis(2-ethylhexyl)phthalate	900	U
Butyl benzyl phthalate	900	U
Chrysene	900	U
Di-n-butyl phthalate	900	U
Di-n-octyl phthalate	900	U
Diallate	900	U
Dibenzo(a,h)anthracene	900	U
Dibenzofuran	900	U
Diethyl phthalate	900	U
Dimethyl phthalate	900	U
Ethyl methanesulfonate	900	U
Fluoranthene	900	U
Fluorene	900	U
Hexachlorobenzene	900	U
Hexachlorobutadiene	900	U
Hexachlorocyclopentadiene	900	U
Hexachloroethane	900	U
Hexachloropropene	900	U
Indeno(1,2,3-cd)pyrene	900	U
Isophorone	900	U
Isosafrole	900	U
Methapyrilene	9000	U
Methyl methanesulfonate	900	U
Methylphenol	900	U
N-nitroso-di-n-butylamine	900	U
N-nitroso-di-n-propylamine	900	U
N-nitrosodiethylamine	900	U
N-nitrosodimethylamine	900	U
N-nitrosomethylethylamine	900	U
N-nitrosomorpholine	900	U
N-nitrosopiperidine	900	U

PARAMETER	RESULT	QUAL
N-nitrosopyrrolidine	900	U
Naphthalene	900	U
Nitrobenzene	900	U
o,o,o-triethylphosphorothioate	900	U
o-toluidine	900	U
p-dimethylaminoazobenzene	900	U
p-phenylenediamine	4600	U
Pentachlorobenzene	900	U
Pentachloronitrobenzene	900	U
Pentachlorophenol	4600	U
Phenacetin	900	U
Phenanthrene	900	U
Phenol	900	U
Pronamide	900	U
Pyrene	900	U
Pyridine	900	U
Safrole	900	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
Bis(2-chloroisopropyl)ether	900	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.71	J
4,4'-DDE	2.4	J
4,4'-DDT	6.1	
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	34	J
delta-BHC	1.7	U
Dieldrin	0.42	J
Dinoseb	900	U
Endosulfan I	0.5	J
Endosulfan II	0.97	J
Endosulfan sulfate	2.2	J
Endrin	0.74	J
Endrin aldehyde	8.4	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.75	J
Heptachlor epoxide	1.7	U
Isodrin	0.61	J
Kepone	900	U
Methoxychlor	17	U
Toxaphene	170	U

PARAMETER	RESULT	QUAL
S5F-12 Fish	SHEEPSHEAD MINNOW	
INORGANICS (mg/kg)		
Aluminum	20.1	U
Antimony	2.4	U
Arsenic	0.45	U
Barium	3.5	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	1.1	
Cobalt	0.37	U
Copper	5.1	U
Iron	61.6	
Lead	4	
Manganese	0.95	U
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	88.6	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
2,3,4,6-tetrachlorophenol	3900	U
2,4,5-trichlorophenol	760	U
2,4,6-trichlorophenol	760	U
2,4-dichlorophenol	760	U
2,4-dimethylphenol	760	U
2,4-dinitrophenol	3900	U
2,6-dichlorophenol	760	U
2-chlorophenol	760	U
2-nitrophenol	760	U
4-nitrophenol	3900	U
Pentachlorophenol	3900	U
Phenol	760	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.98	J
4,4'-DDE	2	J
4,4'-DDT	4.3	
Aldrin	2.1	U
alpha-BHC	2.1	U
Aroclor-1016	41	U
Aroclor-1221	84	U
Aroclor-1232	41	U
Aroclor-1242	41	U
Aroclor-1248	41	U
Aroclor-1254	41	U
Aroclor-1260	41	U
beta-BHC	2.1	U
Chlordane	21	U
Chlorobenzilate	26	J

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PARAMETER	RESULT	QUAL
delta-BHC	2.1	U
Dieldrin	0.38	J
Endosulfan I	0.66	J
Endosulfan II	0.82	J
Endosulfan sulfate	2.4	J
Endrin	4.1	U
Endrin aldehyde	9	J
gamma-BHC (lindane)	2.1	U
Heptachlor	0.69	J
Heptachlor epoxide	2.1	U
Isodrin	0.9	J
Methoxychlor	21	U
Toxaphene	210	U
S5F-13 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	11.6	U
Antimony	2.4	U
Arsenic	1.2	U
Barium	2.8	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	1.8	U
Iron	40.5	
Lead	4.1	
Manganese	0.91	U
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	55	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	990	U
1,2,4-trichlorobenzene	990	U
1,2-dichlorobenzene	990	U
1,3,5-trinitrobenzene	990	U
1,3-dichlorobenzene	990	U
1,3-dinitrobenzene	990	U
1,4-dichlorobenzene	990	U
1,4-dioxane	990	U
1,4-naphthoquinone	990	U
1-naphthylamine	990	U
2,3,4,6-tetrachlorophenol	5100	U
2,4,5-trichlorophenol	990	U
2,4,6-trichlorophenol	990	U
2,4-dichlorophenol	990	U
2,4-dimethylphenol	990	U

PARAMETER	RESULT	QUAL
2,4-dinitrophenol	5100	U
2,4-dinitrotoluene	990	U
2,6-dichlorophenol	990	U
2,6-dinitrotoluene	990	U
2-acetylaminofluorene	990	U
2-chloronaphthalene	990	U
2-chlorophenol	990	U
2-methyl-4,6-dinitrophenol	5100	U
2-methylnaphthalene	990	U
2-naphthylamine	990	U
2-nitroaniline	5100	U
2-nitrophenol	990	U
2-picoline	990	U
3 & 4-methylphenol	990	U
3,3'-dichlorobenzidine	2000	U
3,3'-dimethylbenzidine	5100	U
3-methylcholanthrene	990	U
3-nitroaniline	5100	U
4-aminobiphenyl	990	U
4-bromophenyl phenyl ether	990	U
4-chloro-3-methylphenol	990	U
4-chloroaniline	2000	U
4-chlorophenyl phenyl ether	990	U
4-nitroaniline	5100	U
4-nitrophenol	5100	U
4-nitroquinoline-1-oxide	9900	U
5-nitro-o-toluidine	990	U
7,12-dimethylbenz(a)anthracene	990	U
a,a-dimethylphenethylamine	5100	U
Acenaphthene	990	U
Acenaphthylene	990	U
Acetophenone	990	U
Aniline	990	U
Anthracene	990	U
Aramite	990	U
Benzo(a)anthracene	990	U
Benzo(a)pyrene	990	U
Benzo(b)fluoranthene	990	U
Benzo(g,h,i)perylene	990	U
Benzo(k)fluoranthene	990	U
Benzyl alcohol	990	U
Bis(2-chloroethoxy)methane	990	U
Bis(2-chloroethyl)ether	990	U
Bis(2-ethylhexyl)phthalate	990	U
Butyl benzyl phthalate	990	U
Chrysene	990	U
Di-n-butyl phthalate	920	U
Di-n-octyl phthalate	990	U
Diallate	990	U
Dibenzo(a,h)anthracene	990	U

PARAMETER	RESULT	QUAL
Dibenzofuran	990	U
Diethyl phthalate	990	U
Dimethyl phthalate	990	U
Ethyl methanesulfonate	990	U
Fluoranthene	990	U
Fluorene	990	U
Hexachlorobenzene	990	U
Hexachlorobutadiene	990	U
Hexachlorocyclopentadiene	990	U
Hexachloroethane	990	U
Hexachloropropene	990	U
Indeno(1,2,3-cd)pyrene	990	U
Isophorone	990	U
Isosafrole	990	U
Methapyrilene	9900	U
Methyl methanesulfonate	990	U
Methylphenol	990	U
N-nitroso-di-n-butylamine	990	U
N-nitroso-di-n-propylamine	990	U
N-nitrosodiethylamine	990	U
N-nitrosodimethylamine	990	U
N-nitrosomethylethylamine	990	U
N-nitrosomorpholine	990	U
N-nitrosopiperidine	990	U
N-nitrosopyrrolidine	990	U
Naphthalene	990	U
Nitrobenzene	990	U
o,o,o-triethylphosphorothioate	990	U
o-toluidine	990	U
p-dimethylaminoazobenzene	990	U
p-phenylenediamine	5100	U
Pentachlorobenzene	990	U
Pentachloronitrobenzene	990	U
Pentachlorophenol	5100	U
Phenacetin	990	U
Phenanthrene	990	U
Phenol	990	U
Pronamide	990	U
Pyrene	990	U
Pyridine	990	U
Safrole	990	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
Bis(2-chloroisopropyl)ether	990	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	2.2	J
4,4'-DDT	6.5	
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U

PARAMETER	RESULT	QUAL
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	41	
delta-BHC	1.7	U
Dieldrin	0.5	J
Dinoseb	990	U
Endosulfan I	0.34	J
Endosulfan II	0.46	J
Endosulfan sulfate	2.4	J
Endrin	0.64	J
Endrin aldehyde	7.4	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.36	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Kepone	990	U
Methoxychlor	17	U
Toxaphene	170	U
S5F-14 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	10.3	U
Antimony	2.4	U
Arsenic	0.67	U
Barium	3	
Beryllium	0.04	U
Cadmium	0.64	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	2.5	U
Iron	31.9	
Lead	3.1	
Manganese	0.95	U
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	53.1	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	990	U
1,2,4-trichlorobenzene	990	U
1,2-dichlorobenzene	990	U
1,3,5-trinitrobenzene	990	U

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PARAMETER	RESULT	QUAL
1,3-dichlorobenzene	990	U
1,3-dinitrobenzene	990	U
1,4-dichlorobenzene	990	U
1,4-dioxane	990	U
1,4-naphthoquinone	990	U
1-naphthylamine	990	U
2,3,4,6-tetrachlorophenol	5100	U
2,4,5-trichlorophenol	990	U
2,4,6-trichlorophenol	990	U
2,4-dichlorophenol	990	U
2,4-dimethylphenol	990	U
2,4-dinitrophenol	5100	U
2,4-dinitrotoluene	990	U
2,6-dichlorophenol	990	U
2,6-dinitrotoluene	990	U
2-acetylaminofluorene	990	U
2-chloronaphthalene	990	U
2-chlorophenol	990	U
2-methyl-4,6-dinitrophenol	5100	U
2-methylnaphthalene	990	U
2-naphthylamine	990	U
2-nitroaniline	5100	U
2-nitrophenol	990	U
2-picoline	990	U
3 & 4-methylphenol	990	U
3,3'-dichlorobenzidine	2000	U
3,3'-dimethylbenzidine	5100	U
3-methylcholanthrene	990	U
3-nitroaniline	5100	U
4-aminobiphenyl	990	U
4-bromophenyl phenyl ether	990	U
4-chloro-3-methylphenol	990	U
4-chloroaniline	2000	U
4-chlorophenyl phenyl ether	990	U
4-nitroaniline	5100	U
4-nitrophenol	5100	U
4-nitroquinoline-1-oxide	9900	U
5-nitro-o-toluidine	990	U
7,12-dimethylbenz(a)anthracene	990	U
a,a-dimethylphenethylamine	5100	U
Acenaphthene	990	U
Acenaphthylene	990	U
Acetophenone	990	U
Aniline	990	U
Anthracene	990	U
Aramite	990	U
Benzo(a)anthracene	990	U
Benzo(a)pyrene	990	U
Benzo(b)fluoranthene	990	U
Benzo(g,h,i)perylene	990	U

PARAMETER	RESULT	QUAL
Benzo(k)fluoranthene	990	U
Benzyl alcohol	990	U
Bis(2-chloroethoxy)methane	990	U
Bis(2-chloroethyl)ether	990	U
Bis(2-ethylhexyl)phthalate	990	U
Butyl benzyl phthalate	990	U
Chrysene	990	U
Di-n-butyl phthalate	990	U
Di-n-octyl phthalate	990	U
Diallate	990	U
Dibenzo(a,h)anthracene	990	U
Dibenzofuran	990	U
Diethyl phthalate	990	U
Dimethyl phthalate	990	U
Ethyl methanesulfonate	990	U
Fluoranthene	990	U
Fluorene	990	U
Hexachlorobenzene	990	U
Hexachlorobutadiene	990	U
Hexachlorocyclopentadiene	990	U
Hexachloroethane	990	U
Hexachloropropene	990	U
Indeno(1,2,3-cd)pyrene	990	U
Isophorone	990	U
Isosafrole	990	U
Methapyrilene	9900	U
Methyl methanesulfonate	990	U
Methylphenol	990	U
N-nitroso-di-n-butylamine	990	U
N-nitroso-di-n-propylamine	990	U
N-nitrosodiethylamine	990	U
N-nitrosodimethylamine	990	U
N-nitrosodiphenylamine	990	U
N-nitrosomethylethylamine	990	U
N-nitrosomorpholine	990	U
N-nitrosopiperidine	990	U
N-nitrosopyrrolidine	990	U
Naphthalene	990	U
Nitrobenzene	990	U
o,o,o-triethylphosphorothioate	990	U
o-toluidine	990	U
p-dimethylaminoazobenzene	990	U
p-phenylenediamine	5100	U
Pentachlorobenzene	990	U
Pentachloronitrobenzene	990	U
Pentachlorophenol	5100	U
Phenacetin	990	U
Phenanthrene	990	U
Phenol	990	U
Pronamide	990	U

PARAMETER	RESULT	QUAL
Pyrene	990	U
Pyridine	990	U
Safrole	990	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
Bis(2-chloroisopropyl)ether	990	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	1.1	J
4,4'-DDE	2.4	J
4,4'-DDT	5	
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	33	J
delta-BHC	1.7	U
Dieldrin	0.46	J
Dinoseb	990	U
Endosulfan I	0.9	J
Endosulfan II	0.64	J
Endosulfan sulfate	5.1	
Endrin	3.3	U
Endrin aldehyde	7.4	J
gamma-BHC (lindane)	0.11	J
Heptachlor	0.68	J
Heptachlor epoxide	0.36	J
Isodrin	0.57	J
Kepone	990	U
Methoxychlor	17	U
Toxaphene	170	U
S5F-15 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	8.6	U
Antimony	2.4	U
Arsenic	0.87	U
Barium	2.8	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	2.6	U
Iron	46	
Lead	3.2	
Manganese	0.64	U

PARAMETER	RESULT	QUAL
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	67.8	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
2,3,4,6-tetrachlorophenol	6400	U
2,4,5-trichlorophenol	1200	U
2,4,6-trichlorophenol	1200	U
2,4-dichlorophenol	1200	U
2,4-dimethylphenol	1200	U
2,4-dinitrophenol	6400	U
2,6-dichlorophenol	1200	U
2-chlorophenol	1200	U
2-nitrophenol	1200	U
4-nitrophenol	6400	U
Pentachlorophenol	6400	U
Phenol	1200	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	2.1	J
4,4'-DDT	3.5	
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	45	
delta-BHC	1.7	U
Dieldrin	0.62	J
Endosulfan I	0.71	J
Endosulfan II	3.3	U
Endosulfan sulfate	0.56	J
Endrin	0.46	J
Endrin aldehyde	2.9	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	0.46	J
Methoxychlor	17	U
Toxaphene	170	U

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PARAMETER	RESULT	QUAL
S5F-16 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	14.7	U
Antimony	2.4	U
Arsenic	1.3	U
Barium	3.3	
Beryllium	0.04	U
Cadmium	0.59	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	2.9	U
Iron	48.3	
Lead	3.3	
Manganese	1.2	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	66.5	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
2,3,4,6-tetrachlorophenol	4800	U
2,4,5-trichlorophenol	940	U
2,4,6-trichlorophenol	940	U
2,4-dichlorophenol	940	U
2,4-dimethylphenol	940	U
2,4-dinitrophenol	4800	U
2,6-dichlorophenol	940	U
2-chlorophenol	940	U
2-nitrophenol	940	U
4-nitrophenol	4800	U
Pentachlorophenol	4800	U
Phenol	940	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.67	J
4,4'-DDE	2.6	J
4,4'-DDT	4.7	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	45	J
delta-BHC	1.7	U
Dieldrin	0.48	J
Endosulfan I	0.72	J
Endosulfan II	0.58	J
Endosulfan sulfate	2.5	J
Endrin	0.63	J
Endrin aldehyde	8	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.23	J
Heptachlor epoxide	0.47	J
Isodrin	1.1	J
Methoxychlor	17	U
Toxaphene	170	U
S5F-17 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	12.6	U
Antimony	2.4	U
Arsenic	0.69	U
Barium	3.1	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	1.1	U
Iron	25.9	U
Lead	3.2	
Manganese	0.79	U
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	47.1	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
2,3,4,6-tetrachlorophenol	6400	U
2,4,5-trichlorophenol	1200	U
2,4,6-trichlorophenol	1200	U
2,4-dichlorophenol	1200	U
2,4-dimethylphenol	1200	U
2,4-dinitrophenol	6400	U
2,6-dichlorophenol	1200	U
2-chlorophenol	1200	U
2-nitrophenol	1200	U
4-nitrophenol	6400	U
Pentachlorophenol	6400	U
Phenol	1200	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	1.3	J
4,4'-DDE	3	J
4,4'-DDT	5.9	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	40	J
delta-BHC	1.7	U
Dieldrin	0.87	J
Endosulfan I	0.5	J
Endosulfan II	1.7	J
Endosulfan sulfate	4.8	J
Endrin	0.96	J
Endrin aldehyde	7.6	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.79	J
Heptachlor epoxide	1.7	U
Isodrin	0.65	J
Methoxychlor	17	U
Toxaphene	170	U
S5F-18 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	11.4	U
Antimony	2.4	U
Arsenic	0.9	U
Barium	2.9	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	2	U
Iron	36.2	
Lead	3.2	
Manganese	0.91	U
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	49.9	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	1200	U
1,2,4-trichlorobenzene	1200	U
1,2-dichlorobenzene	1200	U
1,3,5-trinitrobenzene	1200	U
1,3-dichlorobenzene	1200	U
1,3-dinitrobenzene	1200	U
1,4-dichlorobenzene	1200	U
1,4-dioxane	1200	U
1,4-naphthoquinone	1200	U
1-naphthylamine	1200	U
2,3,4,6-tetrachlorophenol	6400	U
2,4,5-trichlorophenol	1200	U
2,4,6-trichlorophenol	1200	U
2,4-dichlorophenol	1200	U
2,4-dimethylphenol	1200	U
2,4-dinitrophenol	6400	U
2,4-dinitrotoluene	1200	U
2,6-dichlorophenol	1200	U
2,6-dinitrotoluene	1200	U
2-acetylaminofluorene	1200	U
2-chloronaphthalene	1200	U
2-chlorophenol	1200	U
2-methyl-4,6-dinitrophenol	6400	U
2-methylnaphthalene	1200	U
2-naphthylamine	1200	U
2-nitroaniline	6400	U
2-nitrophenol	1200	U
2-picoline	1200	U
3 & 4-methylphenol	1200	U
3,3'-dichlorobenzidine	2500	U
3,3'-dimethylbenzidine	6400	U
3-methylcholanthrene	1200	U
3-nitroaniline	6400	U
4-aminobiphenyl	1200	U
4-bromophenyl phenyl ether	1200	U
4-chloro-3-methylphenol	1200	U
4-chloroaniline	2500	U
4-chlorophenyl phenyl ether	1200	U
4-nitroaniline	6400	U
4-nitrophenol	6400	U
4-nitroquinoline-1-oxide	12000	U
5-nitro-o-toluidine	1200	U
7,12-dimethylbenz(a)anthracene	1200	U
a,a-dimethylphenethylamine	6400	U
Acenaphthene	1200	U
Acenaphthylene	1200	U
Acetophenone	1200	U
Aniline	1200	U
Anthracene	1200	U
Aramite	1200	U
Benzo(a)anthracene	1200	U
Benzo(a)pyrene	1200	U

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PARAMETER	RESULT	QUAL
Benzo(b)fluoranthene	1200	U
Benzo(g,h,i)perylene	1200	U
Benzo(k)fluoranthene	1200	U
Benzyl alcohol	1200	U
Bis(2-chloroethoxy)methane	1200	U
Bis(2-chloroethyl)ether	1200	U
Bis(2-ethylhexyl)phthalate	1200	U
Butyl benzyl phthalate	1200	U
Chrysene	1200	U
Di-n-butyl phthalate	1200	U
Di-n-octyl phthalate	1200	U
Diallate	1200	U
Dibenzo(a,h)anthracene	1200	U
Dibenzofuran	1200	U
Diethyl phthalate	1200	U
Dimethyl phthalate	1200	U
Ethyl methanesulfonate	1200	U
Fluoranthene	1200	U
Fluorene	1200	U
Hexachlorobenzene	1200	U
Hexachlorobutadiene	1200	U
Hexachlorocyclopentadiene	1200	U
Hexachloroethane	1200	U
Hexachloropropene	1200	U
Indeno(1,2,3-cd)pyrene	1200	U
Isophorone	1200	U
Isosafrole	1200	U
Methapyrilene	12000	U
Methyl methanesulfonate	1200	U
Methylphenol	1200	U
N-nitroso-di-n-butylamine	1200	U
N-nitroso-di-n-propylamine	1200	U
N-nitrosodiethylamine	1200	U
N-nitrosodimethylamine	1200	U
N-nitrosodiphenylamine	1200	U
N-nitrosomethylethylamine	1200	U
N-nitrosomorpholine	1200	U
N-nitrosopiperidine	1200	U
N-nitrosopyrrolidine	1200	U
Naphthalene	1200	U
Nitrobenzene	1200	U
o,o,o-triethylphosphorothioate	1200	U
o-toluidine	1200	U
p-dimethylaminoazobenzene	1200	U
p-phenylenediamine	6400	U
Pentachlorobenzene	1200	U
Pentachloronitrobenzene	1200	U
Pentachlorophenol	6400	U
Phenacetin	1200	U
Phenanthrene	1200	U

PARAMETER	RESULT	QUAL
Phenol	1200	U
Pronamide	1200	U
Pyrene	1200	U
Pyridine	1200	U
Safrole	1200	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
Bis(2-chloroisopropyl)ether	1200	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.56	J
4,4'-DDE	2	J
4,4'-DDT	5.2	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	22	J
delta-BHC	1.7	U
Dieldrin	0.46	J
Dinoseb	1200	U
Endosulfan I	0.87	J
Endosulfan II	0.79	J
Endosulfan sulfate	4.3	J
Endrin	0.83	J
Endrin aldehyde	4.8	J
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	0.31	J
Kepone	1200	U
Methoxychlor	17	U
Toxaphene	170	U
S5F-19 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	15.5	U
Antimony	2.4	U
Arsenic	0.48	U
Barium	2.2	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	2.6	U
Iron	38.4	

PARAMETER	RESULT	QUAL
Lead	2.3	
Manganese	0.49	U
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	48.6	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
2,3,4,6-tetrachlorophenol	5100	U
2,4,5-trichlorophenol	990	U
2,4,6-trichlorophenol	990	U
2,4-dichlorophenol	990	U
2,4-dimethylphenol	990	U
2,4-dinitrophenol	5100	U
2,6-dichlorophenol	990	U
2-chlorophenol	990	U
2-nitrophenol	990	U
4-nitrophenol	5100	U
Pentachlorophenol	5100	U
Phenol	620	J
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.58	J
4,4'-DDE	2.5	J
4,4'-DDT	4.5	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	30	J
delta-BHC	1.7	U
Dieldrin	1.2	J
Endosulfan I	0.79	J
Endosulfan II	0.48	J
Endosulfan sulfate	5.6	J
Endrin	1.1	J
Endrin aldehyde	7.7	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.29	J
Heptachlor epoxide	0.27	J
Isodrin	0.44	J
Methoxychlor	17	U

PARAMETER	RESULT	QUAL
Toxaphene	170	U
S5F-2 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	17.5	U
Antimony	2.4	U
Arsenic	1.2	U
Barium	3.2	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	4.4	U
Iron	57.3	
Lead	3.4	
Manganese	1.2	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	56.1	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.6	J
4,4'-DDE	2.4	J
4,4'-DDT	3.2	J
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	2.1	J
Chlordane	17	U
Chlorobenzilate	38	J
delta-BHC	1.7	U
Dieldrin	0.8	J
Endosulfan I	0.88	J
Endosulfan II	1	J
Endosulfan sulfate	1.7	J
Endrin	3.3	U
Endrin aldehyde	8.6	
gamma-BHC (lindane)	1.7	U
Heptachlor	0.32	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U

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PARAMETER	RESULT	QUAL
Toxaphene	170	U
S5F-20 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	3.2	U
Antimony	2.4	U
Arsenic	0.98	U
Barium	3	
Beryllium	0.04	U
Cadmium	0.57	U
Chromium	0.89	
Cobalt	0.37	U
Copper	1.7	U
Iron	28.3	U
Lead	2.3	
Manganese	0.67	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	52.3	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.86	J
4,4'-DDE	1.5	J
4,4'-DDT	6.4	J
Aldrin	1.7	J
alpha-BHC	2	U
Aroclor-1016	40	U
Aroclor-1221	80	U
Aroclor-1232	40	U
Aroclor-1242	40	U
Aroclor-1248	40	U
Aroclor-1254	40	U
Aroclor-1260	40	U
beta-BHC	2.8	
Chlordane	20	U
Chlorobenzilate	56	
delta-BHC	2	U
Dieldrin	3.2	J
Endosulfan I	1.7	J
Endosulfan II	0.72	J
Endosulfan sulfate	7	J
Endrin	4	U
Endrin aldehyde	7.4	J
gamma-BHC (lindane)	2.8	
Heptachlor	5.9	
Heptachlor epoxide	2	U
Isodrin	1.4	J
Methoxychlor	8.1	J

PARAMETER	RESULT	QUAL
Toxaphene	200	U
S5F-24 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	1.8	U
Antimony	2.4	U
Arsenic	2.7	U
Barium	2	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	1.1	
Cobalt	0.82	U
Copper	2.4	U
Iron	19.7	U
Lead	0.34	U
Manganese	4.1	
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	82.1	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	2.6	J
4,4'-DDE	1.9	J
4,4'-DDT	21	
Aldrin	1.4	J
alpha-BHC	2.6	U
Aroclor-1016	50	U
Aroclor-1221	100	U
Aroclor-1232	50	U
Aroclor-1242	50	U
Aroclor-1248	50	U
Aroclor-1254	50	U
Aroclor-1260	50	U
beta-BHC	4.2	
Chlordane	26	U
Chlorobenzilate	39	J
delta-BHC	2.6	U
Dieldrin	4.2	J
Endosulfan I	0.85	J
Endosulfan II	2.2	J
Endosulfan sulfate	22	
Endrin	5	U
Endrin aldehyde	5.3	J
gamma-BHC (lindane)	1.7	J
Heptachlor	2.9	J
Heptachlor epoxide	2.6	U
Isodrin	1.1	J
Methoxychlor	4.4	J

PARAMETER	RESULT	QUAL
Toxaphene	260	U
S5F-3 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	6.9	U
Antimony	2.4	U
Arsenic	1.1	U
Barium	2.6	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	1.8	U
Iron	30.5	
Lead	1.9	
Manganese	0.68	U
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	36.5	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.7	J
4,4'-DDE	2.1	J
4,4'-DDT	2.6	J
Aldrin	2	U
alpha-BHC	2	U
Aroclor-1016	38	U
Aroclor-1221	77	U
Aroclor-1232	38	U
Aroclor-1242	38	U
Aroclor-1248	38	U
Aroclor-1254	38	U
Aroclor-1260	38	U
beta-BHC	2	U
Chlordane	20	U
Chlorobenzilate	36	J
delta-BHC	0.37	J
Dieldrin	0.95	J
Endosulfan I	0.66	J
Endosulfan II	0.8	J
Endosulfan sulfate	3.8	U
Endrin	3.8	U
Endrin aldehyde	7	J
gamma-BHC (lindane)	2	U
Heptachlor	0.75	J
Heptachlor epoxide	0.24	J
Isodrin	3.8	U
Methoxychlor	20	U

PARAMETER	RESULT	QUAL
Toxaphene	200	U
S5F-7 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	9.3	U
Antimony	2.4	U
Arsenic	0.81	U
Barium	3.5	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	4.1	U
Iron	42.4	
Lead	2.8	
Manganese	1	U
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	66.2	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
2,3,4,6-tetrachlorophenol	8500	U
2,4,5-trichlorophenol	1600	U
2,4,6-trichlorophenol	1600	U
2,4-dichlorophenol	1600	U
2,4-dimethylphenol	1600	U
2,4-dinitrophenol	8500	U
2,6-dichlorophenol	1600	U
2-chlorophenol	1600	U
2-nitrophenol	1600	U
4-nitrophenol	8500	U
Pentachlorophenol	8500	U
Phenol	1600	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.51	J
4,4'-DDE	2.4	J
4,4'-DDT	1.6	J
Aldrin	0.29	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	0.34	J
Chlordane	17	U

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PARAMETER	RESULT	QUAL
Chlorobenzilate	17	U
delta-BHC	0.33	J
Dieldrin	1	J
Endosulfan I	2	
Endosulfan II	0.82	J
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	6.8	J
gamma-BHC (lindane)	0.098	J
Heptachlor	0.61	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
S5F-8 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	27.6	
Antimony	2.4	U
Arsenic	1.3	U
Barium	3.4	
Beryllium	0.04	U
Cadmium	0.53	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	2.3	U
Iron	46.9	
Lead	3.3	
Manganese	1	U
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	63.2	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
1,2,4,5-tetrachlorobenzene	820	U
1,2,4-trichlorobenzene	820	U
1,2-dichlorobenzene	820	U
1,3,5-trinitrobenzene	820	U
1,3-dichlorobenzene	820	U
1,3-dinitrobenzene	820	U
1,4-dichlorobenzene	820	U
1,4-dioxane	820	U
1,4-naphthoquinone	820	U
1-naphthylamine	820	U
2,3,4,6-tetrachlorophenol	4200	U
2,4,5-trichlorophenol	820	U
2,4,6-trichlorophenol	820	U
2,4-dichlorophenol	820	U

PARAMETER	RESULT	QUAL
2,4-dimethylphenol	820	U
2,4-dinitrophenol	4200	U
2,4-dinitrotoluene	820	U
2,6-dichlorophenol	820	U
2,6-dinitrotoluene	820	U
2-acetylaminofluorene	820	U
2-chloronaphthalene	820	U
2-chlorophenol	820	U
2-methyl-4,6-dinitrophenol	4200	U
2-methylnaphthalene	820	U
2-naphthylamine	820	U
2-nitroaniline	4200	U
2-nitrophenol	820	U
2-picoline	820	U
3 & 4-methylphenol	820	U
3,3'-dichlorobenzidine	1600	U
3,3'-dimethylbenzidine	4200	U
3-methylcholanthrene	820	U
3-nitroaniline	4200	U
4-aminobiphenyl	820	U
4-bromophenyl phenyl ether	820	U
4-chloro-3-methylphenol	820	U
4-chloroaniline	1600	U
4-chlorophenyl phenyl ether	820	U
4-nitroaniline	4200	U
4-nitrophenol	4200	U
4-nitroquinoline-1-oxide	8200	U
5-nitro-o-toluidine	820	U
7,12-dimethylbenz(a)anthracene	820	U
a,a-dimethylphenethylamine	4200	U
Acenaphthene	820	U
Acenaphthylene	820	U
Acetophenone	820	U
Aniline	820	U
Anthracene	820	U
Aramite	820	U
Benzo(a)anthracene	820	U
Benzo(a)pyrene	820	U
Benzo(b)fluoranthene	820	U
Benzo(g,h,i)perylene	820	U
Benzo(k)fluoranthene	820	U
Benzyl alcohol	820	U
Bis(2-chloroethoxy)methane	820	U
Bis(2-chloroethyl)ether	820	U
Bis(2-ethylhexyl)phthalate	820	U
Butyl benzyl phthalate	820	U
Chrysene	820	U
Di-n-butyl phthalate	820	U
Di-n-octyl phthalate	820	U
Diallate	820	U

PARAMETER	RESULT	QUAL
Dibenzo(a,h)anthracene	820	U
Dibenzofuran	820	U
Diethyl phthalate	820	U
Dimethyl phthalate	820	U
Ethyl methanesulfonate	820	U
Fluoranthene	820	U
Fluorene	820	U
Hexachlorobenzene	820	U
Hexachlorobutadiene	820	U
Hexachlorocyclopentadiene	820	U
Hexachloroethane	820	U
Hexachloropropene	820	U
Indeno(1,2,3-cd)pyrene	820	U
Isophorone	820	U
Isosafrole	820	U
Methapyrilene	8200	U
Methyl methanesulfonate	820	U
Methylphenol	820	U
N-nitroso-di-n-butylamine	820	U
N-nitroso-di-n-propylamine	820	U
N-nitrosodiethylamine	820	U
N-nitrosodimethylamine	820	U
N-nitrosodiphenylamine	820	U
N-nitrosomethylethylamine	820	U
N-nitrosomorpholine	820	U
N-nitrosopiperidine	820	U
N-nitrosopyrrolidine	820	U
Naphthalene	820	U
Nitrobenzene	820	U
o,o,o-triethylphosphorothioate	820	U
o-toluidine	820	U
p-dimethylaminoazobenzene	820	U
p-phenylenediamine	4200	U
Pentachlorobenzene	820	U
Pentachloronitrobenzene	820	U
Pentachlorophenol	4200	U
Phenacetin	820	U
Phenanthrene	820	U
Phenol	820	U
Pronamide	820	U
Pyrene	820	U
Pyridine	820	U
Safrole	820	U
VOLATILE ORGANIC COMPOUNDS (µg/kg)		
Bis(2-chloroisopropyl)ether	820	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.77	J
4,4'-DDE	2.6	J
4,4'-DDT	3.2	J
Aldrin	0.41	J

PARAMETER	RESULT	QUAL
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	0.098	J
Chlordane	17	U
Chlorobenzilate	42	
delta-BHC	0.16	J
Dieldrin	2.6	J
Dinoseb	820	U
Endosulfan I	2.4	
Endosulfan II	1.3	J
Endosulfan sulfate	6.1	J
Endrin	0.55	J
Endrin aldehyde	7.2	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.73	J
Heptachlor epoxide	0.31	J
Isodrin	3.3	U
Kepone	820	U
Methoxychlor	17	U
Toxaphene	170	U
S5F-9 Fish	**SHEEPSHEAD MINNOW**	
INORGANICS (mg/kg)		
Aluminum	8.3	U
Antimony	2.4	U
Arsenic	1.1	U
Barium	3.4	
Beryllium	0.04	U
Cadmium	0.71	U
Chromium	0.82	U
Cobalt	0.37	U
Copper	1.5	U
Iron	35.8	
Lead	2.5	
Manganese	0.91	U
Mercury	0.01	U
Nickel	0.85	U
Selenium	1	U
Silver	0.23	U
Thallium	0.81	U
Vanadium	0.45	U
Zinc	58.3	
SEMIVOLATILE ORGANIC COMPOUNDS (µg/kg)		
2,3,4,6-tetrachlorophenol	4200	U
2,4,5-trichlorophenol	820	U

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PARAMETER	RESULT	QUAL
2,4,6-trichlorophenol	820	U
2,4-dichlorophenol	820	U
2,4-dimethylphenol	820	U
2,4-dinitrophenol	4200	U
2,6-dichlorophenol	820	U
2-chlorophenol	820	U
2-nitrophenol	820	U
4-nitrophenol	4200	U
Pentachlorophenol	4200	U
Phenol	820	U
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	0.099	J
4,4'-DDE	2	J
4,4'-DDT	3.7	
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.2	J
Chlordane	17	U
Chlorobenzilate	36	
delta-BHC	1.7	U
Dieldrin	2.2	J
Endosulfan I	0.71	J
Endosulfan II	3.3	U
Endosulfan sulfate	0.9	J
Endrin	0.52	J
Endrin aldehyde	6.3	
gamma-BHC (lindane)	0.91	J
Heptachlor	0.54	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
S5V-27 Vegetation	**SEA OXEYE DAISY**	
INORGANICS (mg/kg)		
Aluminum	49.9	
Antimony	1.1	U
Arsenic	0.94	U
Barium	1.5	U
Beryllium	0.01	U
Cadmium	0.42	
Chromium	0.16	U
Cobalt	0.11	U
Copper	1	U

PARAMETER	RESULT	QUAL
Iron	13	U
Lead	0.32	U
Manganese	1.1	U
Mercury	0.01	U
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.19	U
Zinc	4.7	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	0.84	J
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	0.99	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.24	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
S5V-29 Vegetation	**SEA OXEYE DAISY**	
INORGANICS (mg/kg)		
Aluminum	10.8	U
Antimony	1.1	U
Arsenic	0.94	U
Barium	0.69	U
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.16	U
Cobalt	0.11	U
Copper	2.2	

PARAMETER	RESULT	QUAL
Iron	9.4	U
Lead	0.32	U
Manganese	1.1	U
Mercury	0.01	
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.19	U
Zinc	13	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
S5V-26 Vegetation	**SEASHORE DROPSEED**	
INORGANICS (mg/kg)		
Aluminum	15.8	U
Antimony	1.1	U
Arsenic	1.1	
Barium	4.3	
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.19	U
Cobalt	0.11	U
Copper	1.8	U

PARAMETER	RESULT	QUAL
Iron	22.9	U
Lead	0.45	
Manganese	1.9	U
Mercury	0.02	
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.19	U
Zinc	57.6	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	0.19	J
gamma-BHC (lindane)	0.99	J
Heptachlor	1.7	U
Heptachlor epoxide	0.9	J
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U
S5V-28 Vegetation	**SEASHORE DROPSEED**	
INORGANICS (mg/kg)		
Aluminum	22.3	U
Antimony	1.1	U
Arsenic	1	
Barium	11.8	
Beryllium	0.01	U
Cadmium	1.6	
Chromium	0.21	U
Cobalt	0.11	U
Copper	1.5	U

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PARAMETER	RESULT	QUAL
Iron	34.4	U
Lead	1.1	
Manganese	1.8	U
Mercury	0.01	
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.3	U
Zinc	31.1	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	9.2	J
delta-BHC	0.78	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	0.23	J
gamma-BHC (lindane)	0.75	J
Heptachlor	0.32	J
Heptachlor epoxide	0.71	J
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U

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S7V-1 Vegetation	SEA OXEYE DAISY	
INORGANICS (mg/kg)		
Aluminum	11.5	U
Antimony	1.1	U
Arsenic	0.94	U
Barium	0.44	U
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.16	U
Cobalt	0.11	U

PARAMETER	RESULT	QUAL
Copper	3.1	
Iron	6.9	U
Lead	0.32	U
Manganese	1.3	U
Mercury	0.01	
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.19	U
Zinc	3.1	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	0.51	J
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	0.78	J
gamma-BHC (lindane)	1.7	U
Heptachlor	0.59	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U

S7V-3 Vegetation	SEA OXEYE DAISY	
INORGANICS (mg/kg)		
Aluminum	11.5	U
Antimony	1.1	U
Arsenic	0.94	U
Barium	0.48	U
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.16	U
Cobalt	0.11	U

PARAMETER	RESULT	QUAL
Copper	1.8	U
Iron	6.4	U
Lead	0.32	U
Manganese	0.99	U
Mercury	0.01	
Nickel	0.29	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.19	U
Zinc	3.8	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	32	J
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	0.06	J
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	0.3	J
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U

S7V-2 Vegetation	SEASHORE DROPSEED	
INORGANICS (mg/kg)		
Aluminum	13.1	U
Antimony	1.1	U
Arsenic	1.2	
Barium	4.9	
Beryllium	0.01	U
Cadmium	0.08	U
Chromium	0.16	U
Cobalt	0.11	U

PARAMETER	RESULT	QUAL
Copper	1.7	U
Iron	27.9	U
Lead	0.44	
Manganese	18.9	
Mercury	0.19	
Nickel	0.71	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.19	U
Zinc	33.2	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	0.56	J
4,4'-DDT	3.3	U
Aldrin	0.3	J
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	33	U
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	J
Dieldrin	3.3	U
Endosulfan I	0.37	J
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	1.7	J
gamma-BHC (lindane)	0.97	J
Heptachlor	1.7	U
Heptachlor epoxide	1.6	J
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U

S7V-4 Vegetation	SEASHORE DROPSEED	
INORGANICS (mg/kg)		
Aluminum	10.8	U
Antimony	1.1	U
Arsenic	0.94	U
Barium	5.9	
Beryllium	0.01	U
Cadmium	0.2	
Chromium	0.16	U
Cobalt	0.11	U

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PARAMETER	RESULT	QUAL
Copper	2.1	U
Iron	19.6	U
Lead	0.52	
Manganese	2.7	
Mercury	0.04	
Nickel	0.69	U
Selenium	1	U
Silver	0.16	U
Thallium	0.92	U
Vanadium	0.19	U
Zinc	50.9	
PESTICIDES/PCBs (µg/kg)		
4,4'-DDD	3.3	U
4,4'-DDE	3.3	U
4,4'-DDT	3.3	U
Aldrin	1.7	U
alpha-BHC	1.7	U
Aroclor-1016	33	U
Aroclor-1221	67	U
Aroclor-1232	33	U
Aroclor-1242	33	U
Aroclor-1248	33	U
Aroclor-1254	33	U
Aroclor-1260	420	
beta-BHC	1.7	U
Chlordane	17	U
Chlorobenzilate	17	U
delta-BHC	1.7	U
Dieldrin	3.3	U
Endosulfan I	1.7	U
Endosulfan II	3.3	U
Endosulfan sulfate	3.3	U
Endrin	3.3	U
Endrin aldehyde	3.3	U
gamma-BHC (lindane)	1.7	U
Heptachlor	1.7	U
Heptachlor epoxide	1.7	U
Isodrin	3.3	U
Methoxychlor	17	U
Toxaphene	170	U

PARAMETER	RESULT	QUAL

PARAMETER	RESULT	QUAL

PARAMETER	RESULT	QUAL